



**Hillsborough
County Florida**

PUBLIC UTILITIES
PO Box 1110
Tampa, FL 33601-1110

**Sydney Mine Waste Disposal Site
EPA ID: FLD000648055
Dover, Florida**

Water Quality Monitoring Report July 2024

**Hillsborough County
Public Utilities Department
Environmental Services Division
332 North Falkenburg Road
Tampa, Florida 33619**

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Background

The Hillsborough County Public Utilities Department (County) has prepared the July 2024 semi-annual water quality data report for the Sydney Mine Waste Disposal Site (Sydney Mine) located in Dover, Florida. Water quality monitoring activities were conducted in accordance with the 2004 Settlement Agreement between the Environmental Protection Agency (EPA), Hillsborough County, and the 106 Order Group.

As part of the executed Fifth Five-Year Review, the EPA required 1,4-dioxane analysis be added to the groundwater monitoring plan based upon the former uses of the property as a waste oil and sludge disposal facility. According to sources, 1,4-Dioxane is used in; but not limited to, polyalkylene glycol lubricants, synthetic metalworking fluids, cutting and tapping fluids, hydraulic fluids, and waste oils.

Representative groundwater samples were collected between July 8 through July 11, 2024 from thirty-one (31) monitoring wells from the Bone Valley Member, Spoil Row, Oil Pond, North Dike areas, and the deeper Hawthorn Formation for volatile organic constituents (VOCs) by EPA Method 8260B. Monitoring well BV-24 is a monitoring location furthest downgradient from the source area. Groundwater sampling of this well was unable to be conducted due to continued access issues. Due to mine mitigation efforts, the location of BV-24 is in a low area of the site and surface water accumulates in this area, making it difficult for the County to set up sample collection equipment. The County is addressing the issue of access and will have representative samples from this location.

All groundwater samples for VOCs by EPA Method 8260 were analyzed by the County's contracted laboratory, Advanced Environmental Laboratories, Inc. (AEL). Pace Analytical (Pace) analyzed 1,4-dioxane for each of the groundwater monitoring wells by the drinking water method EPA 522. A site map with the monitoring well locations is attached as **Figure 1**.

Based on conversations with EPA and the Florida Department of Environmental Protection (Department) since 2021, the County has proposed additional groundwater assessment activities at the Sydney Mine Superfund Site. On July 26, 2024, the County provided the proposed delineation plan for approval to both EPA and the Department for the vertical and horizontal extent of the 1,4-dioxane contamination. The plan was approved by EPA and the Department to implement these assessment activities.

Bone Valley Groundwater Elevation and Flow Direction

Groundwater elevation data depicted in **Table 1** and a contour diagram in **Figure 2** provides the general direction of groundwater flow across the site. Static groundwater elevations were recorded from the network of active groundwater monitoring wells on July 8, 2024 and general

FIGURE 1

SYDNEY MINE
SUPERFUND SITE
MONITORING WELLS



Hillsborough
County Florida

Legend

EXISTING GROUND WATER
MONITORING WELLS



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0 150 300
Feet

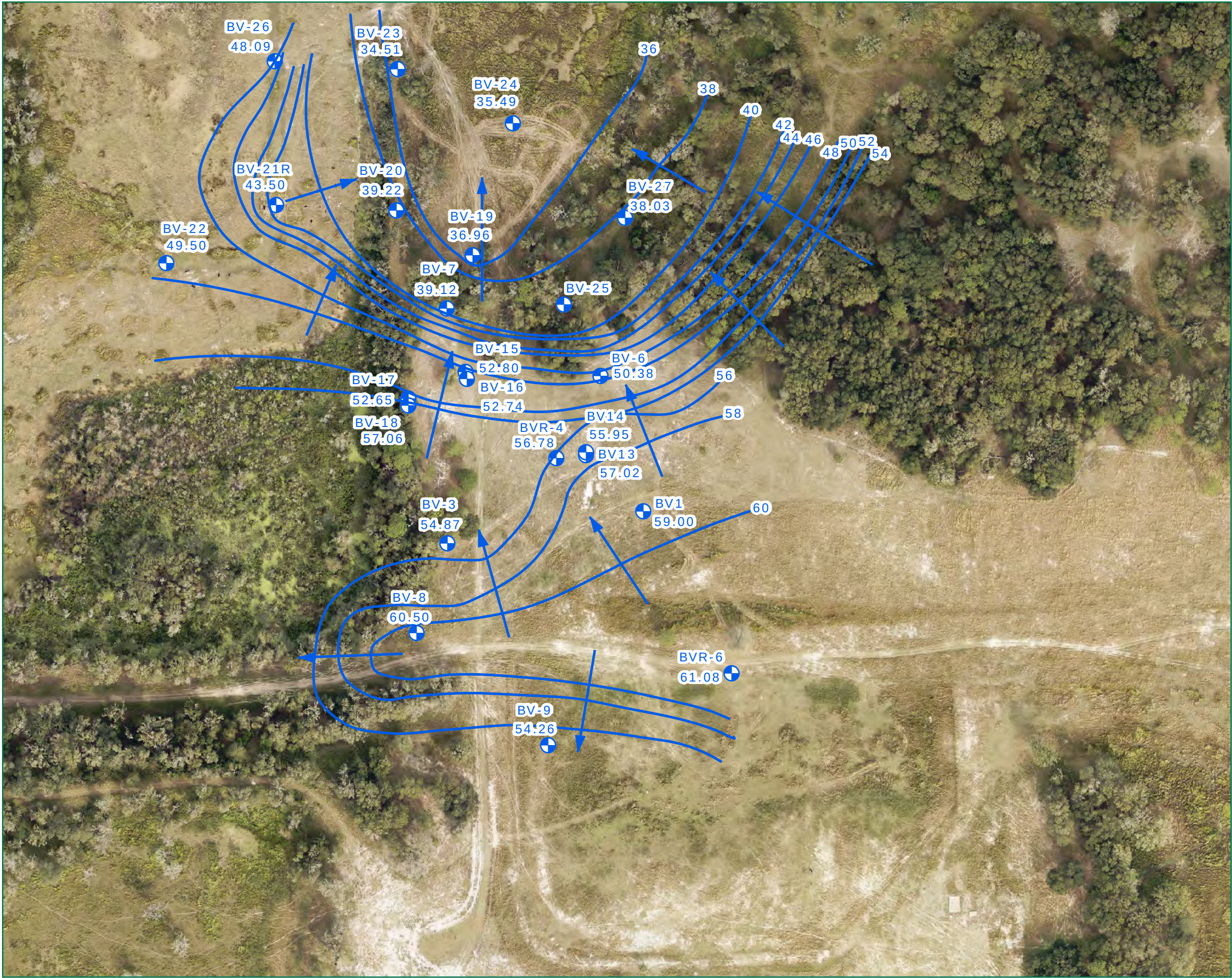


FIGURE 2

SYDNEY MINE GROUNDWATER
ELEVATION CONTOUR DIAGRAM
JANUARY 2024

TOWNSHIP RANGE SECTION
29-21-27



Hillsborough
County Florida

Legend

EXISTING BONE VALLEY GROUND WATER MONITORING WELLS

2024 Aerials
RGB
 Red: Band # 0
 Green: Band # 1
 Blue: Band # 2



0 162.5 325
Feet

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Table 1 - Sydney Mine Superfund Site
Groundwater Elevations
07/08/24

Measuring Point I.D.	T.O.C. Elevations (NGVD)	W.L. B.T.O.C.	W.L. (NGVD)
BV-1	84.91	25.91	59.00
BV-3	77.04	22.17	54.87
BV-6	77.13	26.75	50.38
BV-7	72.70	33.58	39.12
BV-8	80.78	20.28	60.50
BV-9	91.55	37.29	54.26
BV-13	82.30	25.28	57.02
BV-14	81.95	26.00	55.95
BV-15	74.36	21.56	52.80
BV-16	74.47	21.73	52.74
BV-17	78.36	25.71	52.65
BV-18	78.99	21.93	57.06
BV-19	68.98	32.02	36.96
BV-20	74.02	34.80	39.22
BV-21R	69.42	25.92	43.50
BV-22	71.25	21.75	49.50
BV-23	72.56	38.05	34.51
BV-24	63.31	27.82	35.49
BV-26	69.46	21.37	48.09
BV-27	69.77	31.74	38.03
BVR-4	77.77	20.99	56.78
BVR-6	90.69	29.61	61.08

NGVD = National Geodetic Vertical Datum

T.O.C. = Top of Casing

B.T.O.C. = Below Top of Casing

W.L. = Water Level

direction of flow in the Bone Valley continues to the north/northwest from the source area and correlates with the iso-concentration maps of the contaminant plume.

Bone Valley Monitoring Well Results

Representative groundwater samples were collected from twenty-one (21) wells monitoring the Bone Valley Member of the Peace River Formation. Bone Valley monitoring well BV-24 could not be sampled due to the ongoing issue of standing water. The County shall again contact the property owner to determine the best solution to regrade the area around BV-24 so representative samples can be collected. Water quality observations from the Bone Valley are outlined in **Table 2** and the July 2024 laboratory reports from AEL are attached as **Appendix A**. A summary of the analytical results is provided in the following paragraphs.

pH

The pH recorded in the field from sixteen (16) of the twenty-one (21) Bone Valley monitoring wells continues to be outside the Florida Secondary Drinking Water Standard (SDWS) range of 6.5 to 8.5 pH units except for monitoring wells BVR-6, BV-8, BV-14, BV-16, BV-19, BV-22, BV-23, and BV-27. Results from these remaining Bone Valley wells were between 5.37 to 6.33 pH units and are consistent with historical data at the Site.

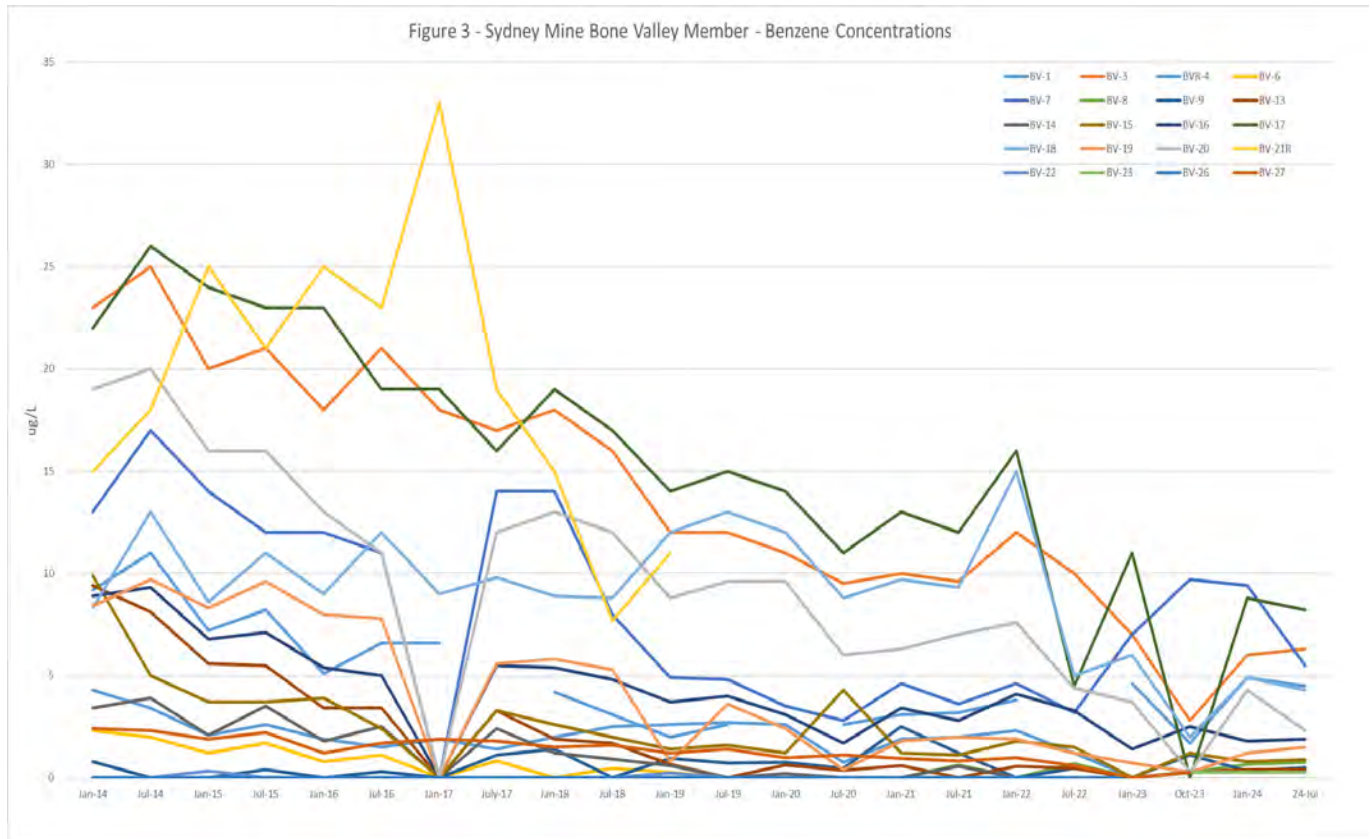
Volatile Organic Constituents (VOCs)

Laboratory analytical results continue to exhibit volatile organic constituents (VOCs) above applicable standards in the Bone Valley monitoring wells and the following paragraphs detail the findings.

Benzene

Bone Valley monitoring wells BV-3, BVR-4, BVR-6, BV-7, BV-16, BV-17, BV-18, BV-19, BV-20, and BV-21R exceeded the Primary Drinking Water Standard (PDWS) for benzene of 1 microgram per liter (ug/l) from 1.5 to 17 ug/l. Bone Valley monitoring well BV-21R, has exhibited a downward trend in benzene over the last three (3) years and a defined delineation zone for benzene extends from north of wells BV-20 and BV-21R and south of wells BV-23 and BV-26.

The data generated for the Bone Valley monitoring wells depicts the gradual reduction and the ongoing attenuation in groundwater for benzene. Statistics of the groundwater data within the most impacted area of the Bone Valley identify an average reduction of greater than 75%, including several wells no longer with any detectable benzene. **Figure 3** incorporates the Bone Valley wells exceeding the PDWS. **Figure 4** illustrates the iso-concentration values across the Site.



Vinyl Chloride

Vinyl chloride was below the PDWS of 1 microgram per liter (ug/l) in each Bone Valley monitoring well and supports the position that natural attenuation processes continue as depicted in **Figure 5 and Figure 6**. The County shall continue to monitor the vinyl chloride to see if the trend continues.



FIGURE 4

Sydney Mine
Superfund Site

July 2024

Bone Valley ISO
Concentration Map



Hillsborough
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Legend



Existing Bone Valley
Ground Water Monitoring Wells

Benzene

(1 ug/L)

Benzene

(10 ug/L)



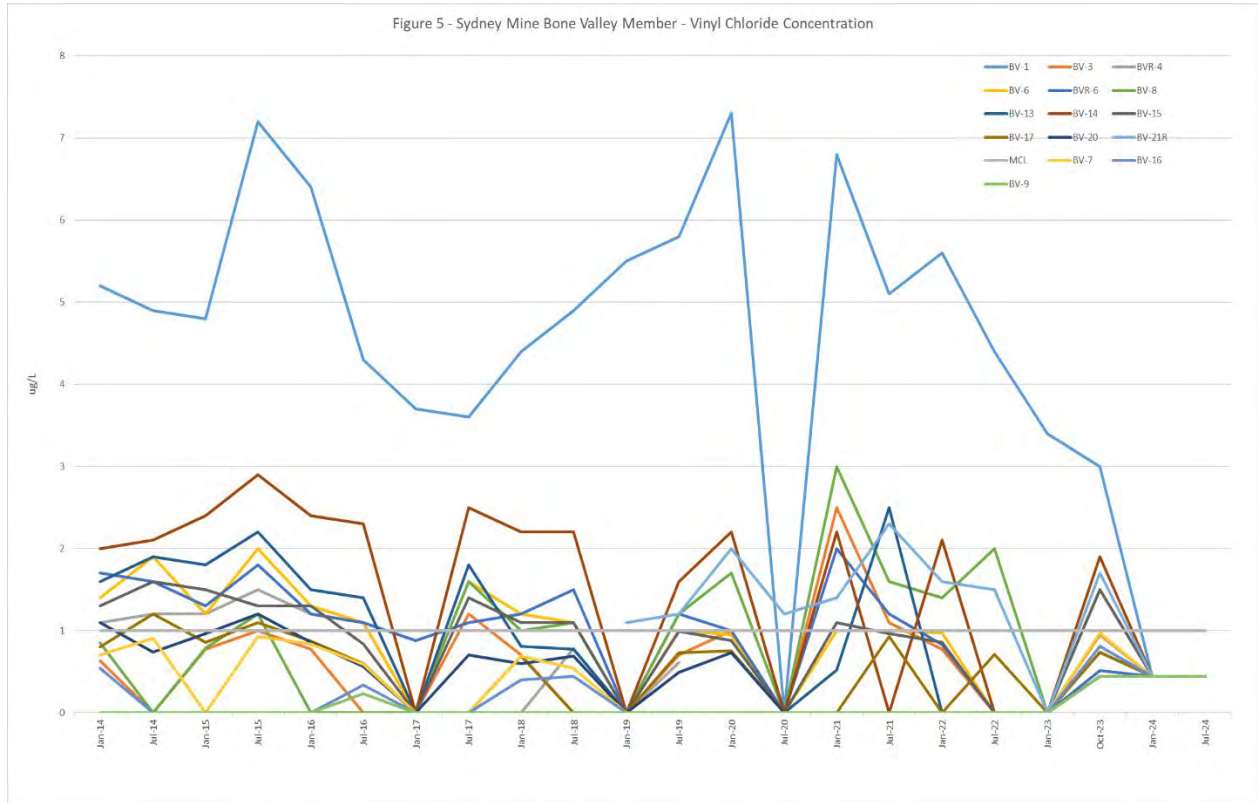
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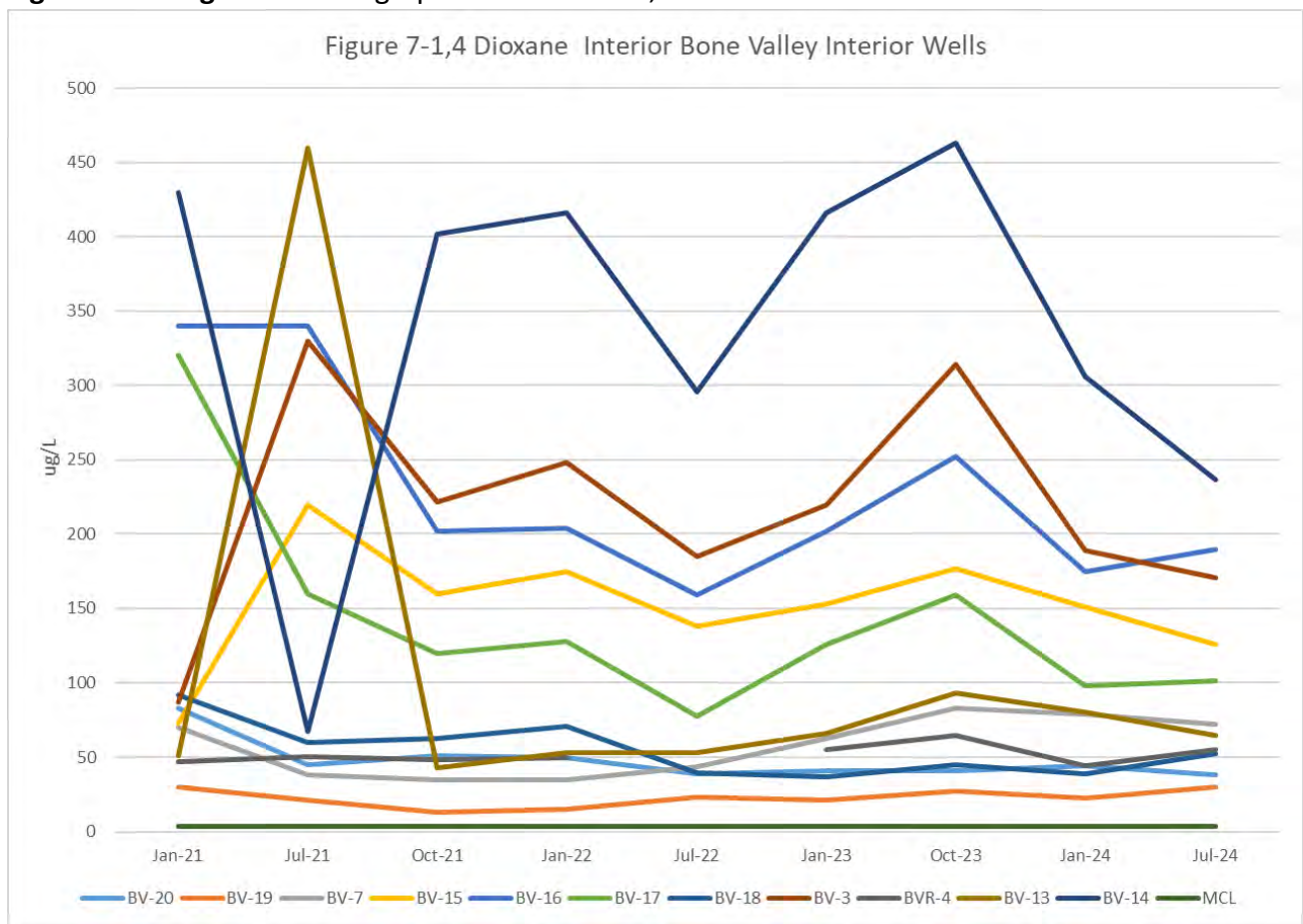
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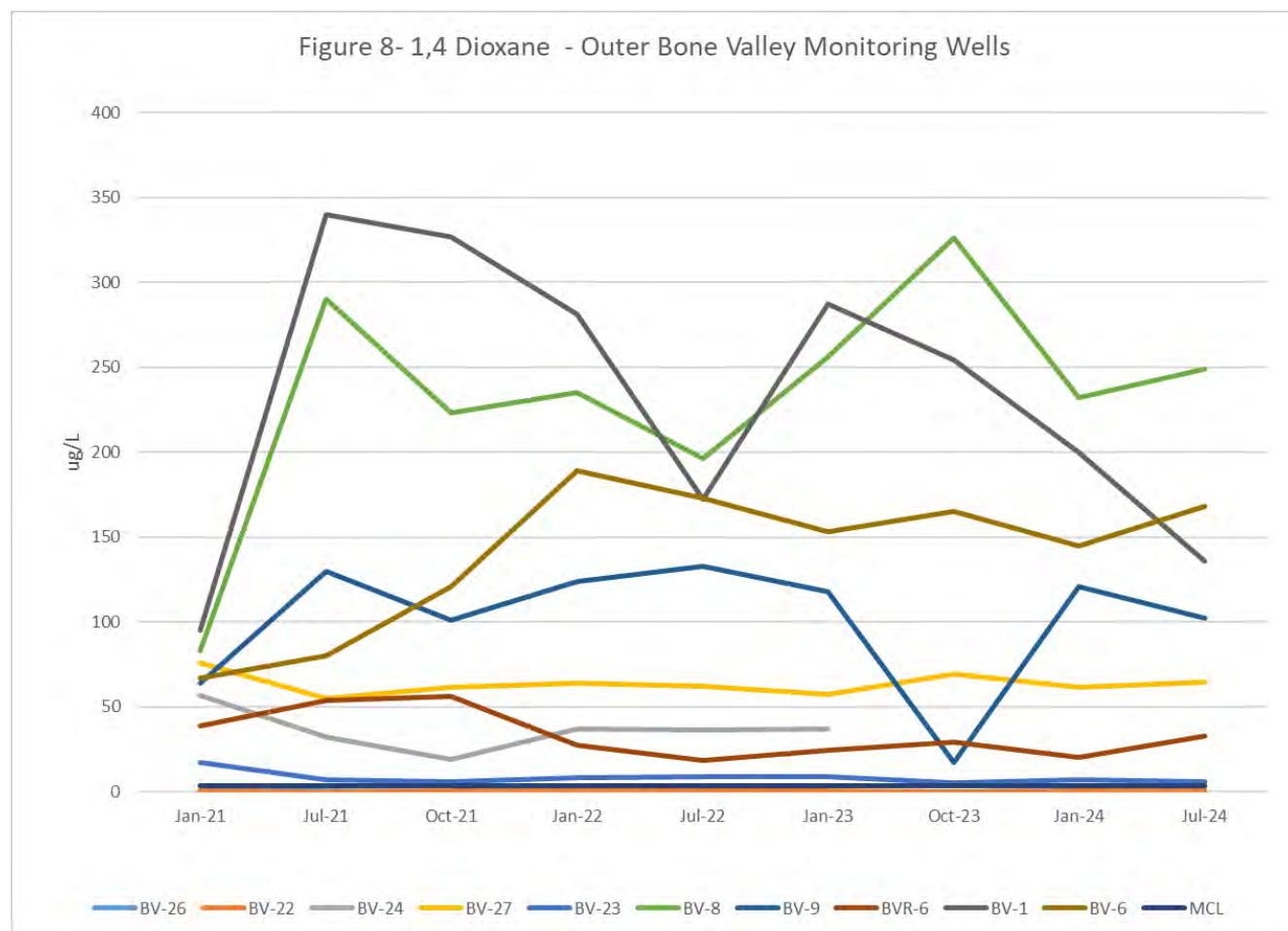
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1-4 Dioxane

Each Bone Valley monitoring well except for BV-22 and BV-26 exceeded the State of Florida Groundwater Cleanup Target Level (GCTL) of 3.2 ug/l, ranging from 5.8 to 249 ug/l. A further review of 1,4-dioxane concludes the highest concentrations continue to be in a general area around BV-1, BV-3, BV-6, BV-8, BV-9, BV-14, BV-15, BV-16, BV-17, and BV-21R. Each of these wells are screened from approximately 41 to 83 feet below land surface. With a specific gravity of 1.033gm/cm³ and high mobility characteristics, it is likely the 1,4-dioxane continues to migrate vertically and horizontally along the lower portions of the Bone Valley. **Table 2** details the 1,4-dioxane water quality results across the Bone Valley monitoring wells. Shown below is **Figure 7** and **Figure 8** which graph the trends of 1,4-Dioxane.





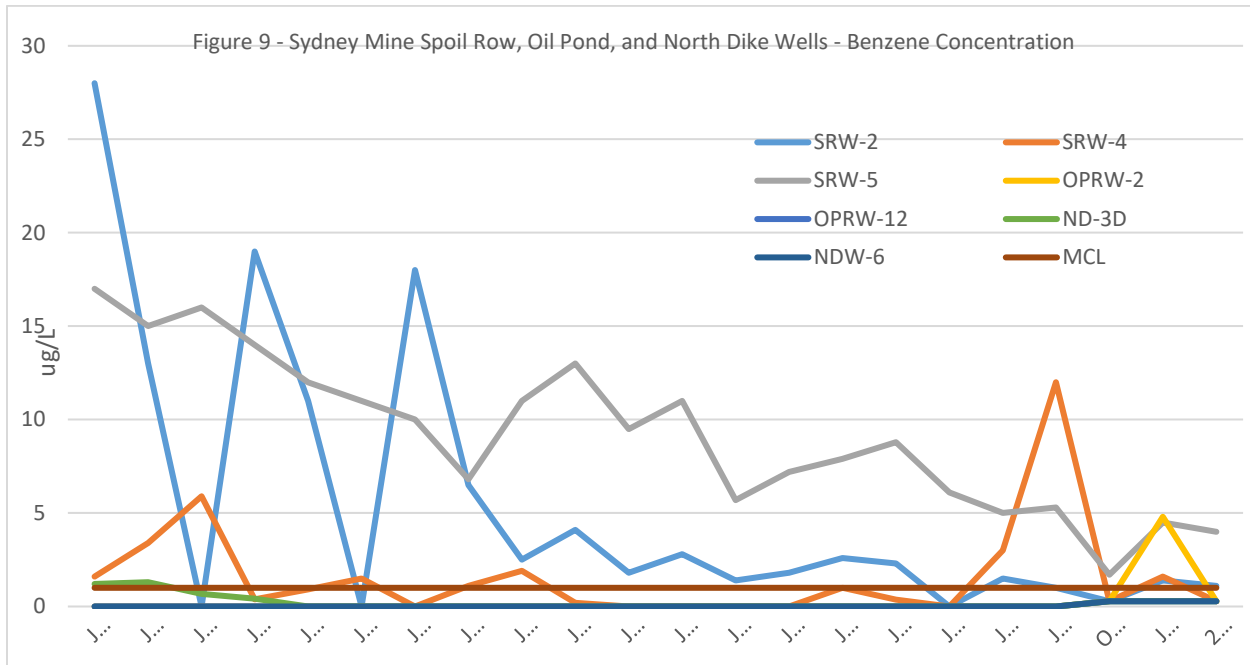
Spoil Row, Oil Pond, and North Dike Monitoring Well Results

The County collected representative groundwater samples from the seven (7) wells monitoring the Spoil Row, Oil Pond, and North Dike areas. **Table 3** details water quality observations for the July 2024 monitoring event and the laboratory report from AEL is attached as **Appendix A**. A brief summary of the analytical results is provided in the following paragraphs.

Benzene

Benzene was detected above the PDWS of 1 ug/l in two (2) of the three (3) Spoil Row wells identified as SRW-2, SRW-4, and SRW-5. The benzene concentrations for monitoring wells SRW-2 and SRW-5 were 1.1 and 4 ug/l. Both Oil Pond Recovery Wells, identified as OPRW-2 and OPRW-12, located in the source area, exhibited benzene concentrations below the PDWS. Additionally, each of the two North Dike monitoring wells did not exhibit any detectable benzene. Overall water quality results continue to represent a greater than 90% reduction in benzene over the period of review.

Figure 9 illustrates a more in-depth review of benzene in the source area including Spoil Row wells SRW-2, SRW-4 and SRW-5, North Dike wells ND-3D and NDW-6, and Oil Pond wells ORPW-2 and ORPW-12. **Figure 10** illustrates the iso-concentration values across the Site within these wells.



Vinyl Chloride

Vinyl chloride was not detected in any of the Spoil Row, Oil Pond, or North Dike groundwater monitoring wells and supports the position natural attenuation continues over the period of review.

Isopropylbenzene

Isopropylbenzene (IPB) was not detected during this sampling event in any of the Spoil Row monitoring wells. IPB has previously been detected over the period of review and the recent sampling indicates the natural attenuation is continuing.

1-4 Dioxane

Spoil Row monitoring wells SRW-2, SRW-4, and SRW-5 continue to be above the 1,4-dioxane Groundwater Cleanup Target Level (GCTL) of 3.2 ug/l with results of 130, 7.2, and 73.9 ug/l, respectively. None of the Oil Pond Recovery Well or North Dike monitoring wells exhibited a concentration above the GCTL. Over the limited period of review, the 1,4 dioxane has not exceeded the GCTL or been detected above the detection limit for OPRW-12 or NDW-6. **Figure**

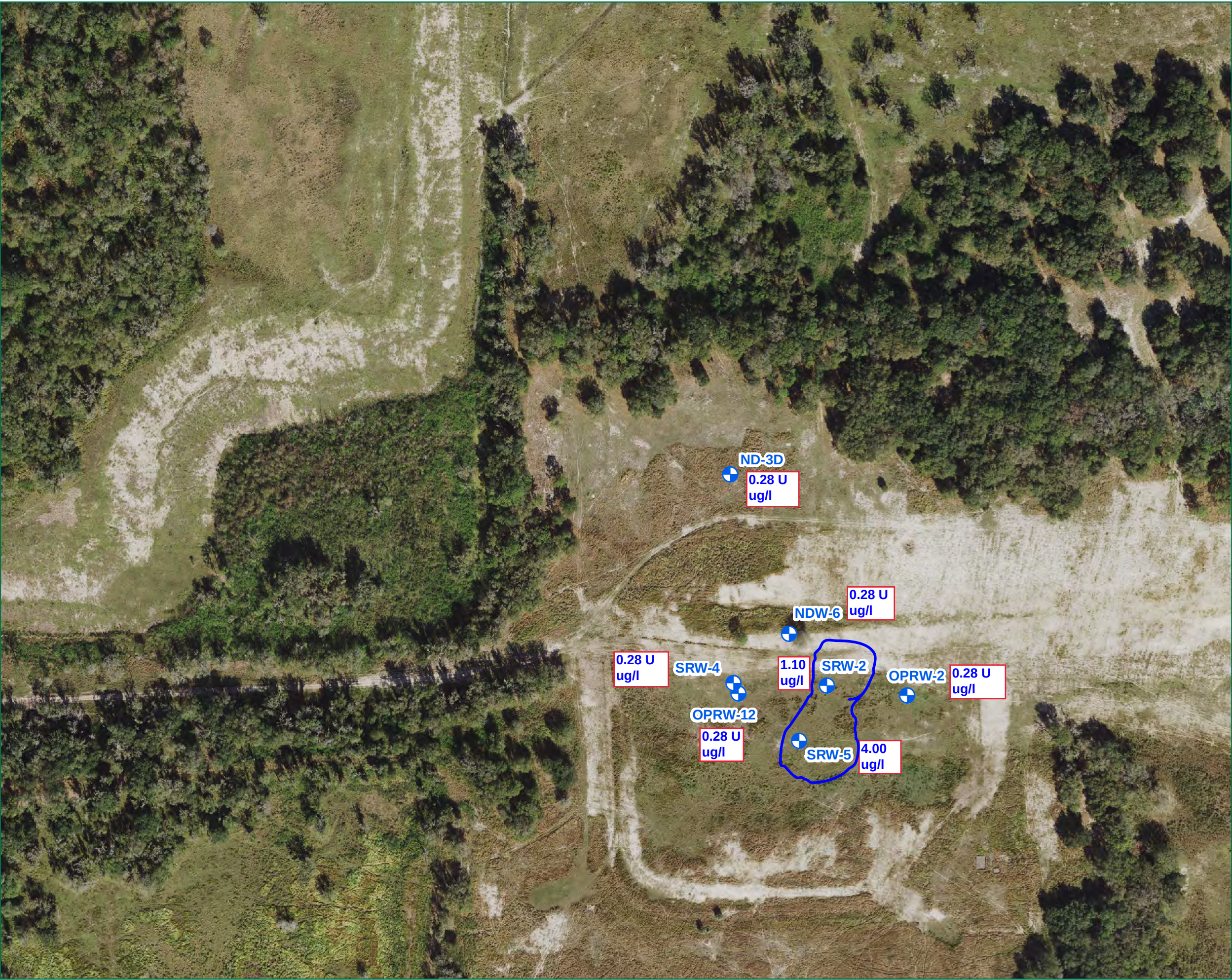
Figure 10 Sydney Mine Superfund Site Iso-concentration for Benzene in Spoil Row, Oil Pond, and North Dike Monitoring Wells



Legend

EXISTING GROUND WATER MONITORING WELLS

Exceeds Groundwater Clean up Level (1.0 ug/l)



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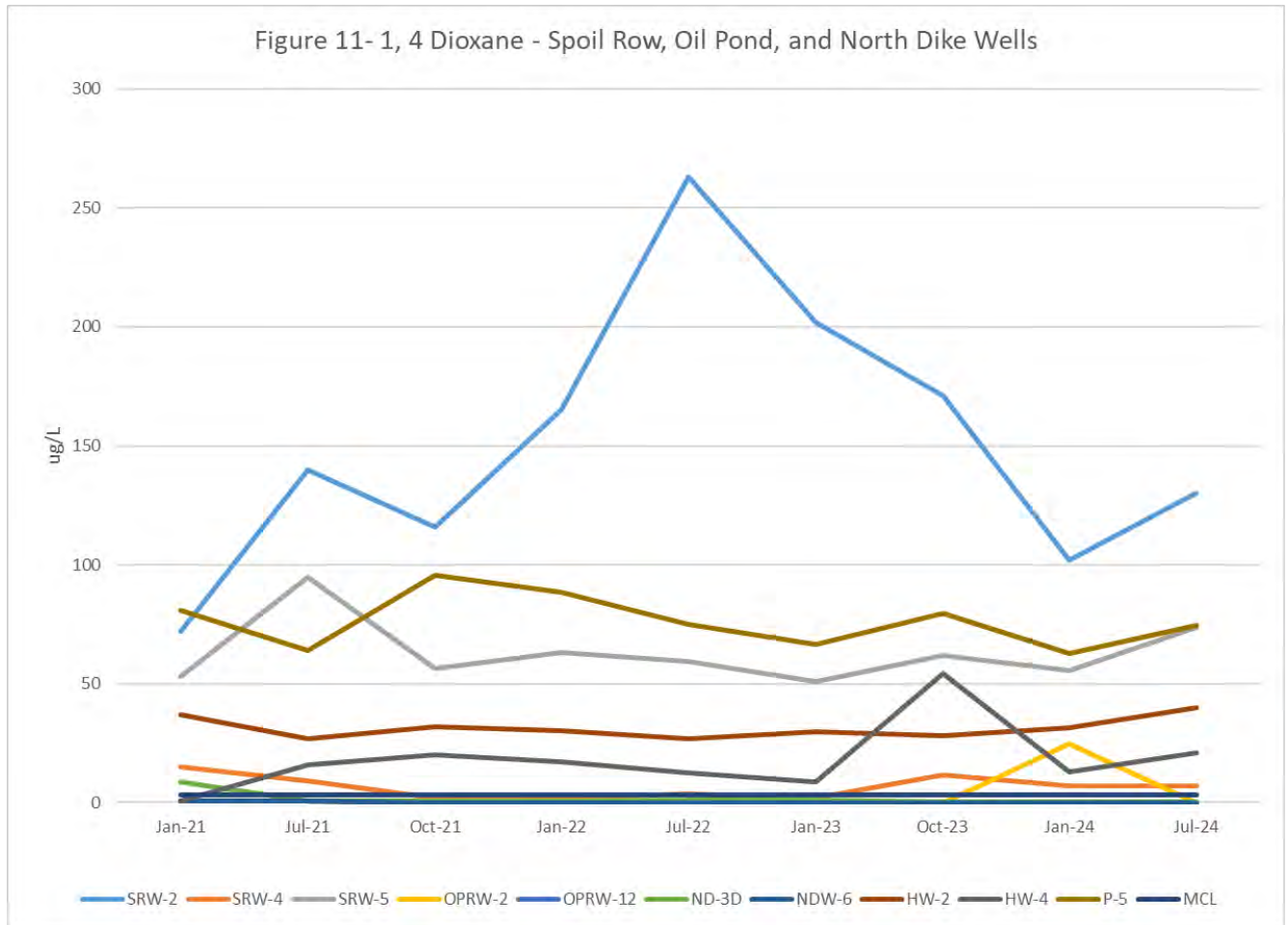
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respectively. None of the Oil Pond Recovery Well or North Dike monitoring wells exhibited a concentration above the GCTL. Over the limited period of review, the 1,4 dioxane has not exceeded the GCTL or been detected above the detection limit for OPRW-12 or NDW-6.

Figure 11 illustrates the trends of 1,4 Dioxane. The County shall continue to closely watch the water quality in these locations. **Figure 12** illustrates the iso-concentration values across the Site within the Spoil Row wells.



Bone Valley Iso-concentration Maps of Benzene, Vinyl Chloride, and 1-4 Dioxane

Iso-concentration maps were created illustrating the PDWS of 1 ug/l and 10 ug/l for benzene, and the GCTL of 3.2 ug/l for 1,4-dioxane within the Bone Valley. No iso-concentration map was created for vinyl chloride in the Bone Valley since the sample results were all below the method detection limit.

Figure 12
Sydney Mine Superfund Site
1,4-Dioxane Concentrations
Spoil Row Monitoring Wells



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EXISTING GROUND WATER
MONITORING WELLS

Exceeds Groundwater
Clean up Level (3.2 ug/l)



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Hawthorne Formation Groundwater Monitoring Well Results

Representative groundwater samples were collected from three (3) wells monitoring the Hawthorne Formation of the Upper Floridan Aquifer (UFA). Based upon the physical properties associated with 1,4-dioxane and the highest concentrations exhibited in the deeper zones of the overlying Bone Valley, there appears to be migratory pathways evident in the reworked soils from previous mining activities.

Analytical results did not exhibit any detectable benzene, isopropylbenzene or vinyl chloride from the groundwater residing above in the Bone Valley. Detections of 1,4-dioxane were exhibited in UFA wells HW-2, HW-4, and P-5 above the GCTL of 3.2 ug/l at concentrations of 40.2, 21, and 74.6 ug/l. A UFA groundwater contour map is included as **Figure 13** and is consistent with regional flow in the west central Florida area. The County will continue to monitor each of these locations. The groundwater parameters for the UFA wells are depicted in **Table 3** and the laboratory report from AEL in **Appendix A**.

Conclusions and Recommendations

Monitoring wells BV-19 and BV-24 are adequate downgradient receptors to monitor any potential plume migration for VOCs other than 1,4-dioxane. As topography has changed due to mine reclamation efforts, the County has closely monitored the direction of groundwater flow associated with the source area. The general flow direction of the Bone Valley continues to the north-northwest. A comprehensive review of the groundwater conditions for the Bone Valley monitoring wells from 2012 to present indicate a stable groundwater plume with a downward trend in benzene and vinyl chloride concentrations. The County has asked the property owner to reconfigure the topography near BV-24 so the County can collect a representative groundwater sample.

Laboratory analytical data generated from the monitoring event exhibited water quality indicative of minor benzene impacts to the groundwater from the former waste oil disposal activities. Benzene in the Bone Valley continues to exhibit a slow downward trend and vinyl chloride is non-detectable indicating a stable and non-migrating groundwater plume. A review of the historical data for downgradient monitoring wells BV-23 and BV-26 indicates no detectable benzene or vinyl chloride and continues to clearly define the leading edge of the plume.

The detections of 1,4-dioxane above the GCTL within the Bone Valley, Spoil Row, and UFA wells indicate the need for additional evaluation. On July 26, 2024, the County provided a proposed delineation plan for written approval to both EPA and the Department for the existing 1,4-dioxane contamination and is awaiting comments to be provided.



FIGURE 13
SYDNEY MINE SUPERFUND SITE
UPPER FLORIDN GROUNDWATER
CONTOUR

Water Resources Department Technical Services Division Records And GIS



Hillsborough
County Florida

EXISTING GROUND WATER MONITORING WELLS

2024 Aerials

RGB

- Red: Band #0
- Green: Band #1
- Blue: Band #2

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Additionally, the County has received applications to rezone a portion of the property from the original use as an energy park to commercial, light industrial, and residential. It is imperative to delineate the groundwater for 1,4-dioxane and revise the institutional controls prior to any construction related activities. Once an agreement is in place, the County shall begin the assessment process and provide a report on the findings.

Table 2 - Sydney Mine Superfund Site
Laboratory Analytical Data - "Bone Valley" Monitoring Wells

General Parameters	BV-1	BV-3	BVR-4	BV-6	BVR-6	BV-7	BV-8	BV-9	BV-13	BV-14	BV-15	BV-16	BV-17	BV-18	BV-19	BV-20	BV-21R	BV-22	BV-23	BV-24	BV-26	BV-27	MCL Standard
Sample date	7/10/2024	7/9/2024	7/10/2024	7/9/2024	7/11/2024	7/8/2024	7/9/2024	7/11/2024	7/10/2024	7/10/2024	7/8/2024	7/8/2024	7/8/2024	7/9/2024	7/9/2024	7/8/2024	7/8/2024	7/8/2024	7/8/2024		7/8/2024	7/9/2024	NS
Conductivity (field) (umhos/cm)	182.9	296.1	194.4	380.1	207.1	166.9	590.0	594.0	185.2	722.0	322.1	609.0	441.9	154.7	355.9	149.9	346.4	185.1	720.0		487.3	382.0	NS
Dissolved Oxygen (field) (mg/l)	1.70	0.09	0.13	0.60	1.14	0.14	0.11	0.62	2.27	1.15	4.72	0.09	0.13	1.71	2.33	0.40	0.16	1.64	4.30		0.94	2.12	NS
Turbidity (field) (NTU)	5.55	5.90	1.16	3.69	4.17	1.24	3.64	130.00	8.13	11.70	7.57	5.25	96.20	11.50	5.61	10.90	8.48	3.02	4.64		16.60	4.16	NS
pH (field) (SU)	5.61	5.73	5.79	6.29	6.61	5.37	6.71	6.14	5.85	6.83	5.92	6.58	6.22	5.48	6.66	5.59	6.33	6.63	6.92		6.04	6.56	(6.5 - 8.5)
Temperature (field) (°C)	24.7	24.6	24.7	24.7	25.5	24.8	24.0	23.6	31.7	28.2	24.7	24.5	24.2	24.4	24.0	24.4	23.7	23.9	27.9		24.5	23.7	NS
ORP (field) (mV)	68.0	8.8	57.6	-22.3	16.2	47.0	-55.0	-31.0	75.3	-23.4	-12.9	-97.2	-61.8	46.3	30.1	87.0	35.9	33.3	-17.3		-2.3	-36.7	NS
Constituents of Concern (ug/l)																							MCL Standard
1,1,1-Trichloroethane	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U		0.39 U	0.39 U	200
1,1-Dichloroethane	0.85 I	1.60	0.38 U	0.85 I	1.30	0.65 I	0.98 I	0.38 U	0.45 I	0.58 I	0.76 I	0.38 U	0.82 I	1.20	0.38 U	0.38 U	0.92 I	0.38 U	0.38 U		0.38 U	0.38 U	70
1,1-Dichloroethylene	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U		0.41 U	0.41 U	7
1,2-Dichloroethane	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U		0.40 U	0.40 U	3
1,4-Dioxane	136.00	171.00	55.20	168.00	32.60	72.00	249.00	102.00	64.80	237.00	126.00	190.00	101.00	52.60	30.00	38.20	212.00	0.29	5.80		0.28	64.40	3.2
Benzene	0.28 U	6.30	4.50	0.28 U	4.60	5.50	0.76 I	0.49 I	0.39 I	0.28 U	0.89 I	1.90	8.20	4.30	1.50	2.30	17.00	0.28 U	0.28 U		0.28 U	0.33 I	1
Chlorobenzene	0.59 I	13.00	2.30	0.38 U	7.50	1.10	0.91 I	0.38 U	0.38 U	0.38 U	2.70	1.90	7.00	7.30	0.38 U	0.38	0.38 U	0.38 U	0.38 U		0.38 U	0.38 U	100
Ethylbenzene	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56	0.56 U	0.56 U	0.56 U		0.56 U	0.56 U	700
Isopropylbenzene	0.42 U	0.44 I	0.42 U	0.42 U	0.52 I	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.54 I	0.42 U	0.42	0.42 U	0.42 U	0.42 U		0.42 U	0.42 U	0.8
Toluene	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66	0.66 U	0.66 U	0.66 U		0.66 U	0.66 U	1000
Vinyl Chloride	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44	0.44 U	0.44 U	0.44 U		0.44 U	0.44 U	1

MCL Standards Derived from the Primary Drinking Water Standard (Ch. 62-520, F.A.C.), the Secondary Drinking Water Standard (Ch. 62-302, F.A.C.), and the Groundwater Cleanup target Levels (Ch. 62-777, F.A.C.)

MCL= Maximum Contaminant Level

mg/l = Milligrams Per Liter

µg/l = Micrograms Per Liter

umhos/cm = Micromhos Per Centimeter

NS=No Standard

NTU=Nephelometric Turbidity Units

mV=millivolts

I = reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

U = parameter was analyzed but not detected.

V = Method Blank Contamination

J4 = Estimated result

:Exceeds Primary or Secondary Drinking Water Standard, or Groundwater Cleanup Target Level

Table 3 - Sydney Mine Superfund Site
Laboratory Analytical Data - Spoil Row, Oil Pond, North Dike, & Hawthorn Monitoring Wells

General Parameters	SRW-2	SRW-4	SRW-5	OPRW-2	OPRW-12	ND-3D	NDW-6	HW-2	HW-4	P-5	MCL Standard
	Spoil Row			Oil Pond		North Dike		Hawthorn			
Sample date	7/10/2024	7/10/2024	7/11/2024	7/11/2024	7/10/2024	7/10/2024	7/10/2024	7/9/2024	7/11/2024	7/10/2024	NS
Conductivity (field) (umhos/cm)	295.4	368.8	446.1	261.3	193.6	249.2	158.9	650.0	445.6	621.0	NS
Dissolved Oxygen (field) (mg/l)	0.03	0.09	0.59	5.44	0.28	2.14	2.13	0.22	1.46	0.15	NS
Turbidity (field) (NTU)	5.24	2.81	1.27	13.70	13.00	10.60	8.49	1.02	2.20	2.58	NS
pH (field) (SU)	5.88	6.29	6.01	6.84	6.20	6.02	6.18	6.82	7.16	6.98	(6.5 - 8.5)
Temperature (field) (°C)	25.8	25.7	24.0	26.5	28.1	27.8	25.3	24.0	24.0	23.7	NS
ORP (field) (mV)	-54.9	-60.3	-21.4	-19.5	-31.2	42.3	80.8	-72.1	27.9	-92.9	NS
Constituents of Concern (ug/l)											MCL Standard
1,1,1-Trichloroethane	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	200
1,1-Dichloroethane	0.49 I	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	70
1,1-Dichloroethylene	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	7
1,2-Dichloroethane	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	3
1,4-Dioxane	130.00	7.20	73.90	0.13 I	0.18 I	0.48	0.12 U	40.20	21.00	74.60	3.2
Benzene	1.10	0.28 U	4.00	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	1
Chlorobenzene	15.00	8.60	6.10	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	100
Ethylbenzene	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	700
Isopropylbenzene	0.70 I	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.8
Toluene	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	1000
Vinyl Chloride	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	1

MCL Standards Derived from the Primary Drinking Water Standard (Ch. 62-520, F.A.C.), the Secondary Drinking Water Standard (Ch. 62-302, F.A.C.), and the Groundwater Cleanup target Levels (Ch. 62-777, F.A.C.)

MCL=Maximum Contaminant Level

mg/l=Milligrams Per Liter

µg/l=Micrograms Per Liter

NS=No Standard

NTU=Nephelometric Turbidity Units

mV=millivolts

I = Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

U = Parameter was analyzed but not detected.

V = Method Blank Contamination

 :Exceeds Primary or Secondary Drinking Water Standard, or Groundwater Cleanup Target Level

Appendix A
July 2024
Laboratory Analytical Data Reports



Advanced Environmental Laboratories, Inc
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FINAL

Workorder: Sydney Mine (T2415776)

August 01, 2024

Michael Townsel
Hillsborough Co Public Utilities
332 North Falkenburg Rd
Tampa, FL 33619

RE: Workorder: T2415776 Sydney Mine

Dear Michael Townsel:

Enclosed are the analytical results for sample(s) received by the laboratory on Tuesday July 9, 2024. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

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

Sincerely,

Heidi Parker, Project Manager
HParker@aellab.com

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FINAL

Workorder: Sydney Mine (T2415776)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
T2415776001	TRIP BLANK	WA	SW-846 8260D	07/09/2024 00:00	07/09/2024 17:23	66	NA
T2415776001	TRIP BLANK	WA	SW-846 8260D (SIM)	07/09/2024 00:00	07/09/2024 17:23	3	NA
T2415776002	BV-18	WA	Field Measurements	07/09/2024 08:01	07/09/2024 14:00	6	NA
T2415776002	BV-18	WA	SW-846 8260D	07/09/2024 08:01	07/09/2024 14:00	66	NA
T2415776002	BV-18	WA	SW-846 8260D (SIM)	07/09/2024 08:01	07/09/2024 14:00	3	NA
T2415776003	BV-3	WA	Field Measurements	07/09/2024 10:49	07/09/2024 14:00	6	NA
T2415776003	BV-3	WA	SW-846 8260D	07/09/2024 10:49	07/09/2024 14:00	66	NA
T2415776003	BV-3	WA	SW-846 8260D (SIM)	07/09/2024 10:49	07/09/2024 14:00	3	NA
T2415776004	HW-2	WA	Field Measurements	07/09/2024 13:11	07/09/2024 14:00	6	NA
T2415776004	HW-2	WA	SW-846 8260D	07/09/2024 13:11	07/09/2024 14:00	66	NA
T2415776004	HW-2	WA	SW-846 8260D (SIM)	07/09/2024 13:11	07/09/2024 14:00	3	NA
T2415776005	BV-27	WA	Field Measurements	07/09/2024 07:17	07/09/2024 14:00	6	NA
T2415776005	BV-27	WA	SW-846 8260D	07/09/2024 07:17	07/09/2024 14:00	66	NA
T2415776005	BV-27	WA	SW-846 8260D (SIM)	07/09/2024 07:17	07/09/2024 14:00	3	NA
T2415776006	BV-6	WA	Field Measurements	07/09/2024 10:34	07/09/2024 14:00	6	NA
T2415776006	BV-6	WA	SW-846 8260D	07/09/2024 10:34	07/09/2024 14:00	66	NA
T2415776006	BV-6	WA	SW-846 8260D (SIM)	07/09/2024 10:34	07/09/2024 14:00	3	NA
T2415776007	BV-19	WA	Field Measurements	07/09/2024 08:39	07/09/2024 14:00	6	NA
T2415776007	BV-19	WA	SW-846 8260D	07/09/2024 08:39	07/09/2024 14:00	66	NA
T2415776007	BV-19	WA	SW-846 8260D (SIM)	07/09/2024 08:39	07/09/2024 14:00	3	NA
T2415776008	BV-8	WA	Field Measurements	07/09/2024 12:40	07/09/2024 14:00	6	NA
T2415776008	BV-8	WA	SW-846 8260D	07/09/2024 12:40	07/09/2024 14:00	66	NA
T2415776008	BV-8	WA	SW-846 8260D (SIM)	07/09/2024 12:40	07/09/2024 14:00	3	NA
T2415776009	DUPLICATE	WA	SW-846 8260D	07/09/2024 00:00	07/09/2024 14:00	66	NA
T2415776009	DUPLICATE	WA	SW-846 8260D (SIM)	07/09/2024 00:00	07/09/2024 14:00	3	NA

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results Qualifiers

Parameter Qualifiers

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

Lab Qualifiers

- T^ Not Certified
- T DOH Certification #E84589 (FL NELAC) AEL-Tampa

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID:	T2415776001	Date Collected:	07/09/2024 00:00				Matrix:	Water	
Sample ID:	TRIP BLANK	Date Received:	07/09/2024 17:23						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))									
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/19/2024 04:22	07/19/2024 07:45	T	
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/19/2024 04:22	07/19/2024 07:45	T	
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/19/2024 04:22	07/19/2024 07:45	T	
VOLATILES (SW-846 5030B/SW-846 8260D)									
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/19/2024 04:22	07/19/2024 07:45	T	
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 07:45	T	
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/19/2024 04:22	07/19/2024 07:45	T	
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 07:45	T	
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 07:45	T	
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 07:45	T	
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 07:45	T	
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 07:45	T	
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/19/2024 04:22	07/19/2024 07:45	T	
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 07:45	T	
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 07:45	T	
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 07:45	T	
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/19/2024 04:22	07/19/2024 07:45	T	
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 07:45	T	
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 07:45	T	
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 07:45	T	
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 07:45	T	
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 07:45	T	
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 07:45	T	
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/19/2024 04:22	07/19/2024 07:45	T	
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 07:45	T	
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 07:45	T	

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776001
Sample ID: TRIP BLANK

Date Collected: 07/09/2024 00:00
Date Received: 07/09/2024 17:23

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 07:45	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 07:45	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/19/2024 04:22	07/19/2024 07:45	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/19/2024 04:22	07/19/2024 07:45	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/19/2024 04:22	07/19/2024 07:45	T
Benzene	0.28 U	ug/L	1.0	0.28	1	07/19/2024 04:22	07/19/2024 07:45	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 07:45	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 07:45	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 07:45	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 07:45	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 07:45	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 07:45	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 07:45	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 07:45	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 07:45	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 07:45	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 07:45	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 07:45	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 07:45	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/19/2024 04:22	07/19/2024 07:45	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 07:45	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 07:45	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/19/2024 04:22	07/19/2024 07:45	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 07:45	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/19/2024 04:22	07/19/2024 07:45	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 07:45	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/19/2024 04:22	07/19/2024 07:45	T

Thursday, August 1, 2024 4:01:57 PM
Dates and times are displayed using (-04:00)
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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776001
Sample ID: TRIP BLANK

Date Collected: 07/09/2024 00:00
Date Received: 07/09/2024 17:23

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Styrene	0.29 U	ug/L	1.0	0.29	1	07/19/2024 04:22	07/19/2024 07:45	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 07:45	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/19/2024 04:22	07/19/2024 07:45	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 07:45	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 07:45	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 07:45	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 07:45	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/19/2024 04:22	07/19/2024 07:45	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 07:45	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 07:45	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/19/2024 04:22	07/19/2024 07:45	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 07:45	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/19/2024 04:22	07/19/2024 07:45	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 07:45	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 07:45	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 07:45	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 07:45	T

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Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	50	99	70 - 128	T
Toluene-d8 (S)	ug/L	50	50	100	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	107	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	41	83	70 - 128	T
Toluene-d8 (S)	ug/L	50	49	99	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776002
Sample ID: BV-18

Date Collected: 07/09/2024 08:01
Date Received: 07/09/2024 14:00

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	154.7	umhos/cm			1	07/09/2024 08:01	07/09/2024 08:01	
Dissolved Oxygen	1.71	mg/L			1	07/09/2024 08:01	07/09/2024 08:01	
ORP-2580BW	46.3	mV			1	07/09/2024 08:01	07/09/2024 08:01	
Temperature	24.4	°C			1	07/09/2024 08:01	07/09/2024 08:01	
Turbidity	11.5	NTU			1	07/09/2024 08:01	07/09/2024 08:01	
pH	5.48	SU			1	07/09/2024 08:01	07/09/2024 08:01	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/19/2024 04:22	07/19/2024 11:55	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/19/2024 04:22	07/19/2024 11:55	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/19/2024 04:22	07/19/2024 11:55	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/19/2024 04:22	07/19/2024 11:55	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 11:55	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/19/2024 04:22	07/19/2024 11:55	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 11:55	T
1,1-Dichloroethane	1.2	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 11:55	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 11:55	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 11:55	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 11:55	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/19/2024 04:22	07/19/2024 11:55	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 11:55	T
1,2-Dichlorobenzene	5.7	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 11:55	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 11:55	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/19/2024 04:22	07/19/2024 11:55	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 11:55	T
1,3-Dichlorobenzene	0.95 I	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 11:55	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776002
Sample ID: BV-18

Date Collected: 07/09/2024 08:01
Date Received: 07/09/2024 14:00

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 11:55	T
1,4-Dichlorobenzene	0.68 I	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 11:55	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 11:55	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 11:55	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/19/2024 04:22	07/19/2024 11:55	T
2-Chlorotoluene	0.40 I	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 11:55	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 11:55	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 11:55	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 11:55	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/19/2024 04:22	07/19/2024 11:55	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/19/2024 04:22	07/19/2024 11:55	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/19/2024 04:22	07/19/2024 11:55	T
Benzene	4.3	ug/L	1.0	0.28	1	07/19/2024 04:22	07/19/2024 11:55	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 11:55	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 11:55	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 11:55	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 11:55	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 11:55	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 11:55	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 11:55	T
Chlorobenzene	7.3	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 11:55	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 11:55	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 11:55	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 11:55	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 11:55	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 11:55	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/19/2024 04:22	07/19/2024 11:55	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776002
Sample ID: BV-18

Date Collected: 07/09/2024 08:01
Date Received: 07/09/2024 14:00

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 11:55	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 11:55	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/19/2024 04:22	07/19/2024 11:55	T
Isopropylbenzene	0.54 I	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 11:55	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/19/2024 04:22	07/19/2024 11:55	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 11:55	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/19/2024 04:22	07/19/2024 11:55	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/19/2024 04:22	07/19/2024 11:55	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 11:55	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/19/2024 04:22	07/19/2024 11:55	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 11:55	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 11:55	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 11:55	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 11:55	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/19/2024 04:22	07/19/2024 11:55	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 11:55	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 11:55	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/19/2024 04:22	07/19/2024 11:55	T
n-propylbenzene	1.1	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 11:55	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/19/2024 04:22	07/19/2024 11:55	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 11:55	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 11:55	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 11:55	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 11:55	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	50	100	70 - 128	T
Toluene-d8 (S)	ug/L	50	44	89	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	52	104	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	43	85	70 - 128	T
Toluene-d8 (S)	ug/L	50	48	97	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	52	104	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776003
Sample ID: BV-3

Date Collected: 07/09/2024 10:49
Date Received: 07/09/2024 14:00

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	296.1	umhos/cm			1	07/09/2024 10:49	07/09/2024 10:49	
Dissolved Oxygen	0.09	mg/L			1	07/09/2024 10:49	07/09/2024 10:49	
ORP-2580BW	8.8	mV			1	07/09/2024 10:49	07/09/2024 10:49	
Temperature	24.6	°C			1	07/09/2024 10:49	07/09/2024 10:49	
Turbidity	5.9	NTU			1	07/09/2024 10:49	07/09/2024 10:49	
pH	5.73	SU			1	07/09/2024 10:49	07/09/2024 10:49	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/17/2024 12:11	07/17/2024 23:40	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/17/2024 12:11	07/17/2024 23:40	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/17/2024 12:11	07/17/2024 23:40	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/17/2024 12:11	07/17/2024 23:40	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 23:40	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/17/2024 12:11	07/17/2024 23:40	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 23:40	T
1,1-Dichloroethane	1.6	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 23:40	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 23:40	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 23:40	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 23:40	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/17/2024 12:11	07/17/2024 23:40	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 23:40	T
1,2-Dichlorobenzene	7.9	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 23:40	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 23:40	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/17/2024 12:11	07/17/2024 23:40	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 23:40	T
1,3-Dichlorobenzene	1.6	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 23:40	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776003
Sample ID: BV-3

Date Collected: 07/09/2024 10:49
Date Received: 07/09/2024 14:00

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 23:40	T
1,4-Dichlorobenzene	1.8	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 23:40	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 23:40	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 23:40	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/17/2024 12:11	07/17/2024 23:40	T
2-Chlorotoluene	0.63 I	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 23:40	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 23:40	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 23:40	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 23:40	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/17/2024 12:11	07/17/2024 23:40	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/17/2024 12:11	07/17/2024 23:40	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/17/2024 12:11	07/17/2024 23:40	T
Benzene	6.3	ug/L	1.0	0.28	1	07/17/2024 12:11	07/17/2024 23:40	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 23:40	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 23:40	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 23:40	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 23:40	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 23:40	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 23:40	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 23:40	T
Chlorobenzene	13	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 23:40	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 23:40	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 23:40	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 23:40	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 23:40	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 23:40	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/17/2024 12:11	07/17/2024 23:40	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776003
Sample ID: BV-3

Date Collected: 07/09/2024 10:49
Date Received: 07/09/2024 14:00

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 23:40	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 23:40	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/17/2024 12:11	07/17/2024 23:40	T
Isopropylbenzene	0.44 I	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 23:40	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/17/2024 12:11	07/17/2024 23:40	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 23:40	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/17/2024 12:11	07/17/2024 23:40	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/17/2024 12:11	07/17/2024 23:40	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 23:40	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/17/2024 12:11	07/17/2024 23:40	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 23:40	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 23:40	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 23:40	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 23:40	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/17/2024 12:11	07/17/2024 23:40	T
cis-1,2-Dichloroethylene	0.44 I	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 23:40	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 23:40	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/17/2024 12:11	07/17/2024 23:40	T
n-propylbenzene	0.43 I	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 23:40	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/17/2024 12:11	07/17/2024 23:40	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 23:40	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 23:40	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 23:40	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 23:40	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	54	107	70 - 128	T
Toluene-d8 (S)	ug/L	50	50	100	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	106	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	45	91	70 - 128	T
Toluene-d8 (S)	ug/L	50	49	98	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	106	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776004	Date Collected: 07/09/2024 13:11			Matrix: Water				
Sample ID: HW-2	Date Received: 07/09/2024 14:00							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	650	umhos/cm			1	07/09/2024 13:11	07/09/2024 13:11	
Dissolved Oxygen	0.22	mg/L			1	07/09/2024 13:11	07/09/2024 13:11	
ORP-2580BW	-72.1	mV			1	07/09/2024 13:11	07/09/2024 13:11	
Temperature	24	°C			1	07/09/2024 13:11	07/09/2024 13:11	
Turbidity	1.02	NTU			1	07/09/2024 13:11	07/09/2024 13:11	
pH	6.82	SU			1	07/09/2024 13:11	07/09/2024 13:11	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/19/2024 04:22	07/19/2024 11:29	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/19/2024 04:22	07/19/2024 11:29	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/19/2024 04:22	07/19/2024 11:29	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/19/2024 04:22	07/19/2024 11:29	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 11:29	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/19/2024 04:22	07/19/2024 11:29	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 11:29	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 11:29	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 11:29	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 11:29	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 11:29	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/19/2024 04:22	07/19/2024 11:29	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 11:29	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 11:29	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 11:29	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/19/2024 04:22	07/19/2024 11:29	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 11:29	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 11:29	T





FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776004
Sample ID: HW-2

Date Collected: 07/09/2024 13:11
Date Received: 07/09/2024 14:00

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 11:29	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 11:29	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 11:29	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 11:29	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/19/2024 04:22	07/19/2024 11:29	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 11:29	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 11:29	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 11:29	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 11:29	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/19/2024 04:22	07/19/2024 11:29	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/19/2024 04:22	07/19/2024 11:29	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/19/2024 04:22	07/19/2024 11:29	T
Benzene	0.28 U	ug/L	1.0	0.28	1	07/19/2024 04:22	07/19/2024 11:29	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 11:29	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 11:29	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 11:29	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 11:29	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 11:29	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 11:29	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 11:29	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 11:29	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 11:29	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 11:29	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 11:29	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 11:29	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 11:29	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/19/2024 04:22	07/19/2024 11:29	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776004
Sample ID: HW-2

Date Collected: 07/09/2024 13:11
Date Received: 07/09/2024 14:00

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 11:29	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 11:29	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/19/2024 04:22	07/19/2024 11:29	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 11:29	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/19/2024 04:22	07/19/2024 11:29	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 11:29	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/19/2024 04:22	07/19/2024 11:29	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/19/2024 04:22	07/19/2024 11:29	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 11:29	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/19/2024 04:22	07/19/2024 11:29	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 11:29	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 11:29	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 11:29	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 11:29	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/19/2024 04:22	07/19/2024 11:29	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 11:29	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 11:29	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/19/2024 04:22	07/19/2024 11:29	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 11:29	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/19/2024 04:22	07/19/2024 11:29	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 11:29	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 11:29	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 11:29	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 11:29	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	53	105	70 - 128	T
Toluene-d8 (S)	ug/L	50	45	90	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	106	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	44	88	70 - 128	T
Toluene-d8 (S)	ug/L	50	48	97	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	106	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776005
Sample ID: BV-27

Date Collected: 07/09/2024 07:17
Date Received: 07/09/2024 14:00

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	382	umhos/cm			1	07/09/2024 07:17	07/09/2024 07:17	
Dissolved Oxygen	2.12	mg/L			1	07/09/2024 07:17	07/09/2024 07:17	
ORP-2580BW	-36.7	mV			1	07/09/2024 07:17	07/09/2024 07:17	
Temperature	23.7	°C			1	07/09/2024 07:17	07/09/2024 07:17	
Turbidity	4.16	NTU			1	07/09/2024 07:17	07/09/2024 07:17	
pH	6.56	SU			1	07/09/2024 07:17	07/09/2024 07:17	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/17/2024 12:11	07/17/2024 21:08	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/17/2024 12:11	07/17/2024 21:08	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/17/2024 12:11	07/17/2024 21:08	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/17/2024 12:11	07/17/2024 21:08	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 21:08	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/17/2024 12:11	07/17/2024 21:08	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 21:08	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 21:08	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 21:08	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 21:08	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 21:08	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/17/2024 12:11	07/17/2024 21:08	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 21:08	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 21:08	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 21:08	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/17/2024 12:11	07/17/2024 21:08	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 21:08	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 21:08	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776005
Sample ID: BV-27

Date Collected: 07/09/2024 07:17
Date Received: 07/09/2024 14:00

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 21:08	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 21:08	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 21:08	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 21:08	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/17/2024 12:11	07/17/2024 21:08	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 21:08	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 21:08	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 21:08	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 21:08	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/17/2024 12:11	07/17/2024 21:08	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/17/2024 12:11	07/17/2024 21:08	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/17/2024 12:11	07/17/2024 21:08	T
Benzene	0.33 I	ug/L	1.0	0.28	1	07/17/2024 12:11	07/17/2024 21:08	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 21:08	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 21:08	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 21:08	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 21:08	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 21:08	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 21:08	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 21:08	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 21:08	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 21:08	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 21:08	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 21:08	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 21:08	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 21:08	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/17/2024 12:11	07/17/2024 21:08	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776005
Sample ID: BV-27

Date Collected: 07/09/2024 07:17
Date Received: 07/09/2024 14:00

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 21:08	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 21:08	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/17/2024 12:11	07/17/2024 21:08	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 21:08	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/17/2024 12:11	07/17/2024 21:08	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 21:08	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/17/2024 12:11	07/17/2024 21:08	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/17/2024 12:11	07/17/2024 21:08	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 21:08	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/17/2024 12:11	07/17/2024 21:08	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 21:08	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 21:08	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 21:08	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 21:08	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/17/2024 12:11	07/17/2024 21:08	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 21:08	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 21:08	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/17/2024 12:11	07/17/2024 21:08	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 21:08	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/17/2024 12:11	07/17/2024 21:08	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 21:08	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 21:08	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 21:08	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 21:08	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	53	105	70 - 128	T
Toluene-d8 (S)	ug/L	50	46	91	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	44	89	70 - 128	T
Toluene-d8 (S)	ug/L	50	49	99	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776006
Sample ID: BV-6

Date Collected: 07/09/2024 10:34
Date Received: 07/09/2024 14:00

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	380.1	umhos/cm			1	07/09/2024 10:34	07/09/2024 10:34	
Dissolved Oxygen	0.6	mg/L			1	07/09/2024 10:34	07/09/2024 10:34	
ORP-2580BW	-22.3	mV			1	07/09/2024 10:34	07/09/2024 10:34	
Temperature	24.7	°C			1	07/09/2024 10:34	07/09/2024 10:34	
Turbidity	3.69	NTU			1	07/09/2024 10:34	07/09/2024 10:34	
pH	6.29	SU			1	07/09/2024 10:34	07/09/2024 10:34	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/17/2024 12:11	07/17/2024 22:24	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/17/2024 12:11	07/17/2024 22:24	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/17/2024 12:11	07/17/2024 22:24	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/17/2024 12:11	07/17/2024 22:24	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 22:24	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/17/2024 12:11	07/17/2024 22:24	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 22:24	T
1,1-Dichloroethane	0.85 I	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 22:24	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 22:24	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 22:24	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 22:24	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/17/2024 12:11	07/17/2024 22:24	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 22:24	T
1,2-Dichlorobenzene	1.0	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 22:24	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 22:24	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/17/2024 12:11	07/17/2024 22:24	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 22:24	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 22:24	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776006
Sample ID: BV-6

Date Collected: 07/09/2024 10:34
Date Received: 07/09/2024 14:00

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 22:24	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 22:24	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 22:24	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 22:24	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/17/2024 12:11	07/17/2024 22:24	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 22:24	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 22:24	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 22:24	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 22:24	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/17/2024 12:11	07/17/2024 22:24	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/17/2024 12:11	07/17/2024 22:24	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/17/2024 12:11	07/17/2024 22:24	T
Benzene	0.28 U	ug/L	1.0	0.28	1	07/17/2024 12:11	07/17/2024 22:24	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 22:24	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 22:24	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 22:24	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 22:24	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 22:24	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 22:24	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 22:24	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 22:24	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 22:24	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 22:24	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 22:24	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 22:24	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 22:24	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/17/2024 12:11	07/17/2024 22:24	T

Thursday, August 1, 2024 4:01:57 PM
Dates and times are displayed using (-04:00)
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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776006
Sample ID: BV-6

Date Collected: 07/09/2024 10:34
Date Received: 07/09/2024 14:00

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 22:24	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 22:24	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/17/2024 12:11	07/17/2024 22:24	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 22:24	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/17/2024 12:11	07/17/2024 22:24	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 22:24	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/17/2024 12:11	07/17/2024 22:24	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/17/2024 12:11	07/17/2024 22:24	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 22:24	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/17/2024 12:11	07/17/2024 22:24	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 22:24	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 22:24	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 22:24	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 22:24	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/17/2024 12:11	07/17/2024 22:24	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 22:24	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 22:24	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/17/2024 12:11	07/17/2024 22:24	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 22:24	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/17/2024 12:11	07/17/2024 22:24	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 22:24	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 22:24	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 22:24	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 22:24	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	54	108	70 - 128	T
Toluene-d8 (S)	ug/L	50	45	89	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	46	91	70 - 128	T
Toluene-d8 (S)	ug/L	50	49	98	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	109	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776007
Sample ID: BV-19

Date Collected: 07/09/2024 08:39
Date Received: 07/09/2024 14:00

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	355.9	umhos/cm			1	07/09/2024 08:39	07/09/2024 08:39	
Dissolved Oxygen	2.33	mg/L			1	07/09/2024 08:39	07/09/2024 08:39	
ORP-2580BW	30.1	mV			1	07/09/2024 08:39	07/09/2024 08:39	
Temperature	24	°C			1	07/09/2024 08:39	07/09/2024 08:39	
Turbidity	5.61	NTU			1	07/09/2024 08:39	07/09/2024 08:39	
pH	6.66	SU			1	07/09/2024 08:39	07/09/2024 08:39	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/17/2024 12:11	07/17/2024 17:43	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/17/2024 12:11	07/17/2024 17:43	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/17/2024 12:11	07/17/2024 17:43	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/17/2024 12:11	07/17/2024 17:43	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 17:43	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/17/2024 12:11	07/17/2024 17:43	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 17:43	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 17:43	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 17:43	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 17:43	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 17:43	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/17/2024 12:11	07/17/2024 17:43	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 17:43	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 17:43	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 17:43	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/17/2024 12:11	07/17/2024 17:43	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 17:43	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 17:43	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776007
Sample ID: BV-19

Date Collected: 07/09/2024 08:39
Date Received: 07/09/2024 14:00

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 17:43	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 17:43	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 17:43	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 17:43	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/17/2024 12:11	07/17/2024 17:43	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 17:43	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 17:43	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 17:43	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 17:43	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/17/2024 12:11	07/17/2024 17:43	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/17/2024 12:11	07/17/2024 17:43	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/17/2024 12:11	07/17/2024 17:43	T
Benzene	1.5	ug/L	1.0	0.28	1	07/17/2024 12:11	07/17/2024 17:43	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 17:43	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 17:43	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 17:43	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 17:43	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 17:43	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 17:43	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 17:43	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 17:43	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 17:43	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 17:43	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 17:43	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 17:43	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 17:43	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/17/2024 12:11	07/17/2024 17:43	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776007
Sample ID: BV-19

Date Collected: 07/09/2024 08:39
Date Received: 07/09/2024 14:00

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 17:43	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 17:43	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/17/2024 12:11	07/17/2024 17:43	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 17:43	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/17/2024 12:11	07/17/2024 17:43	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 17:43	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/17/2024 12:11	07/17/2024 17:43	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/17/2024 12:11	07/17/2024 17:43	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 17:43	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/17/2024 12:11	07/17/2024 17:43	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 17:43	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 17:43	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 17:43	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 17:43	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/17/2024 12:11	07/17/2024 17:43	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 17:43	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 17:43	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/17/2024 12:11	07/17/2024 17:43	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 17:43	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/17/2024 12:11	07/17/2024 17:43	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 17:43	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 17:43	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 17:43	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 17:43	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	51	103	70 - 128	T
Toluene-d8 (S)	ug/L	50	51	102	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	43	87	70 - 128	T
Toluene-d8 (S)	ug/L	50	50	99	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	109	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776008
Sample ID: BV-8

Date Collected: 07/09/2024 12:40
Date Received: 07/09/2024 14:00

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	590	umhos/cm			1	07/09/2024 12:40	07/09/2024 12:40	
Dissolved Oxygen	0.11	mg/L			1	07/09/2024 12:40	07/09/2024 12:40	
ORP-2580BW	-55	mV			1	07/09/2024 12:40	07/09/2024 12:40	
Temperature	24	°C			1	07/09/2024 12:40	07/09/2024 12:40	
Turbidity	3.64	NTU			1	07/09/2024 12:40	07/09/2024 12:40	
pH	6.71	SU			1	07/09/2024 12:40	07/09/2024 12:40	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/17/2024 12:11	07/17/2024 23:15	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/17/2024 12:11	07/17/2024 23:15	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/17/2024 12:11	07/17/2024 23:15	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/17/2024 12:11	07/17/2024 23:15	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 23:15	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/17/2024 12:11	07/17/2024 23:15	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 23:15	T
1,1-Dichloroethane	0.98 I	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 23:15	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 23:15	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 23:15	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 23:15	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/17/2024 12:11	07/17/2024 23:15	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 23:15	T
1,2-Dichlorobenzene	1.7	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 23:15	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 23:15	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/17/2024 12:11	07/17/2024 23:15	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 23:15	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 23:15	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776008
Sample ID: BV-8

Date Collected: 07/09/2024 12:40
Date Received: 07/09/2024 14:00

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 23:15	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 23:15	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 23:15	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 23:15	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/17/2024 12:11	07/17/2024 23:15	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 23:15	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 23:15	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 23:15	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 23:15	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/17/2024 12:11	07/17/2024 23:15	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/17/2024 12:11	07/17/2024 23:15	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/17/2024 12:11	07/17/2024 23:15	T
Benzene	0.76 I	ug/L	1.0	0.28	1	07/17/2024 12:11	07/17/2024 23:15	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 23:15	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 23:15	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 23:15	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 23:15	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 23:15	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 23:15	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 23:15	T
Chlorobenzene	0.91 I	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 23:15	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 23:15	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 23:15	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 23:15	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 23:15	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 23:15	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/17/2024 12:11	07/17/2024 23:15	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776008
Sample ID: BV-8

Date Collected: 07/09/2024 12:40
Date Received: 07/09/2024 14:00

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 23:15	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 23:15	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/17/2024 12:11	07/17/2024 23:15	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 23:15	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/17/2024 12:11	07/17/2024 23:15	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 23:15	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/17/2024 12:11	07/17/2024 23:15	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/17/2024 12:11	07/17/2024 23:15	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 23:15	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/17/2024 12:11	07/17/2024 23:15	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 23:15	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 23:15	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 23:15	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 23:15	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/17/2024 12:11	07/17/2024 23:15	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 23:15	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 23:15	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/17/2024 12:11	07/17/2024 23:15	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 23:15	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/17/2024 12:11	07/17/2024 23:15	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 23:15	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 23:15	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 23:15	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 23:15	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	53	106	70 - 128	T
Toluene-d8 (S)	ug/L	50	44	88	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	52	104	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	45	91	70 - 128	T
Toluene-d8 (S)	ug/L	50	49	98	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	52	104	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776009	Date Collected: 07/09/2024 00:00					Matrix: Water		
Sample ID: DUPLICATE	Date Received: 07/09/2024 14:00							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/17/2024 12:11	07/17/2024 21:33	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/17/2024 12:11	07/17/2024 21:33	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/17/2024 12:11	07/17/2024 21:33	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/17/2024 12:11	07/17/2024 21:33	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 21:33	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/17/2024 12:11	07/17/2024 21:33	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 21:33	T
1,1-Dichloroethane	0.94 I	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 21:33	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 21:33	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 21:33	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 21:33	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/17/2024 12:11	07/17/2024 21:33	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 21:33	T
1,2-Dichlorobenzene	1.7	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 21:33	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 21:33	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/17/2024 12:11	07/17/2024 21:33	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 21:33	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 21:33	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 21:33	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 21:33	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 21:33	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 21:33	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/17/2024 12:11	07/17/2024 21:33	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 21:33	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 21:33	T





FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776009
Sample ID: DUPLICATE

Date Collected: 07/09/2024 00:00
Date Received: 07/09/2024 14:00

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 21:33	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 21:33	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/17/2024 12:11	07/17/2024 21:33	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/17/2024 12:11	07/17/2024 21:33	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/17/2024 12:11	07/17/2024 21:33	T
Benzene	0.64 I	ug/L	1.0	0.28	1	07/17/2024 12:11	07/17/2024 21:33	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 21:33	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 21:33	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 21:33	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 21:33	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 21:33	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 21:33	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 21:33	T
Chlorobenzene	0.89 I	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 21:33	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 21:33	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 21:33	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 21:33	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 21:33	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 21:33	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/17/2024 12:11	07/17/2024 21:33	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 21:33	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 21:33	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/17/2024 12:11	07/17/2024 21:33	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 21:33	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/17/2024 12:11	07/17/2024 21:33	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 21:33	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/17/2024 12:11	07/17/2024 21:33	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Lab ID: T2415776009
Sample ID: DUPLICATE

Date Collected: 07/09/2024 00:00
Date Received: 07/09/2024 14:00

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Styrene	0.29 U	ug/L	1.0	0.29	1	07/17/2024 12:11	07/17/2024 21:33	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 21:33	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/17/2024 12:11	07/17/2024 21:33	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 21:33	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 21:33	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 21:33	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 21:33	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/17/2024 12:11	07/17/2024 21:33	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 21:33	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 21:33	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/17/2024 12:11	07/17/2024 21:33	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 21:33	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/17/2024 12:11	07/17/2024 21:33	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 21:33	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 21:33	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 21:33	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 21:33	T

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FINAL

Workorder: Sydney Mine (T2415776)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	51	102	70 - 128	T
Toluene-d8 (S)	ug/L	50	46	92	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	43	86	70 - 128	T
Toluene-d8 (S)	ug/L	50	50	100	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415776)

QC Results

QC Batch: MSVt/9646 Analysis Method: SW-846 8260D (SIM)
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415776003, T2415776005, T2415776006, T2415776007, T2415776008, T2415776009

Method Blank(5397192)

Parameter	Results	Units	PQL	MDL	Lab
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	52	103	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	54	109	86 - 123	T
Toluene-d8 (S)	ug/L	50	50	101	77 - 119	T

Lab Control Sample (5397193); Lab Control Sample Duplicate (5397194); Parent Lab Sample (T2415776003, T2415776005, T2415776006, T2415776007, T2415776008, T2415776009)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Ethylene Dibromide (EDB)	ug/L	0.80	0.7	87	77 - 121	0.76	95	8	20	T
1,2-Dibromo-3-Chloropropa	ug/L	0.80	0.7	87	62 - 128	0.77	96	10	20	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	51	102	70 - 128	51	103	0		T
Bromofluorobenzene (S)	ug/L	50	57	115	86 - 123	54	108	6		T
Toluene-d8 (S)	ug/L	50	43	86	77 - 119	45	89	3		T

Matrix Spike (5397195); Original (T2415619007); Parent Lab Sample (T2415619007)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Ethylene Dibromide (EDB)	ug/L	0.80	0.75	93	77 - 121	T
1,2-Dibromo-3-Chloropropane	ug/L	0.80	0.79	98	62 - 128	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	51	101	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	55	111	86 - 123	T
Toluene-d8 (S)	ug/L	50	46	92	77 - 119	T

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FINAL

Workorder: Sydney Mine (T2415776)

QC Results

QC Batch: MSVt/9648 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415776003, T2415776005, T2415776006, T2415776007, T2415776008, T2415776009

Method Blank(5397210)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	T
Chloromethane	0.39 U	ug/L	1.0	0.39	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	T
Bromomethane	0.32 U	ug/L	1.0	0.32	T
Chloroethane	0.42 U	ug/L	1.0	0.42	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	T
Acetone	0.90 U	ug/L	2.0	0.90	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	T
Chloroform	0.37 U	ug/L	1.0	0.37	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	T
Benzene	0.28 U	ug/L	1.0	0.28	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	T

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FINAL

Workorder: Sydney Mine (T2415776)

QC Batch: MSVt/9648 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415776003, T2415776005, T2415776006, T2415776007, T2415776008, T2415776009

Parameter	Results	Units	PQL	MDL	Lab
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	T
Toluene	0.66 U	ug/L	1.0	0.66	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	T
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	T
Bromoform	0.36 U	ug/L	1.0	0.36	T
Styrene	0.29 U	ug/L	1.0	0.29	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	T
Naphthalene	0.93 U	ug/L	1.0	0.93	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	T

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FINAL

Workorder: Sydney Mine (T2415776)

QC Batch: MSVt/9648 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415776003, T2415776005, T2415776006, T2415776007, T2415776008, T2415776009

Parameter	Results	Units	PQL	MDL	Lab
Xylene (Total)	1.3 U	ug/L	2.0	1.3	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	44	88	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	55	109	86 - 123	T
Toluene-d8 (S)	ug/L	50	49	99	77 - 119	T

Lab Control Sample (5397211); Lab Control Sample Duplicate (5397212); Parent Lab Sample (T2415776003, T2415776005, T2415776006, T2415776007, T2415776008, T2415776009)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	ug/L	20	18	90	32 - 152	18	90	1	20	T
Chloromethane	ug/L	20	19	97	50 - 139	19	97	0	20	T
Vinyl Chloride	ug/L	20	18	90	58 - 137	19	94	4	20	T
Bromomethane	ug/L	20	21	105	10 - 150	21	105	0	20	T
Chloroethane	ug/L	20	19	95	60 - 138	20	99	4	20	T
Trichlorofluoromethane	ug/L	20	19	93	65 - 141	21	105	13	20	T
Acrolein (Propenal)	ug/L	100	110	112	39 - 155	120	116	4	20	T
Acetone	ug/L	20	21	103	39 - 160	21	105	2	20	T
1,1-Dichloroethylene	ug/L	20	18	89	71 - 131	19	93	4	20	T
Iodomethane (Methyl Iodid	ug/L	20	17	85	10 - 150	18	90	6	20	T
Acrylonitrile	ug/L	20	21	104	63 - 135	22	109	4	20	T
Methylene Chloride	ug/L	20	21	106	74 - 124	20	101	5	20	T
Carbon Disulfide	ug/L	20	17	83	64 - 133	17	87	5	20	T
trans-1,2-Dichloroethylene	ug/L	20	19	97	75 - 124	20	101	4	20	T
Methyl tert-butyl Ether (MT	ug/L	20	22	109	71 - 124	22	111	1	20	T
1,1-Dichloroethane	ug/L	20	20	102	77 - 125	21	104	3	20	T
Vinyl Acetate	ug/L	20	21	106	10 - 150	20	101	5	20	T
2-Butanone (MEK)	ug/L	20	23	116	56 - 143	20	101	13	20	T
cis-1,2-Dichloroethylene	ug/L	20	21	104	78 - 123	21	107	3	20	T
Bromochloromethane	ug/L	20	21	104	78 - 123	21	105	1	20	T
Chloroform	ug/L	20	20	102	79 - 124	21	104	3	20	T
2,2-Dichloropropane	ug/L	20	19	94	10 - 150	19	96	2	20	T
1,2-Dichloroethane	ug/L	20	19	96	73 - 128	20	99	3	20	T
1,1,1-Trichloroethane	ug/L	20	19	96	74 - 131	20	100	4	20	T

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FINAL

Workorder: Sydney Mine (T2415776)

QC Batch: MSVt/9648 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415776003, T2415776005, T2415776006, T2415776007, T2415776008, T2415776009

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,1-Dichloropropene	ug/L	20	21	105	79 - 125	21	106	1	20	T
Carbon Tetrachloride	ug/L	20	18	89	72 - 136	18	91	2	20	T
Benzene	ug/L	20	21	107	79 - 120	21	105	3	20	T
Dibromomethane	ug/L	20	22	110	79 - 123	22	112	2	20	T
1,2-Dichloropropane	ug/L	20	22	110	78 - 122	21	106	4	20	T
Trichloroethene	ug/L	20	21	104	79 - 123	22	110	5	20	T
Bromodichloromethane	ug/L	20	20	99	79 - 125	21	103	4	20	T
2-Chloroethyl Vinyl Ether	ug/L	20	21	104	10 - 150	19	96	8	20	T
cis-1,3-Dichloropropene	ug/L	20	21	105	75 - 124	22	109	3	20	T
4-Methyl-2-pentanone (MIB	ug/L	20	24	118	67 - 130	24	122	3	20	T
trans-1,3-Dichloropropylene	ug/L	20	20	102	73 - 127	22	108	6	20	T
1,1,2-Trichloroethane	ug/L	20	23	113	80 - 119	23	116	2	20	T
Toluene	ug/L	20	21	103	80 - 121	21	107	3	20	T
1,3-Dichloropropane	ug/L	20	21	105	80 - 119	22	109	3	20	T
2-Hexanone	ug/L	20	23	113	57 - 139	23	113	1	20	T
Dibromochloromethane	ug/L	20	18	90	74 - 126	19	97	7	20	T
Tetrachloroethylene (PCE)	ug/L	20	19	95	74 - 129	19	97	2	20	T
1,1,1,2-Tetrachloroethane	ug/L	20	18	92	78 - 124	19	96	4	20	T
Chlorobenzene	ug/L	20	20	99	82 - 118	20	100	0	20	T
Ethylbenzene	ug/L	20	21	105	79 - 121	22	108	3	20	T
Bromoform	ug/L	20	17	86	66 - 130	19	93	8	20	T
Styrene	ug/L	20	21	104	78 - 123	21	105	1	20	T
1,1,2,2-Tetrachloroethane	ug/L	20	22	108	71 - 121	22	110	2	20	T
Isopropylbenzene	ug/L	20	21	106	72 - 131	21	106	0	20	T
Bromobenzene	ug/L	20	21	107	80 - 120	22	110	3	20	T
n-propylbenzene	ug/L	20	21	106	76 - 126	22	109	2	20	T
2-Chlorotoluene	ug/L	20	21	106	79 - 122	21	106	0	20	T
4-Chlorotoluene	ug/L	20	21	105	78 - 122	22	108	2	20	T
1,3,5-Trimethylbenzene	ug/L	20	21	104	75 - 124	21	107	2	20	T
tert-butylbenzene	ug/L	20	21	105	78 - 124	21	106	2	20	T
1,2,4-Trimethylbenzene	ug/L	20	21	107	76 - 124	21	107	0	20	T
sec-butylbenzene	ug/L	20	21	104	77 - 126	21	107	3	20	T
1,3-Dichlorobenzene	ug/L	20	20	101	80 - 119	21	103	2	20	T

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FINAL

Workorder: Sydney Mine (T2415776)

QC Batch: MSVt/9648 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415776003, T2415776005, T2415776006, T2415776007, T2415776008, T2415776009

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,4-Dichlorobenzene	ug/L	20	20	100	79 - 118	20	101	1	20	T
1,2-Dichlorobenzene	ug/L	20	21	103	80 - 119	21	105	2	20	T
p-Isopropyltoluene	ug/L	20	21	104	77 - 127	21	106	2	20	T
n-Butylbenzene	ug/L	20	21	107	75 - 128	22	111	3	20	T
1,2,4-Trichlorobenzene	ug/L	20	20	99	69 - 130	21	104	5	20	T
Naphthalene	ug/L	20	21	106	61 - 128	23	113	6	20	T
Hexachlorobutadiene	ug/L	20	20	100	66 - 134	21	104	4	20	T
1,2,3-Trichlorobenzene	ug/L	20	20	100	69 - 129	21	104	4	20	T
Xylene (Total)	ug/L	60	63	105	79 - 121	64	107	2	20	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	43	87	70 - 128	43	87	0		T
Bromofluorobenzene (S)	ug/L	50	53	106	86 - 123	52	104	2		T
Toluene-d8 (S)	ug/L	50	50	100	77 - 119	50	100	0		T

Matrix Spike (5397213); Original (T2415619007); Parent Lab Sample (T2415619007)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	ug/L	20	19	94	32 - 152	T
Chloromethane	ug/L	20	19	94	50 - 139	T
Vinyl Chloride	ug/L	20	19	94	10 - 150	T
Bromomethane	ug/L	20	21	104	10 - 150	T
Chloroethane	ug/L	20	19	96	60 - 138	T
Trichlorofluoromethane	ug/L	20	19	93	65 - 141	T
Acrolein (Propenal)	ug/L	100	120	119	39 - 155	T
Acetone	ug/L	20	19	95	39 - 160	T
1,1-Dichloroethylene	ug/L	20	19	95	71 - 131	T
Iodomethane (Methyl Iodide)	ug/L	20	18	92	10 - 150	T
Acrylonitrile	ug/L	20	21	107	63 - 135	T
Methylene Chloride	ug/L	20	21	103	74 - 124	T
Carbon Disulfide	ug/L	20	18	89	64 - 133	T
trans-1,2-Dichloroethylene	ug/L	20	20	101	75 - 124	T
Methyl tert-butyl Ether (MTBE)	ug/L	20	22	112	71 - 124	T
1,1-Dichloroethane	ug/L	20	21	104	77 - 125	T

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Workorder: Sydney Mine (T2415776)

QC Batch: MSVt/9648 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415776003, T2415776005, T2415776006, T2415776007, T2415776008, T2415776009

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Vinyl Acetate	ug/L	20	17	86	54 - 146	T
2-Butanone (MEK)	ug/L	20	21	107	56 - 143	T
cis-1,2-Dichloroethylene	ug/L	20	21	106	78 - 123	T
Bromochloromethane	ug/L	20	22	109	78 - 123	T
Chloroform	ug/L	20	21	107	79 - 124	T
2,2-Dichloropropane	ug/L	20	19	97	10 - 150	T
1,2-Dichloroethane	ug/L	20	20	100	73 - 128	T
1,1,1-Trichloroethane	ug/L	20	21	103	74 - 131	T
1,1-Dichloropropene	ug/L	20	22	109	79 - 125	T
Carbon Tetrachloride	ug/L	20	19	93	72 - 136	T
Benzene	ug/L	20	22	112	79 - 120	T
Dibromomethane	ug/L	20	22	110	79 - 123	T
1,2-Dichloropropane	ug/L	20	23	115	78 - 122	T
Trichloroethene	ug/L	20	22	109	79 - 123	T
Bromodichloromethane	ug/L	20	21	104	79 - 125	T
2-Chloroethyl Vinyl Ether	ug/L	20	19	95	10 - 150	T
cis-1,3-Dichloropropene	ug/L	20	22	110	75 - 124	T
4-Methyl-2-pentanone (MIBK)	ug/L	20	24	121	67 - 130	T
trans-1,3-Dichloropropylene	ug/L	20	21	107	73 - 127	T
1,1,2-Trichloroethane	ug/L	20	23	115	80 - 119	T
Toluene	ug/L	20	22	109	80 - 121	T
1,3-Dichloropropane	ug/L	20	22	110	80 - 119	T
2-Hexanone	ug/L	20	23	114	57 - 139	T
Dibromochloromethane	ug/L	20	20	101	74 - 126	T
Tetrachloroethylene (PCE)	ug/L	20	20	98	74 - 129	T
1,1,1,2-Tetrachloroethane	ug/L	20	20	99	78 - 124	T
Chlorobenzene	ug/L	20	21	103	82 - 118	T
Ethylbenzene	ug/L	20	22	110	79 - 121	T
Bromoform	ug/L	20	19	94	66 - 130	T
Styrene	ug/L	20	22	108	78 - 123	T
1,1,2,2-Tetrachloroethane	ug/L	20	22	112	71 - 121	T
Isopropylbenzene	ug/L	20	21	107	72 - 131	T
Bromobenzene	ug/L	20	22	108	80 - 120	T
n-propylbenzene	ug/L	20	22	110	76 - 126	T

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Workorder: Sydney Mine (T2415776)

QC Batch: MSVt/9648 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415776003, T2415776005, T2415776006, T2415776007, T2415776008, T2415776009

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Chlorotoluene	ug/L	20	22	109	79 - 122	T
4-Chlorotoluene	ug/L	20	22	108	78 - 122	T
1,3,5-Trimethylbenzene	ug/L	20	21	107	75 - 124	T
tert-butylbenzene	ug/L	20	21	107	78 - 124	T
1,2,4-Trimethylbenzene	ug/L	20	22	110	76 - 124	T
sec-butylbenzene	ug/L	20	22	109	77 - 126	T
1,3-Dichlorobenzene	ug/L	20	21	104	80 - 119	T
1,4-Dichlorobenzene	ug/L	20	21	104	79 - 118	T
1,2-Dichlorobenzene	ug/L	20	21	107	80 - 119	T
p-Isopropyltoluene	ug/L	20	22	108	77 - 127	T
n-Butylbenzene	ug/L	20	22	111	75 - 128	T
1,2,4-Trichlorobenzene	ug/L	20	21	106	69 - 130	T
Naphthalene	ug/L	20	23	116	61 - 128	T
Hexachlorobutadiene	ug/L	20	21	104	66 - 134	T
1,2,3-Trichlorobenzene	ug/L	20	22	109	69 - 129	T
Xylene (Total)	ug/L	60	66	110	79 - 121	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	44	87	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	52	104	86 - 123	T
Toluene-d8 (S)	ug/L	50	50	100	77 - 119	T

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Workorder: Sydney Mine (T2415776)

QC Results

QC Batch: MSVt/9663
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415776001, T2415776002, T2415776004

Analysis Method: SW-846 8260D

Method Blank(5399706)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	T
Chloromethane	0.39 U	ug/L	1.0	0.39	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	T
Bromomethane	0.32 U	ug/L	1.0	0.32	T
Chloroethane	0.42 U	ug/L	1.0	0.42	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	T
Acetone	0.90 U	ug/L	2.0	0.90	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	T
Chloroform	0.37 U	ug/L	1.0	0.37	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	T
Benzene	0.28 U	ug/L	1.0	0.28	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	T

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Workorder: Sydney Mine (T2415776)

QC Batch: MSVt/9663
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415776001, T2415776002, T2415776004

Analysis Method: SW-846 8260D

Parameter	Results	Units	PQL	MDL	Lab
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	T
Toluene	0.66 U	ug/L	1.0	0.66	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	T
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	T
Bromoform	0.36 U	ug/L	1.0	0.36	T
Styrene	0.29 U	ug/L	1.0	0.29	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	T
Naphthalene	0.93 U	ug/L	1.0	0.93	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	T

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Workorder: Sydney Mine (T2415776)

QC Batch: MSVt/9663
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415776001, T2415776002, T2415776004

Analysis Method: SW-846 8260D

Parameter	Results	Units	PQL	MDL	Lab
Xylene (Total)	1.3 U	ug/L	2.0	1.3	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	42	84	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	54	107	86 - 123	T
Toluene-d8 (S)	ug/L	50	49	97	77 - 119	T

Lab Control Sample (5399707); Lab Control Sample Duplicate (5399708); Parent Lab Sample (T2415776001, T2415776002, T2415776004)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	ug/L	20	17	83	32 - 152	18	89	8	20	T
Chloromethane	ug/L	20	20	98	50 - 139	21	103	6	20	T
Vinyl Chloride	ug/L	20	19	97	58 - 137	21	107	10	20	T
Bromomethane	ug/L	20	21	104	10 - 150	21	105	1	20	T
Chloroethane	ug/L	20	19	97	60 - 138	21	105	8	20	T
Trichlorofluoromethane	ug/L	20	19	94	65 - 141	21	104	10	20	T
Acrolein (Propenal)	ug/L	100	91	91	39 - 155	100	101	10	20	T
Acetone	ug/L	20	17	85	39 - 160	19	94	9	20	T
1,1-Dichloroethylene	ug/L	20	16	81	71 - 131	18	91	12	20	T
Iodomethane (Methyl Iodid	ug/L	20	17	85	10 - 150	18	90	6	20	T
Acrylonitrile	ug/L	20	18	92	63 - 135	20	100	8	20	T
Methylene Chloride	ug/L	20	19	94	74 - 124	19	95	1	20	T
Carbon Disulfide	ug/L	20	14	71	64 - 133	16	81	13	20	T
trans-1,2-Dichloroethylene	ug/L	20	18	91	75 - 124	20	102	12	20	T
Methyl tert-butyl Ether (MT	ug/L	20	18	88	71 - 124	20	99	12	20	T
1,1-Dichloroethane	ug/L	20	19	93	77 - 125	21	103	10	20	T
Vinyl Acetate	ug/L	20	20	98	10 - 150	18	91	7	20	T
2-Butanone (MEK)	ug/L	20	18	90	56 - 143	20	98	9	20	T
cis-1,2-Dichloroethylene	ug/L	20	19	93	78 - 123	21	105	12	20	T
Bromochloromethane	ug/L	20	19	96	78 - 123	22	108	11	20	T
Chloroform	ug/L	20	19	96	79 - 124	22	109	12	20	T
2,2-Dichloropropane	ug/L	20	14	68	10 - 150	15	76	11	20	T
1,2-Dichloroethane	ug/L	20	17	85	73 - 128	19	96	12	20	T
1,1,1-Trichloroethane	ug/L	20	18	92	74 - 131	21	103	12	20	T
1,1-Dichloropropene	ug/L	20	19	95	79 - 125	22	109	14	20	T

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Workorder: Sydney Mine (T2415776)

QC Batch: MSVt/9663
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415776001, T2415776002, T2415776004

Analysis Method: SW-846 8260D

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Carbon Tetrachloride	ug/L	20	18	89	72 - 136	20	102	13	20	T
Benzene	ug/L	20	20	99	79 - 120	22	111	11	20	T
Dibromomethane	ug/L	20	20	100	79 - 123	22	112	11	20	T
1,2-Dichloropropane	ug/L	20	21	103	78 - 122	23	116	11	20	T
Trichloroethene	ug/L	20	23	113	79 - 123	25	123	8	20	T
Bromodichloromethane	ug/L	20	19	96	79 - 125	22	109	14	20	T
2-Chloroethyl Vinyl Ether	ug/L	20	26	130	10 - 150	29	146	12	20	T
cis-1,3-Dichloropropene	ug/L	20	19	95	75 - 124	21	107	11	20	T
4-Methyl-2-pentanone (MIB	ug/L	20	18	92	67 - 130	20	100	9	20	T
trans-1,3-Dichloropropylene	ug/L	20	18	92	73 - 127	20	102	10	20	T
1,1,2-Trichloroethane	ug/L	20	20	100	80 - 119	23	113	12	20	T
Toluene	ug/L	20	19	95	80 - 121	20	98	3	20	T
1,3-Dichloropropane	ug/L	20	19	93	80 - 119	19	93	1	20	T
2-Hexanone	ug/L	20	17	85	57 - 139	16	82	4	20	T
Dibromochloromethane	ug/L	20	18	89	74 - 126	18	91	2	20	T
Tetrachloroethylene (PCE)	ug/L	20	18	89	74 - 129	18	91	2	20	T
1,1,1,2-Tetrachloroethane	ug/L	20	18	91	78 - 124	19	93	3	20	T
Chlorobenzene	ug/L	20	18	92	82 - 118	19	93	1	20	T
Ethylbenzene	ug/L	20	19	96	79 - 121	20	98	2	20	T
Bromoform	ug/L	20	17	83	66 - 130	17	83	0	20	T
Styrene	ug/L	20	19	94	78 - 123	19	96	2	20	T
1,1,2,2-Tetrachloroethane	ug/L	20	15	75	71 - 121	16	80	6	20	T
Isopropylbenzene	ug/L	20	19	94	72 - 131	19	96	2	20	T
Bromobenzene	ug/L	20	18	92	80 - 120	19	95	4	20	T
n-propylbenzene	ug/L	20	19	96	76 - 126	19	97	1	20	T
2-Chlorotoluene	ug/L	20	19	96	79 - 122	20	98	2	20	T
4-Chlorotoluene	ug/L	20	19	95	78 - 122	19	97	2	20	T
1,3,5-Trimethylbenzene	ug/L	20	19	94	75 - 124	19	96	2	20	T
tert-butylbenzene	ug/L	20	19	97	78 - 124	20	98	1	20	T
1,2,4-Trimethylbenzene	ug/L	20	19	94	76 - 124	20	98	4	20	T
sec-butylbenzene	ug/L	20	19	96	77 - 126	20	98	2	20	T
1,3-Dichlorobenzene	ug/L	20	19	94	80 - 119	19	95	2	20	T
1,4-Dichlorobenzene	ug/L	20	18	91	79 - 118	19	93	2	20	T

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Workorder: Sydney Mine (T2415776)

QC Batch: MSVt/9663
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415776001, T2415776002, T2415776004

Analysis Method: SW-846 8260D

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichlorobenzene	ug/L	20	18	92	80 - 119	18	92	0	20	T
p-Isopropyltoluene	ug/L	20	19	96	77 - 127	20	98	3	20	T
n-Butylbenzene	ug/L	20	19	97	75 - 128	20	99	2	20	T
1,2,4-Trichlorobenzene	ug/L	20	16	80	69 - 130	16	81	2	20	T
Naphthalene	ug/L	20	15	73	61 - 128	15	77	5	20	T
Hexachlorobutadiene	ug/L	20	17	87	66 - 134	18	89	3	20	T
1,2,3-Trichlorobenzene	ug/L	20	14	72	69 - 129	15	74	2	20	T
Xylene (Total)	ug/L	60	58	96	79 - 121	59	98	1	20	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	42	85	70 - 128	47	93	9		T
Bromofluorobenzene (S)	ug/L	50	50	100	86 - 123	51	102	2		T
Toluene-d8 (S)	ug/L	50	48	96	77 - 119	48	97	1		T

Matrix Spike (5399709); Original (T2415927005); Parent Lab Sample (T2415927005)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	ug/L	20	17	86	32 - 152	T
Chloromethane	ug/L	20	19	96	50 - 139	T
Vinyl Chloride	ug/L	20	20	102	10 - 150	T
Bromomethane	ug/L	20	22	109	10 - 150	T
Chloroethane	ug/L	20	20	99	60 - 138	T
Trichlorofluoromethane	ug/L	20	20	101	65 - 141	T
Acrolein (Propenal)	ug/L	100	97	97	39 - 155	T
Acetone	ug/L	20	18	92	39 - 160	T
1,1-Dichloroethylene	ug/L	20	17	87	71 - 131	T
Iodomethane (Methyl Iodide)	ug/L	20	18	89	10 - 150	T
Acrylonitrile	ug/L	20	20	101	63 - 135	T
Methylene Chloride	ug/L	20	16	81	74 - 124	T
Carbon Disulfide	ug/L	20	19	97	64 - 133	T
trans-1,2-Dichloroethylene	ug/L	20	19	97	75 - 124	T
Methyl tert-butyl Ether (MTBE)	ug/L	20	19	94	71 - 124	T
1,1-Dichloroethane	ug/L	20	20	100	77 - 125	T
Vinyl Acetate	ug/L	20	19	95	54 - 146	T

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FINAL

Workorder: Sydney Mine (T2415776)

QC Batch: MSVt/9663
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415776001, T2415776002, T2415776004

Analysis Method: SW-846 8260D

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Butanone (MEK)	ug/L	20	19	96	56 - 143	T
cis-1,2-Dichloroethylene	ug/L	20	20	99	78 - 123	T
Bromochloromethane	ug/L	20	21	103	78 - 123	T
Chloroform	ug/L	20	21	103	79 - 124	T
2,2-Dichloropropane	ug/L	20	17	87	10 - 150	T
1,2-Dichloroethane	ug/L	20	18	92	73 - 128	T
1,1,1-Trichloroethane	ug/L	20	20	98	74 - 131	T
1,1-Dichloropropene	ug/L	20	21	104	79 - 125	T
Carbon Tetrachloride	ug/L	20	19	96	72 - 136	T
Benzene	ug/L	20	21	106	79 - 120	T
Dibromomethane	ug/L	20	21	107	79 - 123	T
1,2-Dichloropropane	ug/L	20	22	109	78 - 122	T
Trichloroethene	ug/L	20	19	94	79 - 123	T
Bromodichloromethane	ug/L	20	21	103	79 - 125	T
2-Chloroethyl Vinyl Ether	ug/L	20	28	139	10 - 150	T
cis-1,3-Dichloropropene	ug/L	20	20	102	75 - 124	T
4-Methyl-2-pentanone (MIBK)	ug/L	20	20	99	67 - 130	T
trans-1,3-Dichloropropylene	ug/L	20	20	98	73 - 127	T
1,1,2-Trichloroethane	ug/L	20	21	106	80 - 119	T
Toluene	ug/L	20	20	102	80 - 121	T
1,3-Dichloropropane	ug/L	20	20	98	80 - 119	T
2-Hexanone	ug/L	20	18	89	57 - 139	T
Dibromochloromethane	ug/L	20	19	96	74 - 126	T
Tetrachloroethylene (PCE)	ug/L	20	19	93	74 - 129	T
1,1,1,2-Tetrachloroethane	ug/L	20	20	98	78 - 124	T
Chlorobenzene	ug/L	20	20	99	82 - 118	T
Ethylbenzene	ug/L	20	21	103	79 - 121	T
Bromoform	ug/L	20	18	91	66 - 130	T
Styrene	ug/L	20	20	101	78 - 123	T
1,1,2,2-Tetrachloroethane	ug/L	20	16	79	71 - 121	T
Isopropylbenzene	ug/L	20	20	102	72 - 131	T
Bromobenzene	ug/L	20	20	100	80 - 120	T
n-propylbenzene	ug/L	20	21	104	76 - 126	T
2-Chlorotoluene	ug/L	20	20	101	79 - 122	T

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

Workorder: Sydney Mine (T2415776)

QC Batch: MSVt/9663
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415776001, T2415776002, T2415776004

Analysis Method: SW-846 8260D

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
4-Chlorotoluene	ug/L	20	21	103	78 - 122	T
1,3,5-Trimethylbenzene	ug/L	20	20	101	75 - 124	T
tert-butylbenzene	ug/L	20	21	104	78 - 124	T
1,2,4-Trimethylbenzene	ug/L	20	20	102	76 - 124	T
sec-butylbenzene	ug/L	20	21	104	77 - 126	T
1,3-Dichlorobenzene	ug/L	20	20	100	80 - 119	T
1,4-Dichlorobenzene	ug/L	20	20	98	79 - 118	T
1,2-Dichlorobenzene	ug/L	20	20	99	80 - 119	T
p-Isopropyltoluene	ug/L	20	21	105	77 - 127	T
n-Butylbenzene	ug/L	20	20	102	75 - 128	T
1,2,4-Trichlorobenzene	ug/L	20	18	88	69 - 130	T
Naphthalene	ug/L	20	17	84	61 - 128	T
Hexachlorobutadiene	ug/L	20	19	93	66 - 134	T
1,2,3-Trichlorobenzene	ug/L	20	16	82	69 - 129	T
Xylene (Total)	ug/L	60	62	103	79 - 121	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	42	85	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	51	102	86 - 123	T
Toluene-d8 (S)	ug/L	50	49	97	77 - 119	T

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FINAL

Workorder: Sydney Mine (T2415776)

QC Results

QC Batch: MSVt/9665
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415776001, T2415776002, T2415776004

Analysis Method: SW-846 8260D (SIM)

Method Blank(5400658)

Parameter	Results	Units	PQL	MDL	Lab
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	49	99	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	53	107	86 - 123	T
Toluene-d8 (S)	ug/L	50	47	94	77 - 119	T

Lab Control Sample (5400659); Lab Control Sample Duplicate (5400660); Parent Lab Sample (T2415776001, T2415776002, T2415776004)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Ethylene Dibromide (EDB)	ug/L	0.80	0.89	111	77 - 121	0.81	101	10	20	T
1,2-Dibromo-3-Chloropropa	ug/L	0.80	0.7	88	62 - 128	0.71	89	1	20	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	49	98	70 - 128	49	98	0		T
Bromofluorobenzene (S)	ug/L	50	54	109	86 - 123	54	108	0		T
Toluene-d8 (S)	ug/L	50	57	113	77 - 119	52	104	9		T

Matrix Spike (5400661); Original (T2415927005); Parent Lab Sample (T2415927005)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Ethylene Dibromide (EDB)	ug/L	0.80	0.69	86	77 - 121	T
1,2-Dibromo-3-Chloropropane	ug/L	0.80	0.71	89	62 - 128	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	49	98	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	T
Toluene-d8 (S)	ug/L	50	56	111	77 - 119	T

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FINAL

Workorder: Sydney Mine (T2415776)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MSVt/9646 - SW-846 8260D (SIM)			
T2415776003	BV-3	MSVt/9645	SW-846 5030B
T2415776005	BV-27	MSVt/9645	SW-846 5030B
T2415776006	BV-6	MSVt/9645	SW-846 5030B
T2415776007	BV-19	MSVt/9645	SW-846 5030B
T2415776008	BV-8	MSVt/9645	SW-846 5030B
T2415776009	DUPLICATE	MSVt/9645	SW-846 5030B
MSVt/9648 - SW-846 8260D			
T2415776003	BV-3	MSVt/9647	SW-846 5030B
T2415776005	BV-27	MSVt/9647	SW-846 5030B
T2415776006	BV-6	MSVt/9647	SW-846 5030B
T2415776007	BV-19	MSVt/9647	SW-846 5030B
T2415776008	BV-8	MSVt/9647	SW-846 5030B
T2415776009	DUPLICATE	MSVt/9647	SW-846 5030B
MSVt/9663 - SW-846 8260D			
T2415776001	TRIP BLANK	MSVt/9662	SW-846 5030B
T2415776002	BV-18	MSVt/9662	SW-846 5030B
T2415776004	HW-2	MSVt/9662	SW-846 5030B
MSVt/9665 - SW-846 8260D (SIM)			
T2415776001	TRIP BLANK	MSVt/9664	SW-846 5030B
T2415776002	BV-18	MSVt/9664	SW-846 5030B
T2415776004	HW-2	MSVt/9664	SW-846 5030B

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☐ Jacksonville: 6681 Southpoint Pkwy., FL 32216 • 904.363.9350 • Lab ID: E82574
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☐ Miramar: 10200 USA Today Way, FL 33025 • 954.889.2288 • Lab ID: E82535
☒ Tampa: 9610 Princess Palm Ave., FL 33619 • 813.630.9616 • Lab ID: E84589

Client Name: Hills. Co. Public Utilities		Project Name: Sydney Mine Superfund Site		BOTTLE SIZE & TYPE		ANALYSIS REQUIRED		EPA Method 8260 & 8260 SIM		LABORATORY I.D. NUMBER			
Address: 332 North Falkenburg Rd		Project Number: N/A											
Tampa, Florida 33619		PO Number: N/A											
Phone: (813) 663-3222		FDEP Facility No:											
FAX: (813) 274-6801		FDEP Facility Addr:											
Contact: Michael Townsel		Dover, FL											
Sampled By: J D A M M C H		Special Instructions:											
Turn Around Time: Standard		Rush											
AEL Profile #:		ADaPT		EQUIS		Other							
SAMPLE ID		SAMPLE DESCRIPTION		Grab Comp		SAMPLING DATE		TIME		MATRIX		NO. COUNT	
	Trip Blank		1		7/9/2024		1				DI		3
	BV-18		G				801				GW		3
	BV-3		G				1049				GW		3
	HW-2		G				1311				GW		3
	BV-27		G				717				GW		3
	BV-6		G				1034				GW		3
	BV-19		G				839				GW		3
	BV-8		G				1240				GW		3
	Duplicate		G				1				GW		3
			7/9				7/9						



Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge Preservation Code: I = ice H=(HCl) S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)

Received on ice ☐ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked

Temp. when received (observed) _____ °C Temp. when received (corrected) _____ °C

DCN: AD-D051web Form last revised 08/07/2019 Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V F: 1A

Relinquished by:		Received by:	
1 Julia Detwiler	7/9 1359	7/9 1400	
2			
3			
4			

FOR DRINKING WATER USE:

(When PWS Information not otherwise supplied) PWS ID: _____

Contact Person: _____

Supplier of Water: _____

Site-Address: _____

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: HW-2	SAMPLE ID: HW-224060186-30	DATE: 7/9/2024	

PURGING DATA

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 97.39 feet to 107.39 feet	STATIC DEPTH TO WATER (feet): 45.85	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (107.39 feet - 45.85 feet) X 0.65 gallons/foot = 40 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 106.39	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 106.39	PURGING INITIATED AT: 1056	PURGING ENDED AT: 1311	TOTAL VOLUME PURGED (gallons): 60.75							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1225	40.05	40.05	0.45	45.90	6.86	23.9	649	0.23/2.7	1.82	clear	None
1248	10.35	50.40	0.45	45.90	6.81	23.9	649	0.17/2.0	0.99	↓	↓
1311	10.35	60.75	0.45	45.90	6.82	24.0	650	0.22/2.6	1.02	↓	↓
JD 7/9/2024											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JD AM CH				SAMPLER(S) SIGNATURE(S): <i>Quilley / McAllen</i>				SAMPLING INITIATED AT: 1311		SAMPLING ENDED AT: 1315	
PUMP OR TUBING DEPTH IN WELL (feet): 106.39				TUBING MATERIAL CODE: T				FIELD-FILTERED: Y (N)		FILTER SIZE: ____ μm	
FIELD DECONTAMINATION: PUMP Y N (Dedicated)				TUBING Y N (Dedicated)				DUPLICATE: Y (N)			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
							NOC				400
SEE C.O.C. FOR SAMPLE ANALYSIS											
ORP: 1225 (-71.7) 1248 (-73.6) 1311 (-72.1)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: BV-18	SAMPLE ID: BV-18 24060186-14	DATE: 7/9/2024	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 37.82 feet to 47.82 feet	STATIC DEPTH TO WATER (feet): 21.93	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (47.82 feet - 21.93 feet) X 0.16 gallons/foot = 4.15 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 46.82	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 46.82	PURGING INITIATED AT: 657	PURGING ENDED AT: 801	TOTAL VOLUME PURGED (gallons): 6.4							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
739	4.2	4.2	0.1	22.11	5.51	24.3	154.0	1.83 / 21.9	15.1	clear	None
750	1.1	5.3	0.1	22.11	5.54	24.4	154.5	1.88 / 22.5	15.6	↓	↓
801	1.1	6.4	0.1	22.11	5.48	24.4	154.7	1.71 / 20.5	11.5	↓	↓
JD 7/9/2024											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JD AM CH				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>				SAMPLING INITIATED AT: 801		SAMPLING ENDED AT: 803	
PUMP OR TUBING DEPTH IN WELL (feet): 46.82				TUBING MATERIAL CODE: T				FIELD-FILTERED: Y (N)		FILTER SIZE: _____ μm	
FIELD DECONTAMINATION: PUMP Y N (Dedicated)				TUBING Y N (Dedicated)				DUPLICATE: Y (N)			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	VOC		400		
SEE C.O.C. FOR SAMPLE ANALYSIS											
ORP: 739(45.8) 750(51.7) 801(46.3)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: BV-3	SAMPLE ID: BV-3 2406 6186-02	DATE: 7/9/2024	

PURGING DATA

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 49.50 feet to 59.50 feet	STATIC DEPTH TO WATER (feet): 22.17	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (59.50 feet - 22.17 feet) X 0.65 gallons/foot = 24.27 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 58.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 58.50	PURGING INITIATED AT: 815	PURGING ENDED AT: 1049	TOTAL VOLUME PURGED (gallons): 36.96							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
957	24.48	24.48	0.24	24.36	5.71	24.5	286.1	0.10 / 1.2	12.7	clear	None
1023	6.24	30.72	0.24	24.36	5.80	24.5	290.1	0.12 / 1.4	9.01	↓	↓
1049	6.24	36.96	0.24	24.36	5.73	24.6	296.1	0.09 / 1.1	5.90	↓	↓
JD 7/9/2024											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JD AM CH				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>				SAMPLING INITIATED AT: 1049		SAMPLING ENDED AT: 1053	
PUMP OR TUBING DEPTH IN WELL (feet): 58.50				TUBING MATERIAL CODE: T				FIELD-FILTERED: Y (N)		FILTER SIZE: _____ μm	
FIELD DECONTAMINATION: PUMP Y N (Dedicated)				TUBING Y N (Dedicated)				DUPLICATE: Y (N)			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
SEE C.O.C. FOR SAMPLE ANALYSIS											
ORP: 957(8.1) 1023(9.1) 1049(8.8)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

PURGING DATA

SAMPLING DATA

SEE COC FOR ANALYSIS ← ORP: N/A

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

DEP-SOP-001/01
FS 2200 Groundwater Sampling

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: BV - 27	SAMPLE ID: BV - 27	DATE: 7/9/24	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 53.33 feet to 63.33 feet	STATIC DEPTH TO WATER (feet): 31.75	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (63.33 feet - 31.75 feet) X 0.16 gallons/foot = 5.06 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 62.33	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 62.33	PURGING INITIATED AT: 644	PURGING ENDED AT: 717	TOTAL VOLUME PURGED (gallons): 8.25							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μ mhos/cm or μ S/cm	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
705	5.25	5.25	.25	31.79	6.56	23.7	388.8	2.21 / 26.1	5.86	Clear	None
711	1.50	6.75	.25	31.79	6.57	23.7	386.5	2.13 / 25.1	4.83	Clear	None
717	1.50	8.25	.25	31.79	6.56	23.7	382.0	2.12 / 25.1	4.16	Clear	None
M.M 7/9/24											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: M. Morales				SAMPLER(S) SIGNATURE(S): M. Morales				SAMPLING INITIATED AT: 717		SAMPLING ENDED AT: 722	
PUMP OR TUBING DEPTH IN WELL (feet): 62.33				TUBING MATERIAL CODE: T				FIELD-FILTERED: Y (N)		FILTER SIZE: <u> </u> μ m	
FIELD DECONTAMINATION: PUMP Y N (Dedicated)				TUBING Y N (Dedicated)				DUPLICATE: Y (N)			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
							VOC		400		
SEE C.O.C. FOR SAMPLE ANALYSIS											
ORP: 705 (-36.6) 711 (-37.4) 717 (-36.7)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

DEP-SOP-001/01
FS 2200 Groundwater Sampling

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: BV - 19	SAMPLE ID: BV - 19	DATE: 7/9/24	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 30.47 feet to 40.47 feet	STATIC DEPTH TO WATER (feet): 32.02	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (40.47 feet - 32.02 feet) X 0.16 gallons/foot = 1.36 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 39.47	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 39.47	PURGING INITIATED AT: 739	PURGING ENDED AT: 839	TOTAL VOLUME PURGED (gallons): 12.00							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
746	1.40	1.40	0.20	35.65	12.02	23.3	4834	4.25 / 50.0	51.0	Cloudy	None
753	1.40	2.80	0.20	36.12	12.00	23.6	4541	3.80 / 45.5	52.2	Cloudy	None
800	1.40	4.20	0.20	36.20	11.81	23.8	2622	336 / 40.3	200	Cloudy	None
807	1.40	5.60	0.20	36.22	11.52	23.8	1431	2.96 / 35.2	278	Cloudy	None
814	1.40	7.00	0.20	36.25	9.91	24.0	268.9	2.50 / 29.7	159	Cloudy	None
821	1.40	8.40	0.20	36.27	9.16	24.0	331.6	2.45 / 29.2	104	Cloudy	None
828	1.40	9.80	0.20	36.27	7.02	24.0	369.9	2.13 / 25.3	43.6	Cloudy	None
835	1.40	11.20	0.20	36.27	6.74	24.1	362.6	2.27 / 27.1	9.44	Clear	None
837	.40	11.60	0.20	36.27	6.71	24.0	359.3	2.36 / 28.0	8.09	Clear	None
839	.40	12.00	0.20	36.27	6.66	24.0	355.9	2.33 / 27.4	5.61	Clear	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: M. Morales				SAMPLER(S) SIGNATURE(S): M. Morales				SAMPLING INITIATED AT: 839		SAMPLING ENDED AT: 844	
PUMP OR TUBING DEPTH IN WELL (feet): 39.47				TUBING MATERIAL CODE: T		FIELD-FILTERED: Y ☒ N ☐		FILTER SIZE: ____ μm			
FIELD DECONTAMINATION: PUMP Y N ☒ Dedicated				TUBING Y N ☒ Dedicated		DUPLICATE: Y ☒ N ☐					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	Voc		400		
SEE C.O.C. FOR SAMPLE ANALYSIS											
ORP: 835 (31.1) 837 (30.7) 839 (30.1) 746 (39.8) 753 (48.1) 800 (57.3) 807 (66.7) 814 (91.7) 821 (93.9) 828 (35.6)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

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

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

DEP-SOP-001/01
FS 2200 Groundwater Sampling

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: BV-6	SAMPLE ID: BV-6	DATE: 7/9/27	

PURGING DATA

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 46.70 feet to 56.70 feet	STATIC DEPTH TO WATER (feet): 26.76	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (56.70 feet - 26.76 feet) X 0.65 gallons/foot = 19.47 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 55.70	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 55.70	PURGING INITIATED AT: 855	PURGING ENDED AT: 1034	TOTAL VOLUME PURGED (gallons): 29.70							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or S/cm	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1000	19.50	19.50	0.30	28.11	6.21	24.7	366.9	0.51 / 6.2	7.61	Clear	None
1017	5.10	24.60	0.30	28.11	6.27	24.7	371.5	0.64 / 7.7	5.38	Clear	None
1034	5.10	29.70	0.30	28.11	6.29	24.7	380.1	0.60 / 7.3	3.69	Clear	None
M.M. 7/9/24											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: M. Morales				SAMPLER(S) SIGNATURE(S): M. Morales				SAMPLING INITIATED AT: 1034		SAMPLING ENDED AT: 1039	
PUMP OR TUBING DEPTH IN WELL (feet): 55.70				TUBING MATERIAL CODE: T				FIELD-FILTERED: Y (N)		FILTER SIZE: ____ μm	
FIELD DECONTAMINATION: PUMP Y N (Dedicated)				TUBING Y N (Dedicated)				DUPLICATE: Y (N)			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	VOC		400		
SEE C.O.C. FOR SAMPLE ANALYSIS											
ORP: 1000 (-14.0) 1017 (-18.8) 1034 (-22.3)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

DEP-SOP-001/01
FS 2200 Groundwater Sampling

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: BV-8	SAMPLE ID: BV-8	DATE: 7/9/24	

PURGING DATA

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 59.85 feet to 69.85 feet	STATIC DEPTH TO WATER (feet): 20.30	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (69.85 feet - 20.30 feet) X 0.65 gallons/foot = 32.21 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 68.85	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 68.85	PURGING INITIATED AT: 1052	PURGING ENDED AT: 1240	TOTAL VOLUME PURGED (gallons): 48.60							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1204	32.40	32.40	.45	29.58	6.64	24.1	575	0.11 / 1.3	2.99	Clear	None
1222	8.10	40.50	.45	29.58	6.70	24.1	582	0.12 / 1.4	3.83	Clear	None
1240	8.10	48.60	.45	29.58	6.71	24.0	590	0.11 / 1.3	3.64	Clear	None
M.M. 7/9/24											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: M. Morales				SAMPLER(S) SIGNATURE(S): M. Morales				SAMPLING INITIATED AT: 1240		SAMPLING ENDED AT: 1245	
PUMP OR TUBING DEPTH IN WELL (feet): 68.85				TUBING MATERIAL CODE: T				FIELD-FILTERED: Y ☒ N ☐		FILTER SIZE: ____ μm	
FIELD DECONTAMINATION: PUMP Y ☐ N ☒ Dedicated				TUBING Y ☐ N ☒ Dedicated				DUPLICATE: Y ☐ N ☒			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
							VOC		400		
SEE C.O.C. FOR SAMPLE ANALYSIS											
ORP: 1204 (-50.6) 1222 (-53.4) 1240 (-55.0)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

Revision Date: February 1, 2004



Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: Sydney Mine (T2415927)

August 01, 2024

Michael Townsel
Hillsborough Co Public Utilities
332 North Falkenburg Rd
Tampa, FL 33619

RE: Workorder: T2415927 Sydney Mine (

Dear Michael Townsel:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday July 10, 2024. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

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

Sincerely,

Heidi Parker, Project Manager
HParker@aellab.com

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FINAL

Workorder: Sydney Mine (T2415927)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
T2415927001	TRIP BLANK	WA	SW-846 8260D	07/10/2024 00:00	07/10/2024 15:52	66	NA
T2415927001	TRIP BLANK	WA	SW-846 8260D (SIM)	07/10/2024 00:00	07/10/2024 15:52	3	NA
T2415927002	P-5	WA	Field Measurements	07/10/2024 08:31	07/10/2024 14:15	6	NA
T2415927002	P-5	WA	SW-846 8260D	07/10/2024 08:31	07/10/2024 14:15	66	NA
T2415927002	P-5	WA	SW-846 8260D (SIM)	07/10/2024 08:31	07/10/2024 14:15	3	NA
T2415927003	OPRW-12	WA	Field Measurements	07/10/2024 09:33	07/10/2024 14:15	6	NA
T2415927003	OPRW-12	WA	SW-846 8260D	07/10/2024 09:33	07/10/2024 14:15	66	NA
T2415927003	OPRW-12	WA	SW-846 8260D (SIM)	07/10/2024 09:33	07/10/2024 14:15	3	NA
T2415927004	SRW-4	WA	Field Measurements	07/10/2024 10:30	07/10/2024 14:15	6	NA
T2415927004	SRW-4	WA	SW-846 8260D	07/10/2024 10:30	07/10/2024 14:15	66	NA
T2415927004	SRW-4	WA	SW-846 8260D (SIM)	07/10/2024 10:30	07/10/2024 14:15	3	NA
T2415927005	NDW-6	WA	Field Measurements	07/10/2024 11:58	07/10/2024 14:15	6	NA
T2415927005	NDW-6	WA	SW-846 8260D	07/10/2024 11:58	07/10/2024 14:15	66	NA
T2415927005	NDW-6	WA	SW-846 8260D (SIM)	07/10/2024 11:58	07/10/2024 14:15	3	NA
T2415927006	SRW-2	WA	Field Measurements	07/10/2024 12:59	07/10/2024 14:15	6	NA
T2415927006	SRW-2	WA	SW-846 8260D	07/10/2024 12:59	07/10/2024 14:15	66	NA
T2415927006	SRW-2	WA	SW-846 8260D (SIM)	07/10/2024 12:59	07/10/2024 14:15	3	NA
T2415927007	FIELD BLANK	WA	SW-846 8260D	07/10/2024 12:30	07/10/2024 14:15	66	NA
T2415927007	FIELD BLANK	WA	SW-846 8260D (SIM)	07/10/2024 12:30	07/10/2024 14:15	3	NA
T2415927008	BVR-4	WA	Field Measurements	07/10/2024 09:42	07/10/2024 14:15	6	NA
T2415927008	BVR-4	WA	SW-846 8260D	07/10/2024 09:42	07/10/2024 14:15	66	NA
T2415927008	BVR-4	WA	SW-846 8260D (SIM)	07/10/2024 09:42	07/10/2024 14:15	3	NA
T2415927009	BV-14	WA	Field Measurements	07/10/2024 10:58	07/10/2024 14:15	6	NA
T2415927009	BV-14	WA	SW-846 8260D	07/10/2024 10:58	07/10/2024 14:15	66	NA
T2415927009	BV-14	WA	SW-846 8260D (SIM)	07/10/2024 10:58	07/10/2024 14:15	3	NA
T2415927010	BV-13	WA	Field Measurements	07/10/2024 11:38	07/10/2024 14:15	6	NA
T2415927010	BV-13	WA	SW-846 8260D	07/10/2024 11:38	07/10/2024 14:15	66	NA
T2415927010	BV-13	WA	SW-846 8260D (SIM)	07/10/2024 11:38	07/10/2024 14:15	3	NA
T2415927011	ND-3D	WA	Field Measurements	07/10/2024 12:00	07/10/2024 14:15	6	NA
T2415927011	ND-3D	WA	SW-846 8260D	07/10/2024 12:00	07/10/2024 14:15	66	NA
T2415927011	ND-3D	WA	SW-846 8260D (SIM)	07/10/2024 12:00	07/10/2024 14:15	3	NA
T2415927012	BV-1	WA	Field Measurements	07/10/2024 13:28	07/10/2024 14:15	6	NA
T2415927012	BV-1	WA	SW-846 8260D	07/10/2024 13:28	07/10/2024 14:15	66	NA
T2415927012	BV-1	WA	SW-846 8260D (SIM)	07/10/2024 13:28	07/10/2024 14:15	3	NA

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Workorder: Sydney Mine (T2415927)

Analytical Results Qualifiers

Parameter Qualifiers

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

Lab Qualifiers

- | | |
|----|--|
| T^ | Not Certified |
| T | DOH Certification #E84589 (FL NELAC) AEL-Tampa |

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID:	T2415927001	Date Collected:	07/10/2024 00:00			Matrix:	Water		
Sample ID:	TRIP BLANK	Date Received:	07/10/2024 15:52						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))									
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/19/2024 04:22	07/19/2024 08:10	T	
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/19/2024 04:22	07/19/2024 08:10	T	
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/19/2024 04:22	07/19/2024 08:10	T	
VOLATILES (SW-846 5030B/SW-846 8260D)									
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/19/2024 04:22	07/19/2024 08:10	T	
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 08:10	T	
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/19/2024 04:22	07/19/2024 08:10	T	
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 08:10	T	
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 08:10	T	
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 08:10	T	
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 08:10	T	
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 08:10	T	
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/19/2024 04:22	07/19/2024 08:10	T	
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 08:10	T	
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 08:10	T	
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 08:10	T	
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/19/2024 04:22	07/19/2024 08:10	T	
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 08:10	T	
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 08:10	T	
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 08:10	T	
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 08:10	T	
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 08:10	T	
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 08:10	T	
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/19/2024 04:22	07/19/2024 08:10	T	
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 08:10	T	
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 08:10	T	





FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927001
Sample ID: TRIP BLANK

Date Collected: 07/10/2024 00:00
Date Received: 07/10/2024 15:52

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 08:10	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 08:10	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/19/2024 04:22	07/19/2024 08:10	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/19/2024 04:22	07/19/2024 08:10	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/19/2024 04:22	07/19/2024 08:10	T
Benzene	0.28 U	ug/L	1.0	0.28	1	07/19/2024 04:22	07/19/2024 08:10	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 08:10	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 08:10	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 08:10	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 08:10	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 08:10	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 08:10	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 08:10	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 08:10	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 08:10	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 08:10	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 08:10	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 08:10	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 08:10	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/19/2024 04:22	07/19/2024 08:10	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 08:10	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 08:10	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/19/2024 04:22	07/19/2024 08:10	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 08:10	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/19/2024 04:22	07/19/2024 08:10	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 08:10	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/19/2024 04:22	07/19/2024 08:10	T

Thursday, August 1, 2024 4:01:02 PM
Dates and times are displayed using (-04:00)
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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927001
Sample ID: TRIP BLANK

Date Collected: 07/10/2024 00:00
Date Received: 07/10/2024 15:52

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Styrene	0.29 U	ug/L	1.0	0.29	1	07/19/2024 04:22	07/19/2024 08:10	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 08:10	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/19/2024 04:22	07/19/2024 08:10	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 08:10	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 08:10	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 08:10	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 08:10	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/19/2024 04:22	07/19/2024 08:10	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 08:10	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 08:10	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/19/2024 04:22	07/19/2024 08:10	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 08:10	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/19/2024 04:22	07/19/2024 08:10	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 08:10	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 08:10	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 08:10	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 08:10	T

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Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	49	99	70 - 128	T
Toluene-d8 (S)	ug/L	50	45	91	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	107	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	42	83	70 - 128	T
Toluene-d8 (S)	ug/L	50	49	99	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	107	86 - 123	T

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Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927002	Date Collected: 07/10/2024 08:31			Matrix: Water				
Sample ID: P-5	Date Received: 07/10/2024 14:15							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	621	umhos/cm			1	07/10/2024 08:31	07/10/2024 08:31	
Dissolved Oxygen	0.15	mg/L			1	07/10/2024 08:31	07/10/2024 08:31	
ORP-2580BW	-92.9	mV			1	07/10/2024 08:31	07/10/2024 08:31	
Temperature	23.7	°C			1	07/10/2024 08:31	07/10/2024 08:31	
Turbidity	2.58	NTU			1	07/10/2024 08:31	07/10/2024 08:31	
pH	6.98	SU			1	07/10/2024 08:31	07/10/2024 08:31	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/19/2024 04:22	07/19/2024 10:38	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/19/2024 04:22	07/19/2024 10:38	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/19/2024 04:22	07/19/2024 10:38	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/19/2024 04:22	07/19/2024 10:38	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 10:38	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/19/2024 04:22	07/19/2024 10:38	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 10:38	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 10:38	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 10:38	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 10:38	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 10:38	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/19/2024 04:22	07/19/2024 10:38	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 10:38	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 10:38	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 10:38	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/19/2024 04:22	07/19/2024 10:38	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 10:38	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 10:38	T





FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927002
Sample ID: P-5

Date Collected: 07/10/2024 08:31
Date Received: 07/10/2024 14:15

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 10:38	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 10:38	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 10:38	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 10:38	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/19/2024 04:22	07/19/2024 10:38	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 10:38	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 10:38	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 10:38	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 10:38	T
Acetone	26	ug/L	2.0	0.90	1	07/19/2024 04:22	07/19/2024 10:38	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/19/2024 04:22	07/19/2024 10:38	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/19/2024 04:22	07/19/2024 10:38	T
Benzene	0.28 U	ug/L	1.0	0.28	1	07/19/2024 04:22	07/19/2024 10:38	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 10:38	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 10:38	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 10:38	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 10:38	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 10:38	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 10:38	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 10:38	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 10:38	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 10:38	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 10:38	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 10:38	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 10:38	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 10:38	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/19/2024 04:22	07/19/2024 10:38	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927002
Sample ID: P-5

Date Collected: 07/10/2024 08:31
Date Received: 07/10/2024 14:15

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 10:38	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 10:38	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/19/2024 04:22	07/19/2024 10:38	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 10:38	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/19/2024 04:22	07/19/2024 10:38	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 10:38	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/19/2024 04:22	07/19/2024 10:38	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/19/2024 04:22	07/19/2024 10:38	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 10:38	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/19/2024 04:22	07/19/2024 10:38	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 10:38	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 10:38	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 10:38	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 10:38	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/19/2024 04:22	07/19/2024 10:38	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 10:38	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 10:38	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/19/2024 04:22	07/19/2024 10:38	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 10:38	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/19/2024 04:22	07/19/2024 10:38	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 10:38	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 10:38	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 10:38	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 10:38	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	52	105	70 - 128	T
Toluene-d8 (S)	ug/L	50	41	82	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	44	89	70 - 128	T
Toluene-d8 (S)	ug/L	50	48	96	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	T

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Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID:	T2415927003	Date Collected:	07/10/2024 09:33			Matrix:	Water	
Sample ID:	OPRW-12	Date Received:	07/10/2024 14:15					
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	193.6	umhos/cm			1	07/10/2024 09:33	07/10/2024 09:33	
Dissolved Oxygen	0.28	mg/L			1	07/10/2024 09:33	07/10/2024 09:33	
ORP-2580BW	-31.2	mV			1	07/10/2024 09:33	07/10/2024 09:33	
Temperature	28.1	°C			1	07/10/2024 09:33	07/10/2024 09:33	
Turbidity	13	NTU			1	07/10/2024 09:33	07/10/2024 09:33	
pH	6.2	SU			1	07/10/2024 09:33	07/10/2024 09:33	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/19/2024 04:22	07/19/2024 14:02	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/19/2024 04:22	07/19/2024 14:02	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/19/2024 04:22	07/19/2024 14:02	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/19/2024 04:22	07/19/2024 14:02	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 14:02	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/19/2024 04:22	07/19/2024 14:02	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 14:02	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 14:02	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 14:02	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 14:02	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 14:02	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/19/2024 04:22	07/19/2024 14:02	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 14:02	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 14:02	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 14:02	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/19/2024 04:22	07/19/2024 14:02	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 14:02	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 14:02	T





FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927003
Sample ID: OPRW-12

Date Collected: 07/10/2024 09:33
Date Received: 07/10/2024 14:15

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 14:02	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 14:02	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 14:02	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 14:02	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/19/2024 04:22	07/19/2024 14:02	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 14:02	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 14:02	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 14:02	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 14:02	T
Acetone	5.4	ug/L	2.0	0.90	1	07/19/2024 04:22	07/19/2024 14:02	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/19/2024 04:22	07/19/2024 14:02	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/19/2024 04:22	07/19/2024 14:02	T
Benzene	0.28 U	ug/L	1.0	0.28	1	07/19/2024 04:22	07/19/2024 14:02	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 14:02	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 14:02	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 14:02	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 14:02	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 14:02	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 14:02	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 14:02	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 14:02	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 14:02	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 14:02	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 14:02	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 14:02	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 14:02	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/19/2024 04:22	07/19/2024 14:02	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927003
Sample ID: OPRW-12

Date Collected: 07/10/2024 09:33
Date Received: 07/10/2024 14:15

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 14:02	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 14:02	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/19/2024 04:22	07/19/2024 14:02	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 14:02	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/19/2024 04:22	07/19/2024 14:02	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 14:02	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/19/2024 04:22	07/19/2024 14:02	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/19/2024 04:22	07/19/2024 14:02	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 14:02	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/19/2024 04:22	07/19/2024 14:02	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 14:02	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 14:02	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 14:02	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 14:02	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/19/2024 04:22	07/19/2024 14:02	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 14:02	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 14:02	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/19/2024 04:22	07/19/2024 14:02	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 14:02	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/19/2024 04:22	07/19/2024 14:02	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 14:02	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 14:02	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 14:02	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 14:02	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	54	109	70 - 128	T
Toluene-d8 (S)	ug/L	50	46	93	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	106	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	46	91	70 - 128	T
Toluene-d8 (S)	ug/L	50	48	95	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	107	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID:	T2415927004	Date Collected:	07/10/2024 10:30			Matrix:	Water	
Sample ID:	SRW-4	Date Received:	07/10/2024 14:15					
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	368.8	umhos/cm			1	07/10/2024 10:30	07/10/2024 10:30	
Dissolved Oxygen	0.09	mg/L			1	07/10/2024 10:30	07/10/2024 10:30	
ORP-2580BW	-60.3	mV			1	07/10/2024 10:30	07/10/2024 10:30	
Temperature	25.7	°C			1	07/10/2024 10:30	07/10/2024 10:30	
Turbidity	2.81	NTU			1	07/10/2024 10:30	07/10/2024 10:30	
pH	6.29	SU			1	07/10/2024 10:30	07/10/2024 10:30	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/19/2024 04:22	07/19/2024 16:11	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/19/2024 04:22	07/19/2024 16:11	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/19/2024 04:22	07/19/2024 16:11	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/19/2024 04:22	07/19/2024 16:11	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 16:11	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/19/2024 04:22	07/19/2024 16:11	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 16:11	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 16:11	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 16:11	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 16:11	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 16:11	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/19/2024 04:22	07/19/2024 16:11	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 16:11	T
1,2-Dichlorobenzene	1.2	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 16:11	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 16:11	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/19/2024 04:22	07/19/2024 16:11	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 16:11	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 16:11	T





FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927004
Sample ID: SRW-4

Date Collected: 07/10/2024 10:30
Date Received: 07/10/2024 14:15

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 16:11	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 16:11	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 16:11	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 16:11	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/19/2024 04:22	07/19/2024 16:11	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 16:11	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 16:11	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 16:11	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 16:11	T
Acetone	5.9	ug/L	2.0	0.90	1	07/19/2024 04:22	07/19/2024 16:11	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/19/2024 04:22	07/19/2024 16:11	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/19/2024 04:22	07/19/2024 16:11	T
Benzene	0.28 U	ug/L	1.0	0.28	1	07/19/2024 04:22	07/19/2024 16:11	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 16:11	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 16:11	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 16:11	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 16:11	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 16:11	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 16:11	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 16:11	T
Chlorobenzene	8.6	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 16:11	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 16:11	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 16:11	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 16:11	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 16:11	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 16:11	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/19/2024 04:22	07/19/2024 16:11	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927004
Sample ID: SRW-4

Date Collected: 07/10/2024 10:30
Date Received: 07/10/2024 14:15

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 16:11	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 16:11	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/19/2024 04:22	07/19/2024 16:11	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 16:11	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/19/2024 04:22	07/19/2024 16:11	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 16:11	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/19/2024 04:22	07/19/2024 16:11	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/19/2024 04:22	07/19/2024 16:11	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 16:11	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/19/2024 04:22	07/19/2024 16:11	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 16:11	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 16:11	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 16:11	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 16:11	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/19/2024 04:22	07/19/2024 16:11	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 16:11	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 16:11	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/19/2024 04:22	07/19/2024 16:11	T
n-propylbenzene	0.49 I	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 16:11	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/19/2024 04:22	07/19/2024 16:11	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 16:11	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 16:11	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 16:11	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 16:11	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	55	110	70 - 128	T
Toluene-d8 (S)	ug/L	50	58	116	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	47	93	70 - 128	T
Toluene-d8 (S)	ug/L	50	48	97	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID:	T2415927005	Date Collected:	07/10/2024 11:58			Matrix:	Water	
Sample ID:	NDW-6	Date Received:	07/10/2024 14:15					
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	158.9	umhos/cm			1	07/10/2024 11:58	07/10/2024 11:58	
Dissolved Oxygen	2.13	mg/L			1	07/10/2024 11:58	07/10/2024 11:58	
ORP-2580BW	80.8	mV			1	07/10/2024 11:58	07/10/2024 11:58	
Temperature	25.3	°C			1	07/10/2024 11:58	07/10/2024 11:58	
Turbidity	8.49	NTU			1	07/10/2024 11:58	07/10/2024 11:58	
pH	6.18	SU			1	07/10/2024 11:58	07/10/2024 11:58	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/19/2024 04:22	07/19/2024 09:47	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/19/2024 04:22	07/19/2024 09:47	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/19/2024 04:22	07/19/2024 09:47	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/19/2024 04:22	07/19/2024 09:47	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 09:47	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/19/2024 04:22	07/19/2024 09:47	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 09:47	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 09:47	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 09:47	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 09:47	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 09:47	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/19/2024 04:22	07/19/2024 09:47	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 09:47	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 09:47	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 09:47	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/19/2024 04:22	07/19/2024 09:47	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 09:47	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 09:47	T





FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927005
Sample ID: NDW-6

Date Collected: 07/10/2024 11:58
Date Received: 07/10/2024 14:15

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 09:47	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 09:47	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 09:47	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 09:47	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/19/2024 04:22	07/19/2024 09:47	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 09:47	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 09:47	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 09:47	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 09:47	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/19/2024 04:22	07/19/2024 09:47	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/19/2024 04:22	07/19/2024 09:47	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/19/2024 04:22	07/19/2024 09:47	T
Benzene	0.28 U	ug/L	1.0	0.28	1	07/19/2024 04:22	07/19/2024 09:47	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 09:47	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 09:47	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 09:47	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 09:47	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 09:47	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 09:47	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 09:47	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 09:47	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 09:47	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 09:47	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 09:47	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 09:47	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 09:47	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/19/2024 04:22	07/19/2024 09:47	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927005
Sample ID: NDW-6

Date Collected: 07/10/2024 11:58
Date Received: 07/10/2024 14:15

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 09:47	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 09:47	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/19/2024 04:22	07/19/2024 09:47	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 09:47	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/19/2024 04:22	07/19/2024 09:47	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 09:47	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/19/2024 04:22	07/19/2024 09:47	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/19/2024 04:22	07/19/2024 09:47	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 09:47	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/19/2024 04:22	07/19/2024 09:47	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 09:47	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 09:47	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 09:47	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 09:47	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/19/2024 04:22	07/19/2024 09:47	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 09:47	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 09:47	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/19/2024 04:22	07/19/2024 09:47	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 09:47	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/19/2024 04:22	07/19/2024 09:47	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 09:47	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 09:47	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 09:47	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 09:47	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	50	101	70 - 128	T
Toluene-d8 (S)	ug/L	50	45	90	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	106	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	43	85	70 - 128	T
Toluene-d8 (S)	ug/L	50	48	96	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	106	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927006
Sample ID: SRW-2

Date Collected: 07/10/2024 12:59
Date Received: 07/10/2024 14:15

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	295.4	umhos/cm			1	07/10/2024 12:59	07/10/2024 12:59	
Dissolved Oxygen	0.03	mg/L			1	07/10/2024 12:59	07/10/2024 12:59	
ORP-2580BW	-54.9	mV			1	07/10/2024 12:59	07/10/2024 12:59	
Temperature	25.8	°C			1	07/10/2024 12:59	07/10/2024 12:59	
Turbidity	5.24	NTU			1	07/10/2024 12:59	07/10/2024 12:59	
pH	5.88	SU			1	07/10/2024 12:59	07/10/2024 12:59	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/19/2024 04:22	07/19/2024 13:37	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/19/2024 04:22	07/19/2024 13:37	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/19/2024 04:22	07/19/2024 13:37	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/19/2024 04:22	07/19/2024 13:37	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 13:37	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/19/2024 04:22	07/19/2024 13:37	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 13:37	T
1,1-Dichloroethane	0.49 I	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 13:37	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 13:37	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 13:37	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 13:37	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/19/2024 04:22	07/19/2024 13:37	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 13:37	T
1,2-Dichlorobenzene	2.5	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 13:37	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 13:37	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/19/2024 04:22	07/19/2024 13:37	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 13:37	T
1,3-Dichlorobenzene	1.2	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 13:37	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927006
Sample ID: SRW-2

Date Collected: 07/10/2024 12:59
Date Received: 07/10/2024 14:15

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 13:37	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 13:37	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 13:37	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 13:37	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/19/2024 04:22	07/19/2024 13:37	T
2-Chlorotoluene	1.3	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 13:37	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 13:37	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 13:37	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 13:37	T
Acetone	16	ug/L	2.0	0.90	1	07/19/2024 04:22	07/19/2024 13:37	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/19/2024 04:22	07/19/2024 13:37	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/19/2024 04:22	07/19/2024 13:37	T
Benzene	1.1	ug/L	1.0	0.28	1	07/19/2024 04:22	07/19/2024 13:37	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 13:37	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 13:37	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 13:37	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 13:37	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 13:37	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 13:37	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 13:37	T
Chlorobenzene	15	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 13:37	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 13:37	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 13:37	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 13:37	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 13:37	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 13:37	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/19/2024 04:22	07/19/2024 13:37	T

Thursday, August 1, 2024 4:01:02 PM
Dates and times are displayed using (-04:00)
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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927006
Sample ID: SRW-2

Date Collected: 07/10/2024 12:59
Date Received: 07/10/2024 14:15

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 13:37	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 13:37	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/19/2024 04:22	07/19/2024 13:37	T
Isopropylbenzene	0.70 I	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 13:37	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/19/2024 04:22	07/19/2024 13:37	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 13:37	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/19/2024 04:22	07/19/2024 13:37	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/19/2024 04:22	07/19/2024 13:37	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 13:37	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/19/2024 04:22	07/19/2024 13:37	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 13:37	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 13:37	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 13:37	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 13:37	T
Xylene (Total)	1.8 I	ug/L	2.0	1.3	1	07/19/2024 04:22	07/19/2024 13:37	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 13:37	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 13:37	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/19/2024 04:22	07/19/2024 13:37	T
n-propylbenzene	1.8	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 13:37	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/19/2024 04:22	07/19/2024 13:37	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 13:37	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 13:37	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 13:37	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 13:37	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	53	105	70 - 128	T
Toluene-d8 (S)	ug/L	50	47	95	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	107	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	45	89	70 - 128	T
Toluene-d8 (S)	ug/L	50	49	97	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	107	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID:	T2415927007	Date Collected:	07/10/2024 12:30			Matrix:	Water		
Sample ID:	FIELD BLANK	Date Received:	07/10/2024 14:15						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))									
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/19/2024 04:22	07/19/2024 08:36	T	
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/19/2024 04:22	07/19/2024 08:36	T	
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/19/2024 04:22	07/19/2024 08:36	T	
VOLATILES (SW-846 5030B/SW-846 8260D)									
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/19/2024 04:22	07/19/2024 08:36	T	
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 08:36	T	
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/19/2024 04:22	07/19/2024 08:36	T	
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 08:36	T	
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 08:36	T	
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 08:36	T	
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 08:36	T	
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 08:36	T	
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/19/2024 04:22	07/19/2024 08:36	T	
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 08:36	T	
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 08:36	T	
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 08:36	T	
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/19/2024 04:22	07/19/2024 08:36	T	
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 08:36	T	
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 08:36	T	
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 08:36	T	
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 08:36	T	
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 08:36	T	
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 08:36	T	
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/19/2024 04:22	07/19/2024 08:36	T	
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 08:36	T	
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 08:36	T	

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927007
Sample ID: FIELD BLANK

Date Collected: 07/10/2024 12:30
Date Received: 07/10/2024 14:15

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 08:36	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 08:36	T
Acetone	9.2	ug/L	2.0	0.90	1	07/19/2024 04:22	07/19/2024 08:36	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/19/2024 04:22	07/19/2024 08:36	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/19/2024 04:22	07/19/2024 08:36	T
Benzene	0.28 U	ug/L	1.0	0.28	1	07/19/2024 04:22	07/19/2024 08:36	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 08:36	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 08:36	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 08:36	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 08:36	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 08:36	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 08:36	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 08:36	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 08:36	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 08:36	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 08:36	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 08:36	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 08:36	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 08:36	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/19/2024 04:22	07/19/2024 08:36	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 08:36	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 08:36	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/19/2024 04:22	07/19/2024 08:36	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 08:36	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/19/2024 04:22	07/19/2024 08:36	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 08:36	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/19/2024 04:22	07/19/2024 08:36	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927007	Date Collected: 07/10/2024 12:30					Matrix: Water		
Sample ID: FIELD BLANK	Date Received: 07/10/2024 14:15							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Styrene	0.29 U	ug/L	1.0	0.29	1	07/19/2024 04:22	07/19/2024 08:36	T
Tetrachloroethylene (PCE)	1.7	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 08:36	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/19/2024 04:22	07/19/2024 08:36	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 08:36	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 08:36	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 08:36	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 08:36	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/19/2024 04:22	07/19/2024 08:36	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 08:36	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 08:36	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/19/2024 04:22	07/19/2024 08:36	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 08:36	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/19/2024 04:22	07/19/2024 08:36	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 08:36	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 08:36	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 08:36	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 08:36	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	50	100	70 - 128	T
Toluene-d8 (S)	ug/L	50	49	97	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	106	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	42	84	70 - 128	T
Toluene-d8 (S)	ug/L	50	48	96	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	106	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927008	Date Collected: 07/10/2024 09:42			Matrix: Water				
Sample ID: BVR-4	Date Received: 07/10/2024 14:15							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	194.4	umhos/cm			1	07/10/2024 09:42	07/10/2024 09:42	
Dissolved Oxygen	0.13	mg/L			1	07/10/2024 09:42	07/10/2024 09:42	
ORP-2580BW	57.6	mV			1	07/10/2024 09:42	07/10/2024 09:42	
Temperature	24.7	°C			1	07/10/2024 09:42	07/10/2024 09:42	
Turbidity	1.16	NTU			1	07/10/2024 09:42	07/10/2024 09:42	
pH	5.79	SU			1	07/10/2024 09:42	07/10/2024 09:42	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/19/2024 04:22	07/19/2024 12:20	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/19/2024 04:22	07/19/2024 12:20	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/19/2024 04:22	07/19/2024 12:20	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/19/2024 04:22	07/19/2024 12:20	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 12:20	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/19/2024 04:22	07/19/2024 12:20	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 12:20	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 12:20	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 12:20	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 12:20	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 12:20	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/19/2024 04:22	07/19/2024 12:20	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 12:20	T
1,2-Dichlorobenzene	2.3	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 12:20	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 12:20	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/19/2024 04:22	07/19/2024 12:20	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 12:20	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 12:20	T





FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927008
Sample ID: BVR-4

Date Collected: 07/10/2024 09:42
Date Received: 07/10/2024 14:15

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 12:20	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 12:20	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 12:20	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 12:20	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/19/2024 04:22	07/19/2024 12:20	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 12:20	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 12:20	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 12:20	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 12:20	T
Acetone	9.9	ug/L	2.0	0.90	1	07/19/2024 04:22	07/19/2024 12:20	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/19/2024 04:22	07/19/2024 12:20	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/19/2024 04:22	07/19/2024 12:20	T
Benzene	4.5	ug/L	1.0	0.28	1	07/19/2024 04:22	07/19/2024 12:20	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 12:20	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 12:20	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 12:20	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 12:20	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 12:20	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 12:20	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 12:20	T
Chlorobenzene	2.3	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 12:20	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 12:20	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 12:20	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 12:20	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 12:20	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 12:20	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/19/2024 04:22	07/19/2024 12:20	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927008
Sample ID: BVR-4

Date Collected: 07/10/2024 09:42
Date Received: 07/10/2024 14:15

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 12:20	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 12:20	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/19/2024 04:22	07/19/2024 12:20	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 12:20	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/19/2024 04:22	07/19/2024 12:20	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 12:20	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/19/2024 04:22	07/19/2024 12:20	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/19/2024 04:22	07/19/2024 12:20	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 12:20	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/19/2024 04:22	07/19/2024 12:20	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 12:20	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 12:20	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 12:20	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 12:20	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/19/2024 04:22	07/19/2024 12:20	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 12:20	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 12:20	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/19/2024 04:22	07/19/2024 12:20	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 12:20	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/19/2024 04:22	07/19/2024 12:20	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 12:20	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 12:20	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 12:20	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 12:20	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	51	103	70 - 128	T
Toluene-d8 (S)	ug/L	50	42	84	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	106	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	43	86	70 - 128	T
Toluene-d8 (S)	ug/L	50	49	97	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	106	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID:	T2415927009	Date Collected:	07/10/2024 10:58			Matrix:	Water	
Sample ID:	BV-14	Date Received:	07/10/2024 14:15					
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	722	umhos/cm			1	07/10/2024 10:58	07/10/2024 10:58	
Dissolved Oxygen	1.15	mg/L			1	07/10/2024 10:58	07/10/2024 10:58	
ORP-2580BW	-23.4	mV			1	07/10/2024 10:58	07/10/2024 10:58	
Temperature	28.2	°C			1	07/10/2024 10:58	07/10/2024 10:58	
Turbidity	11.7	NTU			1	07/10/2024 10:58	07/10/2024 10:58	
pH	6.83	SU			1	07/10/2024 10:58	07/10/2024 10:58	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/19/2024 04:22	07/19/2024 09:22	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/19/2024 04:22	07/19/2024 09:22	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/19/2024 04:22	07/19/2024 09:22	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/19/2024 04:22	07/19/2024 09:22	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 09:22	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/19/2024 04:22	07/19/2024 09:22	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 09:22	T
1,1-Dichloroethane	0.58 I	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 09:22	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 09:22	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 09:22	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 09:22	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/19/2024 04:22	07/19/2024 09:22	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 09:22	T
1,2-Dichlorobenzene	1.0	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 09:22	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 09:22	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/19/2024 04:22	07/19/2024 09:22	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 09:22	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 09:22	T





FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927009
Sample ID: BV-14

Date Collected: 07/10/2024 10:58
Date Received: 07/10/2024 14:15

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 09:22	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 09:22	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 09:22	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 09:22	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/19/2024 04:22	07/19/2024 09:22	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 09:22	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 09:22	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 09:22	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 09:22	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/19/2024 04:22	07/19/2024 09:22	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/19/2024 04:22	07/19/2024 09:22	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/19/2024 04:22	07/19/2024 09:22	T
Benzene	0.28 U	ug/L	1.0	0.28	1	07/19/2024 04:22	07/19/2024 09:22	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 09:22	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 09:22	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 09:22	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 09:22	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 09:22	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 09:22	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 09:22	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 09:22	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 09:22	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 09:22	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 09:22	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 09:22	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 09:22	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/19/2024 04:22	07/19/2024 09:22	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927009
Sample ID: BV-14

Date Collected: 07/10/2024 10:58
Date Received: 07/10/2024 14:15

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 09:22	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 09:22	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/19/2024 04:22	07/19/2024 09:22	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 09:22	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/19/2024 04:22	07/19/2024 09:22	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 09:22	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/19/2024 04:22	07/19/2024 09:22	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/19/2024 04:22	07/19/2024 09:22	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 09:22	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/19/2024 04:22	07/19/2024 09:22	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 09:22	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 09:22	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 09:22	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 09:22	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/19/2024 04:22	07/19/2024 09:22	T
cis-1,2-Dichloroethylene	0.57 I	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 09:22	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 09:22	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/19/2024 04:22	07/19/2024 09:22	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 09:22	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/19/2024 04:22	07/19/2024 09:22	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 09:22	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 09:22	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 09:22	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 09:22	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	52	105	70 - 128	T
Toluene-d8 (S)	ug/L	50	44	87	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	52	104	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	44	88	70 - 128	T
Toluene-d8 (S)	ug/L	50	48	95	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	52	105	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID:	T2415927010	Date Collected:	07/10/2024 11:38			Matrix:	Water	
Sample ID:	BV-13	Date Received:	07/10/2024 14:15					
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	185.2	umhos/cm			1	07/10/2024 11:38	07/10/2024 11:38	
Dissolved Oxygen	2.27	mg/L			1	07/10/2024 11:38	07/10/2024 11:38	
ORP-2580BW	75.3	mV			1	07/10/2024 11:38	07/10/2024 11:38	
Temperature	31.7	°C			1	07/10/2024 11:38	07/10/2024 11:38	
Turbidity	8.13	NTU			1	07/10/2024 11:38	07/10/2024 11:38	
pH	5.85	SU			1	07/10/2024 11:38	07/10/2024 11:38	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/19/2024 04:22	07/19/2024 13:11	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/19/2024 04:22	07/19/2024 13:11	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/19/2024 04:22	07/19/2024 13:11	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/19/2024 04:22	07/19/2024 13:11	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 13:11	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/19/2024 04:22	07/19/2024 13:11	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 13:11	T
1,1-Dichloroethane	0.45 I	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 13:11	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 13:11	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 13:11	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 13:11	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/19/2024 04:22	07/19/2024 13:11	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 13:11	T
1,2-Dichlorobenzene	0.99 I	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 13:11	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 13:11	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/19/2024 04:22	07/19/2024 13:11	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 13:11	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 13:11	T





FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927010
Sample ID: BV-13

Date Collected: 07/10/2024 11:38
Date Received: 07/10/2024 14:15

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 13:11	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 13:11	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 13:11	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 13:11	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/19/2024 04:22	07/19/2024 13:11	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 13:11	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 13:11	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 13:11	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 13:11	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/19/2024 04:22	07/19/2024 13:11	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/19/2024 04:22	07/19/2024 13:11	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/19/2024 04:22	07/19/2024 13:11	T
Benzene	0.39 I	ug/L	1.0	0.28	1	07/19/2024 04:22	07/19/2024 13:11	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 13:11	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 13:11	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 13:11	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 13:11	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 13:11	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 13:11	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 13:11	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 13:11	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 13:11	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 13:11	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 13:11	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 13:11	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 13:11	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/19/2024 04:22	07/19/2024 13:11	T

Thursday, August 1, 2024 4:01:02 PM
Dates and times are displayed using (-04:00)
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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927010
Sample ID: BV-13

Date Collected: 07/10/2024 11:38
Date Received: 07/10/2024 14:15

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 13:11	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 13:11	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/19/2024 04:22	07/19/2024 13:11	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 13:11	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/19/2024 04:22	07/19/2024 13:11	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 13:11	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/19/2024 04:22	07/19/2024 13:11	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/19/2024 04:22	07/19/2024 13:11	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 13:11	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/19/2024 04:22	07/19/2024 13:11	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 13:11	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 13:11	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 13:11	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 13:11	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/19/2024 04:22	07/19/2024 13:11	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 13:11	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 13:11	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/19/2024 04:22	07/19/2024 13:11	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 13:11	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/19/2024 04:22	07/19/2024 13:11	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 13:11	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 13:11	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 13:11	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 13:11	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	54	107	70 - 128	T
Toluene-d8 (S)	ug/L	50	45	89	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	52	105	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	46	92	70 - 128	T
Toluene-d8 (S)	ug/L	50	48	97	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	105	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927011	Date Collected: 07/10/2024 12:00			Matrix: Water				
Sample ID: ND-3D	Date Received: 07/10/2024 14:15							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	249.2	umhos/cm			1	07/10/2024 12:00	07/10/2024 12:00	
Dissolved Oxygen	2.14	mg/L			1	07/10/2024 12:00	07/10/2024 12:00	
ORP-2580BW	42.3	mV			1	07/10/2024 12:00	07/10/2024 12:00	
Temperature	27.8	°C			1	07/10/2024 12:00	07/10/2024 12:00	
Turbidity	10.6	NTU			1	07/10/2024 12:00	07/10/2024 12:00	
pH	6.02	SU			1	07/10/2024 12:00	07/10/2024 12:00	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/19/2024 04:22	07/19/2024 11:04	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/19/2024 04:22	07/19/2024 11:04	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/19/2024 04:22	07/19/2024 11:04	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/19/2024 04:22	07/19/2024 11:04	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 11:04	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/19/2024 04:22	07/19/2024 11:04	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 11:04	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 11:04	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 11:04	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 11:04	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 11:04	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/19/2024 04:22	07/19/2024 11:04	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 11:04	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 11:04	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 11:04	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/19/2024 04:22	07/19/2024 11:04	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 11:04	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 11:04	T





FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927011
Sample ID: ND-3D

Date Collected: 07/10/2024 12:00
Date Received: 07/10/2024 14:15

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 11:04	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 11:04	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 11:04	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 11:04	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/19/2024 04:22	07/19/2024 11:04	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 11:04	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 11:04	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 11:04	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 11:04	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/19/2024 04:22	07/19/2024 11:04	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/19/2024 04:22	07/19/2024 11:04	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/19/2024 04:22	07/19/2024 11:04	T
Benzene	0.28 U	ug/L	1.0	0.28	1	07/19/2024 04:22	07/19/2024 11:04	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 11:04	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 11:04	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 11:04	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 11:04	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 11:04	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 11:04	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 11:04	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 11:04	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 11:04	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 11:04	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 11:04	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 11:04	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 11:04	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/19/2024 04:22	07/19/2024 11:04	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927011
Sample ID: ND-3D

Date Collected: 07/10/2024 12:00
Date Received: 07/10/2024 14:15

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 11:04	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 11:04	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/19/2024 04:22	07/19/2024 11:04	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 11:04	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/19/2024 04:22	07/19/2024 11:04	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 11:04	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/19/2024 04:22	07/19/2024 11:04	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/19/2024 04:22	07/19/2024 11:04	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 11:04	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/19/2024 04:22	07/19/2024 11:04	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 11:04	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 11:04	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 11:04	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 11:04	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/19/2024 04:22	07/19/2024 11:04	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 11:04	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 11:04	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/19/2024 04:22	07/19/2024 11:04	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 11:04	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/19/2024 04:22	07/19/2024 11:04	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 11:04	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 11:04	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 11:04	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 11:04	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	52	104	70 - 128	T
Toluene-d8 (S)	ug/L	50	45	90	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	44	88	70 - 128	T
Toluene-d8 (S)	ug/L	50	48	96	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	109	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID:	T2415927012	Date Collected:	07/10/2024 13:28			Matrix:	Water	
Sample ID:	BV-1	Date Received:	07/10/2024 14:15					
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	182.9	umhos/cm			1	07/10/2024 13:28	07/10/2024 13:28	
Dissolved Oxygen	1.7	mg/L			1	07/10/2024 13:28	07/10/2024 13:28	
ORP-2580BW	68	mV			1	07/10/2024 13:28	07/10/2024 13:28	
Temperature	24.7	°C			1	07/10/2024 13:28	07/10/2024 13:28	
Turbidity	5.55	NTU			1	07/10/2024 13:28	07/10/2024 13:28	
pH	5.61	SU			1	07/10/2024 13:28	07/10/2024 13:28	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/19/2024 04:22	07/19/2024 12:46	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/19/2024 04:22	07/19/2024 12:46	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/19/2024 04:22	07/19/2024 12:46	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/19/2024 04:22	07/19/2024 12:46	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 12:46	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/19/2024 04:22	07/19/2024 12:46	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 12:46	T
1,1-Dichloroethane	0.85 I	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 12:46	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 12:46	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 12:46	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 12:46	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/19/2024 04:22	07/19/2024 12:46	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 12:46	T
1,2-Dichlorobenzene	1.6	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 12:46	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 12:46	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/19/2024 04:22	07/19/2024 12:46	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 12:46	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 12:46	T





FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927012
Sample ID: BV-1

Date Collected: 07/10/2024 13:28
Date Received: 07/10/2024 14:15

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 12:46	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 12:46	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 12:46	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 12:46	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/19/2024 04:22	07/19/2024 12:46	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 12:46	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 12:46	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 12:46	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 12:46	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/19/2024 04:22	07/19/2024 12:46	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/19/2024 04:22	07/19/2024 12:46	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/19/2024 04:22	07/19/2024 12:46	T
Benzene	0.28 U	ug/L	1.0	0.28	1	07/19/2024 04:22	07/19/2024 12:46	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 12:46	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 12:46	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 12:46	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 12:46	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 12:46	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 12:46	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 12:46	T
Chlorobenzene	0.59 I	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 12:46	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 12:46	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 12:46	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 12:46	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 12:46	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 12:46	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/19/2024 04:22	07/19/2024 12:46	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Lab ID: T2415927012
Sample ID: BV-1

Date Collected: 07/10/2024 13:28
Date Received: 07/10/2024 14:15

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 12:46	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 12:46	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/19/2024 04:22	07/19/2024 12:46	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 12:46	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/19/2024 04:22	07/19/2024 12:46	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 12:46	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/19/2024 04:22	07/19/2024 12:46	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/19/2024 04:22	07/19/2024 12:46	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 12:46	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/19/2024 04:22	07/19/2024 12:46	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 12:46	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 12:46	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 12:46	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 12:46	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/19/2024 04:22	07/19/2024 12:46	T
cis-1,2-Dichloroethylene	0.47 I	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 12:46	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 12:46	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/19/2024 04:22	07/19/2024 12:46	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 12:46	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/19/2024 04:22	07/19/2024 12:46	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 12:46	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 12:46	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 12:46	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 12:46	T

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FINAL

Workorder: Sydney Mine (T2415927)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	53	107	70 - 128	T
Toluene-d8 (S)	ug/L	50	44	87	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	52	105	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	45	90	70 - 128	T
Toluene-d8 (S)	ug/L	50	48	96	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	105	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415927)

QC Results

QC Batch: MSVt/9663 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415927001, T2415927002, T2415927003, T2415927004, T2415927005, T2415927006, T2415927007, T2415927008, T2415927009, T2415927010, T2415927011, T2415927012

Method Blank(5399706)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	T
Chloromethane	0.39 U	ug/L	1.0	0.39	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	T
Bromomethane	0.32 U	ug/L	1.0	0.32	T
Chloroethane	0.42 U	ug/L	1.0	0.42	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	T
Acetone	0.90 U	ug/L	2.0	0.90	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	T
Chloroform	0.37 U	ug/L	1.0	0.37	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	T
Benzene	0.28 U	ug/L	1.0	0.28	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	T

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FINAL

Workorder: Sydney Mine (T2415927)

QC Batch: MSVt/9663 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415927001, T2415927002, T2415927003, T2415927004, T2415927005, T2415927006, T2415927007, T2415927008, T2415927009, T2415927010, T2415927011, T2415927012

Parameter	Results	Units	PQL	MDL	Lab
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	T
Toluene	0.66 U	ug/L	1.0	0.66	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	T
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	T
Bromoform	0.36 U	ug/L	1.0	0.36	T
Styrene	0.29 U	ug/L	1.0	0.29	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	T
Naphthalene	0.93 U	ug/L	1.0	0.93	T





FINAL

Workorder: Sydney Mine (T2415927)

QC Batch: MSVt/9663 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415927001, T2415927002, T2415927003, T2415927004, T2415927005, T2415927006, T2415927007, T2415927008, T2415927009, T2415927010, T2415927011, T2415927012

Parameter	Results	Units	PQL	MDL	Lab
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	42	84	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	54	107	86 - 123	T
Toluene-d8 (S)	ug/L	50	49	97	77 - 119	T

Lab Control Sample (5399707); Lab Control Sample Duplicate (5399708); Parent Lab Sample (T2415927001, T2415927002, T2415927003, T2415927004, T2415927005, T2415927006, T2415927007, T2415927008, T2415927009, T2415927010, T2415927011, T2415927012)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	ug/L	20	17	83	32 - 152	18	89	8	20	T
Chloromethane	ug/L	20	20	98	50 - 139	21	103	6	20	T
Vinyl Chloride	ug/L	20	19	97	58 - 137	21	107	10	20	T
Bromomethane	ug/L	20	21	104	10 - 150	21	105	1	20	T
Chloroethane	ug/L	20	19	97	60 - 138	21	105	8	20	T
Trichlorofluoromethane	ug/L	20	19	94	65 - 141	21	104	10	20	T
Acrolein (Propenal)	ug/L	100	91	91	39 - 155	100	101	10	20	T
Acetone	ug/L	20	17	85	39 - 160	19	94	9	20	T
1,1-Dichloroethylene	ug/L	20	16	81	71 - 131	18	91	12	20	T
Iodomethane (Methyl Iodid	ug/L	20	17	85	10 - 150	18	90	6	20	T
Acrylonitrile	ug/L	20	18	92	63 - 135	20	100	8	20	T
Methylene Chloride	ug/L	20	19	94	74 - 124	19	95	1	20	T
Carbon Disulfide	ug/L	20	14	71	64 - 133	16	81	13	20	T
trans-1,2-Dichloroethylene	ug/L	20	18	91	75 - 124	20	102	12	20	T
Methyl tert-butyl Ether (MT	ug/L	20	18	88	71 - 124	20	99	12	20	T
1,1-Dichloroethane	ug/L	20	19	93	77 - 125	21	103	10	20	T
Vinyl Acetate	ug/L	20	20	98	10 - 150	18	91	7	20	T
2-Butanone (MEK)	ug/L	20	18	90	56 - 143	20	98	9	20	T
cis-1,2-Dichloroethylene	ug/L	20	19	93	78 - 123	21	105	12	20	T
Bromochloromethane	ug/L	20	19	96	78 - 123	22	108	11	20	T
Chloroform	ug/L	20	19	96	79 - 124	22	109	12	20	T
2,2-Dichloropropane	ug/L	20	14	68	10 - 150	15	76	11	20	T

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FINAL

Workorder: Sydney Mine (T2415927)

QC Batch: MSVt/9663 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415927001, T2415927002, T2415927003, T2415927004, T2415927005, T2415927006, T2415927007, T2415927008, T2415927009, T2415927010, T2415927011, T2415927012

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane	ug/L	20	17	85	73 - 128	19	96	12	20	T
1,1,1-Trichloroethane	ug/L	20	18	92	74 - 131	21	103	12	20	T
1,1-Dichloropropene	ug/L	20	19	95	79 - 125	22	109	14	20	T
Carbon Tetrachloride	ug/L	20	18	89	72 - 136	20	102	13	20	T
Benzene	ug/L	20	20	99	79 - 120	22	111	11	20	T
Dibromomethane	ug/L	20	20	100	79 - 123	22	112	11	20	T
1,2-Dichloropropane	ug/L	20	21	103	78 - 122	23	116	11	20	T
Trichloroethene	ug/L	20	23	113	79 - 123	25	123	8	20	T
Bromodichloromethane	ug/L	20	19	96	79 - 125	22	109	14	20	T
2-Chloroethyl Vinyl Ether	ug/L	20	26	130	10 - 150	29	146	12	20	T
cis-1,3-Dichloropropene	ug/L	20	19	95	75 - 124	21	107	11	20	T
4-Methyl-2-pentanone (MIB	ug/L	20	18	92	67 - 130	20	100	9	20	T
trans-1,3-Dichloropropylene	ug/L	20	18	92	73 - 127	20	102	10	20	T
1,1,2-Trichloroethane	ug/L	20	20	100	80 - 119	23	113	12	20	T
Toluene	ug/L	20	19	95	80 - 121	20	98	3	20	T
1,3-Dichloropropane	ug/L	20	19	93	80 - 119	19	93	1	20	T
2-Hexanone	ug/L	20	17	85	57 - 139	16	82	4	20	T
Dibromochloromethane	ug/L	20	18	89	74 - 126	18	91	2	20	T
Tetrachloroethylene (PCE)	ug/L	20	18	89	74 - 129	18	91	2	20	T
1,1,1,2-Tetrachloroethane	ug/L	20	18	91	78 - 124	19	93	3	20	T
Chlorobenzene	ug/L	20	18	92	82 - 118	19	93	1	20	T
Ethylbenzene	ug/L	20	19	96	79 - 121	20	98	2	20	T
Bromoform	ug/L	20	17	83	66 - 130	17	83	0	20	T
Styrene	ug/L	20	19	94	78 - 123	19	96	2	20	T
1,1,2,2-Tetrachloroethane	ug/L	20	15	75	71 - 121	16	80	6	20	T
Isopropylbenzene	ug/L	20	19	94	72 - 131	19	96	2	20	T
Bromobenzene	ug/L	20	18	92	80 - 120	19	95	4	20	T
n-propylbenzene	ug/L	20	19	96	76 - 126	19	97	1	20	T
2-Chlorotoluene	ug/L	20	19	96	79 - 122	20	98	2	20	T
4-Chlorotoluene	ug/L	20	19	95	78 - 122	19	97	2	20	T
1,3,5-Trimethylbenzene	ug/L	20	19	94	75 - 124	19	96	2	20	T
tert-butylbenzene	ug/L	20	19	97	78 - 124	20	98	1	20	T
1,2,4-Trimethylbenzene	ug/L	20	19	94	76 - 124	20	98	4	20	T

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FINAL

Workorder: Sydney Mine (T2415927)

QC Batch: MSVt/9663 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415927001, T2415927002, T2415927003, T2415927004, T2415927005, T2415927006, T2415927007, T2415927008, T2415927009, T2415927010, T2415927011, T2415927012

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
sec-butylbenzene	ug/L	20	19	96	77 - 126	20	98	2	20	T
1,3-Dichlorobenzene	ug/L	20	19	94	80 - 119	19	95	2	20	T
1,4-Dichlorobenzene	ug/L	20	18	91	79 - 118	19	93	2	20	T
1,2-Dichlorobenzene	ug/L	20	18	92	80 - 119	18	92	0	20	T
p-Isopropyltoluene	ug/L	20	19	96	77 - 127	20	98	3	20	T
n-Butylbenzene	ug/L	20	19	97	75 - 128	20	99	2	20	T
1,2,4-Trichlorobenzene	ug/L	20	16	80	69 - 130	16	81	2	20	T
Naphthalene	ug/L	20	15	73	61 - 128	15	77	5	20	T
Hexachlorobutadiene	ug/L	20	17	87	66 - 134	18	89	3	20	T
1,2,3-Trichlorobenzene	ug/L	20	14	72	69 - 129	15	74	2	20	T
Xylene (Total)	ug/L	60	58	96	79 - 121	59	98	1	20	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	42	85	70 - 128	47	93	9		T
Bromofluorobenzene (S)	ug/L	50	50	100	86 - 123	51	102	2		T
Toluene-d8 (S)	ug/L	50	48	96	77 - 119	48	97	1		T

Matrix Spike (5399709); Original (T2415927005); Parent Lab Sample (T2415927005)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	ug/L	20	17	86	32 - 152	T
Chloromethane	ug/L	20	19	96	50 - 139	T
Vinyl Chloride	ug/L	20	20	102	10 - 150	T
Bromomethane	ug/L	20	22	109	10 - 150	T
Chloroethane	ug/L	20	20	99	60 - 138	T
Trichlorofluoromethane	ug/L	20	20	101	65 - 141	T
Acrolein (Propenal)	ug/L	100	97	97	39 - 155	T
Acetone	ug/L	20	18	92	39 - 160	T
1,1-Dichloroethylene	ug/L	20	17	87	71 - 131	T
Iodomethane (Methyl Iodide)	ug/L	20	18	89	10 - 150	T
Acrylonitrile	ug/L	20	20	101	63 - 135	T
Methylene Chloride	ug/L	20	16	81	74 - 124	T
Carbon Disulfide	ug/L	20	19	97	64 - 133	T
trans-1,2-Dichloroethylene	ug/L	20	19	97	75 - 124	T





FINAL

Workorder: Sydney Mine (T2415927)

QC Batch: MSVt/9663 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415927001, T2415927002, T2415927003, T2415927004, T2415927005, T2415927006, T2415927007, T2415927008, T2415927009, T2415927010, T2415927011, T2415927012

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Methyl tert-butyl Ether (MTBE)	ug/L	20	19	94	71 - 124	T
1,1-Dichloroethane	ug/L	20	20	100	77 - 125	T
Vinyl Acetate	ug/L	20	19	95	54 - 146	T
2-Butanone (MEK)	ug/L	20	19	96	56 - 143	T
cis-1,2-Dichloroethylene	ug/L	20	20	99	78 - 123	T
Bromochloromethane	ug/L	20	21	103	78 - 123	T
Chloroform	ug/L	20	21	103	79 - 124	T
2,2-Dichloropropane	ug/L	20	17	87	10 - 150	T
1,2-Dichloroethane	ug/L	20	18	92	73 - 128	T
1,1,1-Trichloroethane	ug/L	20	20	98	74 - 131	T
1,1-Dichloropropene	ug/L	20	21	104	79 - 125	T
Carbon Tetrachloride	ug/L	20	19	96	72 - 136	T
Benzene	ug/L	20	21	106	79 - 120	T
Dibromomethane	ug/L	20	21	107	79 - 123	T
1,2-Dichloropropane	ug/L	20	22	109	78 - 122	T
Trichloroethene	ug/L	20	19	94	79 - 123	T
Bromodichloromethane	ug/L	20	21	103	79 - 125	T
2-Chloroethyl Vinyl Ether	ug/L	20	28	139	10 - 150	T
cis-1,3-Dichloropropene	ug/L	20	20	102	75 - 124	T
4-Methyl-2-pentanone (MIBK)	ug/L	20	20	99	67 - 130	T
trans-1,3-Dichloropropylene	ug/L	20	20	98	73 - 127	T
1,1,2-Trichloroethane	ug/L	20	21	106	80 - 119	T
Toluene	ug/L	20	20	102	80 - 121	T
1,3-Dichloropropane	ug/L	20	20	98	80 - 119	T
2-Hexanone	ug/L	20	18	89	57 - 139	T
Dibromochloromethane	ug/L	20	19	96	74 - 126	T
Tetrachloroethylene (PCE)	ug/L	20	19	93	74 - 129	T
1,1,1,2-Tetrachloroethane	ug/L	20	20	98	78 - 124	T
Chlorobenzene	ug/L	20	20	99	82 - 118	T
Ethylbenzene	ug/L	20	21	103	79 - 121	T
Bromoform	ug/L	20	18	91	66 - 130	T
Styrene	ug/L	20	20	101	78 - 123	T
1,1,2,2-Tetrachloroethane	ug/L	20	16	79	71 - 121	T
Isopropylbenzene	ug/L	20	20	102	72 - 131	T

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FINAL

Workorder: Sydney Mine (T2415927)

QC Batch: MSVt/9663 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415927001, T2415927002, T2415927003, T2415927004, T2415927005, T2415927006, T2415927007, T2415927008, T2415927009, T2415927010, T2415927011, T2415927012

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromobenzene	ug/L	20	20	100	80 - 120	T
n-propylbenzene	ug/L	20	21	104	76 - 126	T
2-Chlorotoluene	ug/L	20	20	101	79 - 122	T
4-Chlorotoluene	ug/L	20	21	103	78 - 122	T
1,3,5-Trimethylbenzene	ug/L	20	20	101	75 - 124	T
tert-butylbenzene	ug/L	20	21	104	78 - 124	T
1,2,4-Trimethylbenzene	ug/L	20	20	102	76 - 124	T
sec-butylbenzene	ug/L	20	21	104	77 - 126	T
1,3-Dichlorobenzene	ug/L	20	20	100	80 - 119	T
1,4-Dichlorobenzene	ug/L	20	20	98	79 - 118	T
1,2-Dichlorobenzene	ug/L	20	20	99	80 - 119	T
p-Isopropyltoluene	ug/L	20	21	105	77 - 127	T
n-Butylbenzene	ug/L	20	20	102	75 - 128	T
1,2,4-Trichlorobenzene	ug/L	20	18	88	69 - 130	T
Naphthalene	ug/L	20	17	84	61 - 128	T
Hexachlorobutadiene	ug/L	20	19	93	66 - 134	T
1,2,3-Trichlorobenzene	ug/L	20	16	82	69 - 129	T
Xylene (Total)	ug/L	60	62	103	79 - 121	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	42	85	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	51	102	86 - 123	T
Toluene-d8 (S)	ug/L	50	49	97	77 - 119	T





FINAL

Workorder: Sydney Mine (T2415927)

QC Results

QC Batch: MSVt/9665 **Analysis Method:** SW-846 8260D (SIM)
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415927001, T2415927002, T2415927003, T2415927004, T2415927005, T2415927006, T2415927007, T2415927008, T2415927009, T2415927010, T2415927011, T2415927012

Method Blank(5400658)

Parameter	Results	Units	PQL	MDL	Lab
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	49	99	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	53	107	86 - 123	T
Toluene-d8 (S)	ug/L	50	47	94	77 - 119	T

Lab Control Sample (5400659); Lab Control Sample Duplicate (5400660); Parent Lab Sample (T2415927001, T2415927002, T2415927003, T2415927004, T2415927005, T2415927006, T2415927007, T2415927008, T2415927009, T2415927010, T2415927011, T2415927012)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Ethylene Dibromide (EDB)	ug/L	0.80	0.89	111	77 - 121	0.81	101	10	20	T
1,2-Dibromo-3-Chloropropa	ug/L	0.80	0.7	88	62 - 128	0.71	89	1	20	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	49	98	70 - 128	49	98	0		T
Bromofluorobenzene (S)	ug/L	50	54	109	86 - 123	54	108	0		T
Toluene-d8 (S)	ug/L	50	57	113	77 - 119	52	104	9		T

Matrix Spike (5400661); Original (T2415927005); Parent Lab Sample (T2415927005)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Ethylene Dibromide (EDB)	ug/L	0.80	0.69	86	77 - 121	T
1,2-Dibromo-3-Chloropropane	ug/L	0.80	0.71	89	62 - 128	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	49	98	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	T
Toluene-d8 (S)	ug/L	50	56	111	77 - 119	T

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FINAL

Workorder: Sydney Mine (T2415927)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MSVt/9663 - SW-846 8260D			
T2415927001	TRIP BLANK	MSVt/9662	SW-846 5030B
T2415927002	P-5	MSVt/9662	SW-846 5030B
T2415927003	OPRW-12	MSVt/9662	SW-846 5030B
T2415927004	SRW-4	MSVt/9662	SW-846 5030B
T2415927005	NDW-6	MSVt/9662	SW-846 5030B
T2415927006	SRW-2	MSVt/9662	SW-846 5030B
T2415927007	FIELD BLANK	MSVt/9662	SW-846 5030B
T2415927008	BVR-4	MSVt/9662	SW-846 5030B
T2415927009	BV-14	MSVt/9662	SW-846 5030B
T2415927010	BV-13	MSVt/9662	SW-846 5030B
T2415927011	ND-3D	MSVt/9662	SW-846 5030B
T2415927012	BV-1	MSVt/9662	SW-846 5030B
MSVt/9665 - SW-846 8260D (SIM)			
T2415927001	TRIP BLANK	MSVt/9664	SW-846 5030B
T2415927002	P-5	MSVt/9664	SW-846 5030B
T2415927003	OPRW-12	MSVt/9664	SW-846 5030B
T2415927004	SRW-4	MSVt/9664	SW-846 5030B
T2415927005	NDW-6	MSVt/9664	SW-846 5030B
T2415927006	SRW-2	MSVt/9664	SW-846 5030B
T2415927007	FIELD BLANK	MSVt/9664	SW-846 5030B
T2415927008	BVR-4	MSVt/9664	SW-846 5030B
T2415927009	BV-14	MSVt/9664	SW-846 5030B
T2415927010	BV-13	MSVt/9664	SW-846 5030B
T2415927011	ND-3D	MSVt/9664	SW-846 5030B
T2415927012	BV-1	MSVt/9664	SW-846 5030B

Certificate of Analysis

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Page 1 of 2

☐ Gainesville: 4965 SW 41st Blvd., FL 32608 • 352.377.2349 • Job ID: E82001

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☐ **Microfilm:** 107001 USA Today, Wash. D.C. 20005 - 054 890 2288 - 144 IC. 090525

☒ Tampa: 9610 Princess Palm Ave., FL 33619 • 813.630.9616 • Lab ID: E84589

Client Name:		Hills. Co. Public Utilities	Project Name:		Sydney Mine Superfund Site
Address:		332 North Falkenburg Rd Tampa, Florida 33619	Project Number:		N/A
Phone:		(813) 663-3222	PO Number:		N/A
FAX:		(813) 274-6801	FDEP Facility No.:		
Contact:		Michael Townsel	FDEP Facility Addr.:		Dover, FL
Sampled By:		J P A M M C H	Special Instructions:		
Turn Around Time:		Standard			
AEL Profile #:		Rush			
SAMPLE ID		SAMPLE DESCRIPTION	ADAPT	EQUIS	Other
			Grab Comp	SAMPLING DATE TIME	MATRIX NO. COUNT
	Trip Blank		/	7/10/2034	P1 3
	P-5		G	831	GW 3
	OPRW-12		G	933	GW 3
	SRW-4		G	1030	GW 3
	NDW-6		G	1158	GW 3
	SRW-2		G	1259	GW 3
	Field Blank		G	1300	P1 3
	BVR-4		G	942	GW 3
	BV-14		G	1058	GW 3
	BV-13		G	1138	GW 3

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge Preservation Code: I = ice H=(HCl) S = (H₂SO₄) N = (HNO₃) T = (Sodium Thiosulfate)

Received on Ice ☐ Yes ☒ No ☐ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked

DCN: AD-D051web Form last revised 08/07/2019 Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V F: 1A

Relinquished by: _____ Date: 7/10

Received by: _____ Date: 7/10/2019

FOR DRINKING WATER USE:
 (When PWS Information not otherwise supplied) PWS ID: _____
 Contact Person: _____
 Supplier of Water: _____
 Site Address: _____



FOR DRINKING WATER USE:

GROUNDWATER SAMPLING LOG

PURGING DATA

SAMPLING DATA

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

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

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: FIELD BLANK	SAMPLE ID: FIELD BLANK 24000186-34	DATE: 7/10/2024	

PURGING DATA

WELL DIAMETER (inches): N/A	TUBING DIAMETER (inches): N/A	WELL SCREEN INTERVAL DEPTH: -- feet to -- feet	STATIC DEPTH TO WATER (feet): N/A	PURGE PUMP TYPE OR BAILER: N/A
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (N/A feet - N/A feet) X N/A gallons/foot = N/A gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): N/A	FINAL PUMP OR TUBING DEPTH IN WELL (feet): N/A	PURGING INITIATED AT: N/A	PURGING ENDED AT: N/A	TOTAL VOLUME PURGED (gallons): N/A

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)												
Field Blank 7/10/2024 JD																							

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JD AM		SAMPLER(S) SIGNATURE(S): <i>Julie Dyer / AM Allen</i>		SAMPLING INITIATED AT: 1230	SAMPLING ENDED AT: 1233
PUMP OR TUBING DEPTH IN WELL (feet): N/A		TUBING MATERIAL CODE: N/A	FIELD-FILTERED: Y (N)	FILTER SIZE: ____ μm	
FIELD DECONTAMINATION: PUMP Y (N) Dedicated		TUBING Y (N) Dedicated	DUPLICATE: Y (N)		

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)								
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH											
SEE COC FOR ANALYSIS ← ORP: N/A																	

SEE COC FOR ANALYSIS ← ORP: N/A

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: NDW-6	SAMPLE ID: NDW-624060186-24	DATE: 7/10/2024	

PURGING DATA

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 44.18 feet to 51.68 feet	STATIC DEPTH TO WATER (feet): 31.56	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (51.68 feet - 31.56 feet) X 0.65 gallons/foot = 13.08 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 50.68	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 50.68	PURGING INITIATED AT: 1041	PURGING ENDED AT: 1158	TOTAL VOLUME PURGED (gallons): 20.02							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1132	13.26	13.26	0.26	31.02	6.22	25.5	159.6	2.14 / 26.2	10.7	clear	None
1145	3.38	16.64	0.26	34.02	6.20	25.4	159.2	2.17 / 26.4	8.57	↓	↓
1158	3.38	20.02	0.26	34.02	6.18	25.3	158.9	2.13 / 26.1	8.49	↓	↓
JD 7/10/2024											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JD AM				SAMPLER(S) SIGNATURE(S): <i>Quilley/Amador</i>				SAMPLING INITIATED AT: 1158		SAMPLING ENDED AT: 1205	
PUMP OR TUBING DEPTH IN WELL (feet): 50.68				TUBING MATERIAL CODE: T		FIELD-FILTERED: Y (N)		FILTER SIZE: _____ μm			
FIELD DECONTAMINATION: PUMP Y N (Dedicated)				TUBING Y N (Dedicated)		DUPLICATE: Y (N)					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
							VOC				400
SEE C.O.C. FOR SAMPLE ANALYSIS											
ORP: 1132(72.4) 1145(78.0) 1158(80.8)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

GROUNDWATER SAMPLING LOG

PURGING DATA

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

$$= (38.14 \text{ feet} - 29.35 \text{ feet}) \times 0.65 \text{ gallons/foot} = 5.72 \text{ gallons}$$

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

$$= \text{N/A gallons} + (\text{N/A gallons/foot} \times \text{N/A feet}) + \text{N/A gallons} = \text{N/A gallons}$$

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1026	5.85	5.85	0.15	31.23	6.29	25.8	369.0	0.1 / 1.2	2.78	clear	None
1028	0.3	6.15	0.15	31.23	6.27	25.7	368.6	0.09 / 1.1	2.26	↓	↓
1030	0.3	6.45	0.15	31.23	6.29	25.7	368.8	0.09 / 1.1	2.81	↓	↓
JD 7/10/2024											

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88									
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016									

PURGING EQUIPMENT CODES: B = Bailer, BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

PUMP OR TUBING	TUBING	FIELD-FILTERED: Y ☒ N	INITIATED AT: 1055	ENDED AT: 1055
DEPTH IN WELL (feet): 38.14	MATERIAL CODE: T	Filteration Equipment Type:	FILTER SIZE: _____ μm	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

					VOC	400
SEE C.O.C. FOR SAMPLE ANALYSIS						

ORP: 1026 (-59.1) 1028 (-56.2) 1030 (-60.3)

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

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

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

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

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

DEP-SOP-001/01
FS 2200 Groundwater Sampling

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Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: P-5	SAMPLE ID: P-524060186-32	DATE: 7/10/2024	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 118.62 ft to 128.62 ft	STATIC DEPTH TO WATER (feet): 43.86	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (128.62 feet - 43.86 feet) X 0.16 gallons/foot = 13.57 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 127.62	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 127.62	PURGING INITIATED AT: 649	PURGING ENDED AT: 831	TOTAL VOLUME PURGED (gallons): 20.4							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μ mhos/cm or μ S/cm	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
757	13.6	13.6	0.2	43.91	6.93	23.6	621	0.27 / 3.2	3.27	clear	None
814	3.4	17	0.2	43.91	6.94	23.7	620	0.21 / 2.4	2.70	↓	↓
831	3.4	20.4	0.2	43.91	6.98	23.7	621	0.15 / 1.7	2.58	↓	↓
JD 7/10/2024											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JD AM				SAMPLER(S) SIGNATURE(S): <i>John M. Allen</i>				SAMPLING INITIATED AT: 831		SAMPLING ENDED AT: 834	
PUMP OR TUBING DEPTH IN WELL (feet): 127.62				TUBING MATERIAL CODE: T				FIELD-FILTERED: Y (N) Filtration Equipment Type:		FILTER SIZE: <u> </u> μ m	
FIELD DECONTAMINATION: PUMP Y N (Dedicated)				TUBING Y N (Dedicated)				DUPLICATE: Y (N)			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
							VOC				400
SEE C.O.C. FOR SAMPLE ANALYSIS											
ORP: 757 (-95.3) 814 (-92.8) 831 (-92.9)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: OPRW - 12	SAMPLE ID: OPRW - 124060186-29	DATE: 7/10/2024	

PURGING DATA

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 8.27 feet to 12.27 feet	STATIC DEPTH TO WATER (feet): 7.39	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (12.27 feet - 7.39 feet) X 0.65 gallons/foot = 3.18 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11.27	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 11.27	PURGING INITIATED AT: 845	PURGING ENDED AT: 933	TOTAL VOLUME PURGED (gallons): 4.8							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
917	3.20	3.20	0.1	7.94	6.16	27.9	187.6	0.32/4.1	15.6	clear	None
925	0.8	4	0.1	7.94	6.19	28.0	192.3	0.30/3.9	14.7	↓	↓
933	0.8	4.8	0.1	7.94	6.20	28.1	193.6	0.28/3.7	13.0	↓	↓
JD 7/10/2024											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JD AM				SAMPLER(S) SIGNATURE(S): <i>Quentin A. McAllen</i>				SAMPLING INITIATED AT: 933		SAMPLING ENDED AT: 937	
PUMP OR TUBING DEPTH IN WELL (feet): 11.27				TUBING MATERIAL CODE: T		FIELD-FILTERED: Y ☒ N ☐		FILTER SIZE: <u> </u> μm			
FIELD DECONTAMINATION: PUMP Y N ☒ Dedicated				TUBING Y N ☒ Dedicated		DUPLICATE: Y ☐ N ☒					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
							VOC				400
SEE C.O.C. FOR SAMPLE ANALYSIS											
ORP: 917 (-31.0) 925 (-30.9) 933 (-31.2)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

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

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

DEP-SOP-001/01
FS 2200 Groundwater Sampling

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: BV-14	SAMPLE ID: BV-14 24060186-10	DATE: 7/10/24	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 68.58 feet to 78.58 feet	STATIC DEPTH TO WATER (feet): 25.78	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (78.58 feet - 25.78 feet) X 0.16 gallons/foot = 8.42 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 77.58	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 77.58	PURGING INITIATED AT: 953	PURGING ENDED AT: 1058	TOTAL VOLUME PURGED (gallons): 12.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μ mhos/cm or μ S/cm	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1036	8.60	8.60	0.20	26.29	6.78	28.0	209	1.39 / 17.7	14.4	Clear	None
1047	2.20	10.80	0.20	26.29	6.80	28.1	715	1.23 / 15.8	17.4	Clear	None
1058	2.20	12.0	0.20	26.29	6.83	28.2	722	1.15 / 15.0	11.7	Clear	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: M. Morales / C. Harrington				SAMPLER(S) SIGNATURE(S): M. Morales / C. Harrington				SAMPLING INITIATED AT: 1058		SAMPLING ENDED AT: 1103	
PUMP OR TUBING DEPTH IN WELL (feet): 77.58				TUBING MATERIAL CODE: T		FIELD-FILTERED: Y ☒ FILTER SIZE: <u>10</u> μ m			Filtration Equipment Type:		
FIELD DECONTAMINATION: PUMP Y ☒ N ☒ Dedicated				TUBING Y ☒ N ☒ Dedicated		DUPLICATE: Y ☒ N ☒					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	VOC				
SEE C.O.C. FOR SAMPLE ANALYSIS											
ORP: 1036 (-30.7) 1047 (-26.3) 1058 (-23.4)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: BVR - 4	SAMPLE ID: BVR - 4 24060186-03	DATE: 7/10/24	

PURGING DATA

WELL DIAMETER (inches): 6	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 32.70 feet to 62.70 feet	STATIC DEPTH TO WATER (feet): 20.98	PURGE PUMP TYPE OR BAILER: BP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (62.70 feet - 20.98 feet) X 1.47 gallons/foot = 61.40 gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 61.70	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 61.70	PURGING INITIATED AT: 643	PURGING ENDED AT: 942	TOTAL VOLUME PURGED (gallons): 93.08

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
842	61.88	61.88	0.52	21.11	5.71	24.6	194.3	0.13 / 1.6	1.2	Clear	None
912	15.60	77.48	0.52	21.11	5.74	24.6	194.9	0.14 / 1.7	12.67	Clear	None
942	15.60	93.08	0.52	21.11	5.79	24.7	194.4	0.13 / 1.6	1.16	Clear	None

M.M. 7/10/24

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: M. Morales / C. Herrington				SAMPLER(S) SIGNATURE(S): M. Morales / C. Herrington				SAMPLING INITIATED AT: 942		SAMPLING ENDED AT: 947	
PUMP OR TUBING DEPTH IN WELL (feet): 61.70				TUBING MATERIAL CODE: T		FIELD-FILTERED: Y ☒ FILTER SIZE: ____ μm				Filtration Equipment Type:	
FIELD DECONTAMINATION: PUMP Y N Dedicated				TUBING Y N Dedicated				DUPLICATE: Y ☒			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
							Vac		400

SEE C.O.C. FOR SAMPLE ANALYSIS

ORP: 842 (59.5) 912 (59.1) 942 (57.6)

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: ND - 3D	SAMPLE ID: ND - 3D 24060186-23	DATE: 7/10/24	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 20.93 feet to 30.93 feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (30.93 feet - 21.37 feet) X 0.16 gallons/foot = 1.53 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 29.93	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 29.93	PURGING INITIATED AT: 1150	PURGING ENDED AT: 1200	TOTAL VOLUME PURGED (gallons): 2.70							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μ mhos/cm or μ S/cm	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1156	1.62	1.62	.27	21.92	6.07	27.9	251.2	2.15 / 27.3	8.58	Clear	None
1158	.54	2.16	.27	21.92	6.04	27.9	251.0	2.16 / 27.4	6.68	Clear	None
1200	.54	2.70	.27	21.92	6.02	27.8	249.2	2.14 / 27.3	10.6	Clear	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: M. Mader / C. Harrington				SAMPLER(S) SIGNATURE(S): M. Mader / C. Harrington				SAMPLING INITIATED AT: 1200		SAMPLING ENDED AT: 1205	
PUMP OR TUBING DEPTH IN WELL (feet): 29.93				TUBING MATERIAL CODE: T		FIELD-FILTERED: Y (N)		FILTER SIZE: _____ μ m			
FIELD DECONTAMINATION: PUMP Y N Dedicated				TUBING Y N Dedicated		DUPLICATE: Y (N)					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
SEE C.O.C. FOR SAMPLE ANALYSIS											
ORP: 1156 (47.8) 1158 (44.8) 1200 (42.3)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: BV - 13	SAMPLE ID: BV - 13	DATE: 7/10/24	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 42.28 feet to 52.28 feet	STATIC DEPTH TO WATER (feet): 25.30	PURGE PUMP TYPE OR BAILER: BP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (52.28 feet - 25.30 feet) X 0.16 gallons/foot = 4.32 gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 51.28	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 51.28	PURGING INITIATED AT: 1109	PURGING ENDED AT: 1138	TOTAL VOLUME PURGED (gallons): 6.80

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μ mhos/cm or μ S/cm	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1126	4.40	4.40	0.20	25.37	5.87	31.5	183.4	2.22 / 30.3	12.3	Clear	None
1132	1.20	5.60	0.20	25.37	5.87	31.6	185.6	2.23 / 30.4	8.62	Clear	None
1138	1.20	6.80	0.20	25.37	5.85	31.7	185.2	2.27 / 30.6	8.13	Clear	None

M. M.
7/10/24

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: M. Morales / C. Herrington		SAMPLER(S) SIGNATURE(S): M. Morales / C. Herrington		SAMPLING INITIATED AT: 1130	SAMPLING ENDED AT: 1143
PUMP OR TUBING DEPTH IN WELL (feet): 51.28		TUBING MATERIAL CODE: T	FIELD-FILTERED: Y ☒	FILTER SIZE: _____ μ m	
FIELD DECONTAMINATION: PUMP Y ☒ N ☒ Dedicated		TUBING Y ☒ N ☒ Dedicated	DUPLICATE: Y ☒ N ☒		

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
							VOC		400
SEE C.O.C. FOR SAMPLE ANALYSIS									

ORP: 1126 (74.6) 1132 (73.3) 1138 (75.3)

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

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

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

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

DEP-SOP-001/01
FS 2200 Groundwater Sampling

50
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Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: BV - 1	SAMPLE ID: BV - 1 24060186-01-1	DATE: 7/10/24	

PURGING DATA

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 52.68 feet to 62.68 feet	STATIC DEPTH TO WATER (feet): 25.94	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (62.68 feet - 25.94 feet) X 0.65 gallons/foot = 23.89 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 61.68	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 61.68	PURGING INITIATED AT: 1212	PURGING ENDED AT: 1328	TOTAL VOLUME PURGED (gallons): 36.48							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1302	24.0	24.0	0.48	26.31	5.58	24.6	182.5	1.67 / 19.8	6.89	Clear	None
1315	6.24	30.24	0.48	26.31	5.57	24.7	181.9	1.65 / 19.7	6.98	Clear	None
1328	6.24	36.48	0.48	26.31	5.61	24.7	182.9	1.70 / 20.4	5.55	Clear	None
M.M 7/10/24											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: M. Morales / C. Harrington				SAMPLER(S) SIGNATURE(S): M. Morales / C. Harrington				SAMPLING INITIATED AT: 1328		SAMPLING ENDED AT: 1933	
PUMP OR TUBING DEPTH IN WELL (feet): 61.68				TUBING MATERIAL CODE: T		FIELD-FILTERED: Y (N)		FILTER SIZE: _____ µm			
FIELD DECONTAMINATION: PUMP Y N (Dedicated)				TUBING Y N (Dedicated)		DUPLICATE: Y (N)					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					SAMPLE PUMP FLOW RATE (mL per minute)
							Voc				400
SEE C.O.C. FOR SAMPLE ANALYSIS											
ORP: 1302 (68.0) 1315 (67.0) 1328 (68.0)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

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

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



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FINAL

Workorder: Sydney Mine (T2416102)

August 01, 2024

Michael Townsel
Hillsborough Co Public Utilities
332 North Falkenburg Rd
Tampa, FL 33619

RE: Workorder: T2416102 Sydney Mine

Dear Michael Townsel:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday July 11, 2024. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

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

Sincerely,

Heidi Parker, Project Manager
HParker@aellab.com

Certificate of Analysis

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without the written consent of Advanced Environmental Laboratories, Inc.



NELAP Accredited E84589



FINAL

Workorder: Sydney Mine (T2416102)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
T2416102001	Trip Blank	WA	SW-846 8260D	07/11/2024 00:00	07/11/2024 14:40	66	NA
T2416102001	Trip Blank	WA	SW-846 8260D (SIM)	07/11/2024 00:00	07/11/2024 14:40	3	NA
T2416102002	OPRW-2	WA	Field Measurements	07/11/2024 08:43	07/11/2024 14:40	6	NA
T2416102002	OPRW-2	WA	SW-846 8260D	07/11/2024 08:43	07/11/2024 14:40	66	NA
T2416102002	OPRW-2	WA	SW-846 8260D (SIM)	07/11/2024 08:43	07/11/2024 14:40	3	NA
T2416102003	SRW-5	WA	Field Measurements	07/11/2024 10:48	07/11/2024 14:40	6	NA
T2416102003	SRW-5	WA	SW-846 8260D	07/11/2024 10:48	07/11/2024 14:40	66	NA
T2416102003	SRW-5	WA	SW-846 8260D (SIM)	07/11/2024 10:48	07/11/2024 14:40	3	NA
T2416102004	BV-9	WA	Field Measurements	07/11/2024 13:56	07/11/2024 14:40	6	NA
T2416102004	BV-9	WA	SW-846 8260D	07/11/2024 13:56	07/11/2024 14:40	66	NA
T2416102004	BV-9	WA	SW-846 8260D (SIM)	07/11/2024 13:56	07/11/2024 14:40	3	NA
T2416102005	DUPLICATE	WA	SW-846 8260D	07/11/2024 00:00	07/11/2024 14:40	66	NA
T2416102005	DUPLICATE	WA	SW-846 8260D (SIM)	07/11/2024 00:00	07/11/2024 14:40	3	NA
T2416102006	HW-4	WA	Field Measurements	07/11/2024 09:25	07/11/2024 14:40	6	NA
T2416102006	HW-4	WA	SW-846 8260D	07/11/2024 09:25	07/11/2024 14:40	66	NA
T2416102006	HW-4	WA	SW-846 8260D (SIM)	07/11/2024 09:25	07/11/2024 14:40	3	NA
T2416102007	BVR-6	WA	Field Measurements	07/11/2024 12:17	07/11/2024 14:40	6	NA
T2416102007	BVR-6	WA	SW-846 8260D	07/11/2024 12:17	07/11/2024 14:40	66	NA
T2416102007	BVR-6	WA	SW-846 8260D (SIM)	07/11/2024 12:17	07/11/2024 14:40	3	NA

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FINAL

Workorder: Sydney Mine (T2416102)

Workorder Summary

Batch Comments

MSVt/9688 - 8260D SIM Analysis,Water

Sample T2416796001 was originally run at a dilution factor of 20X based on results from different analysis (8260 BTEX)

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results Qualifiers

Parameter Qualifiers

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

Lab Qualifiers

- T^ Not Certified
- T DOH Certification #E84589 (FL NELAC) AEL-Tampa

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Lab ID:	T2416102001	Date Collected:	07/11/2024 00:00			Matrix:	Water	
Sample ID:	Trip Blank	Date Received:	07/11/2024 14:40					
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/23/2024 23:06	07/24/2024 02:27	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/23/2024 23:06	07/24/2024 02:27	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/23/2024 23:06	07/24/2024 02:27	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/23/2024 23:06	07/24/2024 02:27	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/23/2024 23:06	07/24/2024 02:27	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/23/2024 23:06	07/24/2024 02:27	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/23/2024 23:06	07/24/2024 02:27	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	07/23/2024 23:06	07/24/2024 02:27	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/23/2024 23:06	07/24/2024 02:27	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/23/2024 23:06	07/24/2024 02:27	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/23/2024 23:06	07/24/2024 02:27	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/23/2024 23:06	07/24/2024 02:27	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/23/2024 23:06	07/24/2024 02:27	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	07/23/2024 23:06	07/24/2024 02:27	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/23/2024 23:06	07/24/2024 02:27	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/23/2024 23:06	07/24/2024 02:27	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/23/2024 23:06	07/24/2024 02:27	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/23/2024 23:06	07/24/2024 02:27	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/23/2024 23:06	07/24/2024 02:27	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/23/2024 23:06	07/24/2024 02:27	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/23/2024 23:06	07/24/2024 02:27	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/23/2024 23:06	07/24/2024 02:27	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/23/2024 23:06	07/24/2024 02:27	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/23/2024 23:06	07/24/2024 02:27	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/23/2024 23:06	07/24/2024 02:27	T

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Lab ID: T2416102001 **Date Collected:** 07/11/2024 00:00 **Matrix:** Water
Sample ID: Trip Blank **Date Received:** 07/11/2024 14:40

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/23/2024 23:06	07/24/2024 02:27	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/23/2024 23:06	07/24/2024 02:27	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/23/2024 23:06	07/24/2024 02:27	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/23/2024 23:06	07/24/2024 02:27	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/23/2024 23:06	07/24/2024 02:27	T
Benzene	0.28 U	ug/L	1.0	0.28	1	07/23/2024 23:06	07/24/2024 02:27	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/23/2024 23:06	07/24/2024 02:27	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/23/2024 23:06	07/24/2024 02:27	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/23/2024 23:06	07/24/2024 02:27	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/23/2024 23:06	07/24/2024 02:27	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/23/2024 23:06	07/24/2024 02:27	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/23/2024 23:06	07/24/2024 02:27	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/23/2024 23:06	07/24/2024 02:27	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	07/23/2024 23:06	07/24/2024 02:27	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/23/2024 23:06	07/24/2024 02:27	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/23/2024 23:06	07/24/2024 02:27	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/23/2024 23:06	07/24/2024 02:27	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/23/2024 23:06	07/24/2024 02:27	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/23/2024 23:06	07/24/2024 02:27	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/23/2024 23:06	07/24/2024 02:27	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/23/2024 23:06	07/24/2024 02:27	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/23/2024 23:06	07/24/2024 02:27	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/23/2024 23:06	07/24/2024 02:27	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/23/2024 23:06	07/24/2024 02:27	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/23/2024 23:06	07/24/2024 02:27	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/23/2024 23:06	07/24/2024 02:27	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/23/2024 23:06	07/24/2024 02:27	T

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Lab ID: T2416102001
Sample ID: Trip Blank

Date Collected: 07/11/2024 00:00
Date Received: 07/11/2024 14:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Styrene	0.29 U	ug/L	1.0	0.29	1	07/23/2024 23:06	07/24/2024 02:27	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/23/2024 23:06	07/24/2024 02:27	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/23/2024 23:06	07/24/2024 02:27	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/23/2024 23:06	07/24/2024 02:27	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/23/2024 23:06	07/24/2024 02:27	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/23/2024 23:06	07/24/2024 02:27	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/23/2024 23:06	07/24/2024 02:27	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/23/2024 23:06	07/24/2024 02:27	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/23/2024 23:06	07/24/2024 02:27	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/23/2024 23:06	07/24/2024 02:27	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/23/2024 23:06	07/24/2024 02:27	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/23/2024 23:06	07/24/2024 02:27	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/23/2024 23:06	07/24/2024 02:27	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/23/2024 23:06	07/24/2024 02:27	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/23/2024 23:06	07/24/2024 02:27	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/23/2024 23:06	07/24/2024 02:27	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/23/2024 23:06	07/24/2024 02:27	T

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	50	99	70 - 128	T
Toluene-d8 (S)	ug/L	50	53	106	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	55	109	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	42	84	70 - 128	T
Toluene-d8 (S)	ug/L	50	47	94	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	55	110	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Lab ID: T2416102002	Date Collected: 07/11/2024 08:43				Matrix: Water			
Sample ID: OPRW-2	Date Received: 07/11/2024 14:40							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	261.3	umhos/cm			1	07/11/2024 08:43	07/11/2024 08:43	
Dissolved Oxygen	5.44	mg/L			1	07/11/2024 08:43	07/11/2024 08:43	
ORP-2580BW	-19.5	mV			1	07/11/2024 08:43	07/11/2024 08:43	
Temperature	26.5	°C			1	07/11/2024 08:43	07/11/2024 08:43	
Turbidity	13.7	NTU			1	07/11/2024 08:43	07/11/2024 08:43	
pH	6.84	SU			1	07/11/2024 08:43	07/11/2024 08:43	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/23/2024 23:06	07/24/2024 02:53	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/23/2024 23:06	07/24/2024 02:53	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/23/2024 23:06	07/24/2024 02:53	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/23/2024 23:06	07/24/2024 02:53	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/23/2024 23:06	07/24/2024 02:53	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/23/2024 23:06	07/24/2024 02:53	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/23/2024 23:06	07/24/2024 02:53	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	07/23/2024 23:06	07/24/2024 02:53	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/23/2024 23:06	07/24/2024 02:53	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/23/2024 23:06	07/24/2024 02:53	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/23/2024 23:06	07/24/2024 02:53	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/23/2024 23:06	07/24/2024 02:53	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/23/2024 23:06	07/24/2024 02:53	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	07/23/2024 23:06	07/24/2024 02:53	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/23/2024 23:06	07/24/2024 02:53	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/23/2024 23:06	07/24/2024 02:53	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/23/2024 23:06	07/24/2024 02:53	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/23/2024 23:06	07/24/2024 02:53	T

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Lab ID: T2416102002
Sample ID: OPRW-2

Date Collected: 07/11/2024 08:43
Date Received: 07/11/2024 14:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/23/2024 23:06	07/24/2024 02:53	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/23/2024 23:06	07/24/2024 02:53	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/23/2024 23:06	07/24/2024 02:53	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/23/2024 23:06	07/24/2024 02:53	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/23/2024 23:06	07/24/2024 02:53	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/23/2024 23:06	07/24/2024 02:53	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/23/2024 23:06	07/24/2024 02:53	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/23/2024 23:06	07/24/2024 02:53	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/23/2024 23:06	07/24/2024 02:53	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/23/2024 23:06	07/24/2024 02:53	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/23/2024 23:06	07/24/2024 02:53	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/23/2024 23:06	07/24/2024 02:53	T
Benzene	0.28 U	ug/L	1.0	0.28	1	07/23/2024 23:06	07/24/2024 02:53	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/23/2024 23:06	07/24/2024 02:53	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/23/2024 23:06	07/24/2024 02:53	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/23/2024 23:06	07/24/2024 02:53	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/23/2024 23:06	07/24/2024 02:53	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/23/2024 23:06	07/24/2024 02:53	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/23/2024 23:06	07/24/2024 02:53	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/23/2024 23:06	07/24/2024 02:53	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	07/23/2024 23:06	07/24/2024 02:53	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/23/2024 23:06	07/24/2024 02:53	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/23/2024 23:06	07/24/2024 02:53	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/23/2024 23:06	07/24/2024 02:53	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/23/2024 23:06	07/24/2024 02:53	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/23/2024 23:06	07/24/2024 02:53	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/23/2024 23:06	07/24/2024 02:53	T

Thursday, August 1, 2024 3:32:55 PM
Dates and times are displayed using (-04:00)
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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Lab ID: T2416102002
Sample ID: OPRW-2

Date Collected: 07/11/2024 08:43
Date Received: 07/11/2024 14:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/23/2024 23:06	07/24/2024 02:53	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/23/2024 23:06	07/24/2024 02:53	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/23/2024 23:06	07/24/2024 02:53	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/23/2024 23:06	07/24/2024 02:53	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/23/2024 23:06	07/24/2024 02:53	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/23/2024 23:06	07/24/2024 02:53	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/23/2024 23:06	07/24/2024 02:53	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/23/2024 23:06	07/24/2024 02:53	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/23/2024 23:06	07/24/2024 02:53	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/23/2024 23:06	07/24/2024 02:53	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/23/2024 23:06	07/24/2024 02:53	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/23/2024 23:06	07/24/2024 02:53	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/23/2024 23:06	07/24/2024 02:53	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/23/2024 23:06	07/24/2024 02:53	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/23/2024 23:06	07/24/2024 02:53	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/23/2024 23:06	07/24/2024 02:53	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/23/2024 23:06	07/24/2024 02:53	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/23/2024 23:06	07/24/2024 02:53	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/23/2024 23:06	07/24/2024 02:53	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/23/2024 23:06	07/24/2024 02:53	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/23/2024 23:06	07/24/2024 02:53	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/23/2024 23:06	07/24/2024 02:53	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/23/2024 23:06	07/24/2024 02:53	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/23/2024 23:06	07/24/2024 02:53	T

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	48	96	70 - 128	T
Toluene-d8 (S)	ug/L	50	53	106	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	52	103	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	40	80	70 - 128	T
Toluene-d8 (S)	ug/L	50	47	95	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	52	104	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Lab ID: T2416102003
Sample ID: SRW-5

Date Collected: 07/11/2024 10:48
Date Received: 07/11/2024 14:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	446.1	umhos/cm			1	07/11/2024 10:48	07/11/2024 10:48	
Dissolved Oxygen	0.59	mg/L			1	07/11/2024 10:48	07/11/2024 10:48	
ORP-2580BW	-21.4	mV			1	07/11/2024 10:48	07/11/2024 10:48	
Temperature	24	°C			1	07/11/2024 10:48	07/11/2024 10:48	
Turbidity	1.27	NTU			1	07/11/2024 10:48	07/11/2024 10:48	
pH	6.01	SU			1	07/11/2024 10:48	07/11/2024 10:48	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/19/2024 04:22	07/19/2024 15:45	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/19/2024 04:22	07/19/2024 15:45	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/19/2024 04:22	07/19/2024 15:45	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/19/2024 04:22	07/19/2024 15:45	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 15:45	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/19/2024 04:22	07/19/2024 15:45	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 15:45	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 15:45	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 15:45	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 15:45	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 15:45	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/19/2024 04:22	07/19/2024 15:45	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 15:45	T
1,2-Dichlorobenzene	2.8	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 15:45	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 15:45	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/19/2024 04:22	07/19/2024 15:45	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 15:45	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 15:45	T

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Lab ID: T2416102003
Sample ID: SRW-5

Date Collected: 07/11/2024 10:48
Date Received: 07/11/2024 14:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 15:45	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 15:45	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 15:45	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 15:45	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/19/2024 04:22	07/19/2024 15:45	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 15:45	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 15:45	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 15:45	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 15:45	T
Acetone	2.5	ug/L	2.0	0.90	1	07/19/2024 04:22	07/19/2024 15:45	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/19/2024 04:22	07/19/2024 15:45	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/19/2024 04:22	07/19/2024 15:45	T
Benzene	4.0	ug/L	1.0	0.28	1	07/19/2024 04:22	07/19/2024 15:45	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 15:45	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 15:45	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 15:45	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 15:45	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 15:45	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 15:45	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 15:45	T
Chlorobenzene	6.1	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 15:45	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 15:45	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 15:45	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 15:45	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 15:45	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 15:45	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/19/2024 04:22	07/19/2024 15:45	T

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Lab ID: T2416102003
Sample ID: SRW-5

Date Collected: 07/11/2024 10:48
Date Received: 07/11/2024 14:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 15:45	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 15:45	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/19/2024 04:22	07/19/2024 15:45	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 15:45	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/19/2024 04:22	07/19/2024 15:45	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 15:45	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/19/2024 04:22	07/19/2024 15:45	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/19/2024 04:22	07/19/2024 15:45	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 15:45	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/19/2024 04:22	07/19/2024 15:45	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 15:45	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 15:45	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 15:45	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 15:45	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/19/2024 04:22	07/19/2024 15:45	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 15:45	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 15:45	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/19/2024 04:22	07/19/2024 15:45	T
n-propylbenzene	0.66 I	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 15:45	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/19/2024 04:22	07/19/2024 15:45	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 15:45	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 15:45	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 15:45	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 15:45	T

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	56	112	70 - 128	T
Toluene-d8 (S)	ug/L	50	54	108	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	107	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	47	94	70 - 128	T
Toluene-d8 (S)	ug/L	50	48	96	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	107	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Lab ID: T2416102004
Sample ID: BV-9

Date Collected: 07/11/2024 13:56
Date Received: 07/11/2024 14:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	594	umhos/cm			1	07/11/2024 13:56	07/11/2024 13:56	
Dissolved Oxygen	0.62	mg/L			1	07/11/2024 13:56	07/11/2024 13:56	
ORP-2580BW	-31	mV			1	07/11/2024 13:56	07/11/2024 13:56	
Temperature	23.6	°C			1	07/11/2024 13:56	07/11/2024 13:56	
Turbidity	130	NTU			1	07/11/2024 13:56	07/11/2024 13:56	
pH	6.14	SU			1	07/11/2024 13:56	07/11/2024 13:56	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/19/2024 04:22	07/19/2024 14:54	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/19/2024 04:22	07/19/2024 14:54	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/19/2024 04:22	07/19/2024 14:54	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/19/2024 04:22	07/19/2024 14:54	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 14:54	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/19/2024 04:22	07/19/2024 14:54	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 14:54	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 14:54	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 14:54	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 14:54	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 14:54	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/19/2024 04:22	07/19/2024 14:54	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 14:54	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 14:54	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 14:54	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/19/2024 04:22	07/19/2024 14:54	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 14:54	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 14:54	T

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Lab ID: T2416102004	Date Collected: 07/11/2024 13:56					Matrix: Water		
Sample ID: BV-9	Date Received: 07/11/2024 14:40							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 14:54	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 14:54	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 14:54	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 14:54	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/19/2024 04:22	07/19/2024 14:54	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 14:54	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 14:54	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 14:54	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 14:54	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/19/2024 04:22	07/19/2024 14:54	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/19/2024 04:22	07/19/2024 14:54	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/19/2024 04:22	07/19/2024 14:54	T
Benzene	0.49 I	ug/L	1.0	0.28	1	07/19/2024 04:22	07/19/2024 14:54	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 14:54	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 14:54	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 14:54	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 14:54	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 14:54	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 14:54	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 14:54	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 14:54	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 14:54	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 14:54	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 14:54	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 14:54	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 14:54	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/19/2024 04:22	07/19/2024 14:54	T

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Lab ID: T2416102004
Sample ID: BV-9

Date Collected: 07/11/2024 13:56
Date Received: 07/11/2024 14:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 14:54	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 14:54	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/19/2024 04:22	07/19/2024 14:54	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 14:54	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/19/2024 04:22	07/19/2024 14:54	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 14:54	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/19/2024 04:22	07/19/2024 14:54	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/19/2024 04:22	07/19/2024 14:54	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 14:54	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/19/2024 04:22	07/19/2024 14:54	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 14:54	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 14:54	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 14:54	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 14:54	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/19/2024 04:22	07/19/2024 14:54	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 14:54	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 14:54	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/19/2024 04:22	07/19/2024 14:54	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 14:54	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/19/2024 04:22	07/19/2024 14:54	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 14:54	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 14:54	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 14:54	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 14:54	T

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	57	114	70 - 128	T
Toluene-d8 (S)	ug/L	50	52	105	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	48	96	70 - 128	T
Toluene-d8 (S)	ug/L	50	48	95	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	109	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Lab ID:	T2416102005	Date Collected:	07/11/2024 00:00				Matrix:	Water	
Sample ID:	DUPLICATE	Date Received:	07/11/2024 14:40						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))									
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/19/2024 04:22	07/19/2024 15:19	T	
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/19/2024 04:22	07/19/2024 15:19	T	
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/19/2024 04:22	07/19/2024 15:19	T	
VOLATILES (SW-846 5030B/SW-846 8260D)									
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/19/2024 04:22	07/19/2024 15:19	T	
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 15:19	T	
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/19/2024 04:22	07/19/2024 15:19	T	
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 15:19	T	
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 15:19	T	
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 15:19	T	
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 15:19	T	
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 15:19	T	
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/19/2024 04:22	07/19/2024 15:19	T	
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 15:19	T	
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 15:19	T	
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 15:19	T	
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/19/2024 04:22	07/19/2024 15:19	T	
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 15:19	T	
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 15:19	T	
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 15:19	T	
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 15:19	T	
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 15:19	T	
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 15:19	T	
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/19/2024 04:22	07/19/2024 15:19	T	
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 15:19	T	
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 15:19	T	

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Lab ID: T2416102005
Sample ID: DUPLICATE

Date Collected: 07/11/2024 00:00
Date Received: 07/11/2024 14:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 15:19	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 15:19	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/19/2024 04:22	07/19/2024 15:19	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/19/2024 04:22	07/19/2024 15:19	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/19/2024 04:22	07/19/2024 15:19	T
Benzene	0.51 I	ug/L	1.0	0.28	1	07/19/2024 04:22	07/19/2024 15:19	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 15:19	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 15:19	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 15:19	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 15:19	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 15:19	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 15:19	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 15:19	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 15:19	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 15:19	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 15:19	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 15:19	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 15:19	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 15:19	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/19/2024 04:22	07/19/2024 15:19	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 15:19	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 15:19	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/19/2024 04:22	07/19/2024 15:19	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 15:19	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/19/2024 04:22	07/19/2024 15:19	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 15:19	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/19/2024 04:22	07/19/2024 15:19	T

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Lab ID: T2416102005
Sample ID: DUPLICATE

Date Collected: 07/11/2024 00:00
Date Received: 07/11/2024 14:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Styrene	0.29 U	ug/L	1.0	0.29	1	07/19/2024 04:22	07/19/2024 15:19	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 15:19	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/19/2024 04:22	07/19/2024 15:19	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 15:19	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 15:19	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 15:19	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 15:19	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/19/2024 04:22	07/19/2024 15:19	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 15:19	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 15:19	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/19/2024 04:22	07/19/2024 15:19	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 15:19	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/19/2024 04:22	07/19/2024 15:19	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 15:19	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 15:19	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 15:19	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 15:19	T

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	56	112	70 - 128	T
Toluene-d8 (S)	ug/L	50	54	108	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	106	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	47	93	70 - 128	T
Toluene-d8 (S)	ug/L	50	47	95	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	107	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Lab ID: T2416102006	Date Collected: 07/11/2024 09:25				Matrix: Water			
Sample ID: HW-4	Date Received: 07/11/2024 14:40							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	445.6	umhos/cm			1	07/11/2024 09:25	07/11/2024 09:25	
Dissolved Oxygen	1.46	mg/L			1	07/11/2024 09:25	07/11/2024 09:25	
ORP-2580BW	27.9	mV			1	07/11/2024 09:25	07/11/2024 09:25	
Temperature	24	°C			1	07/11/2024 09:25	07/11/2024 09:25	
Turbidity	2.2	NTU			1	07/11/2024 09:25	07/11/2024 09:25	
pH	7.16	SU			1	07/11/2024 09:25	07/11/2024 09:25	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/19/2024 04:22	07/19/2024 10:13	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/19/2024 04:22	07/19/2024 10:13	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/19/2024 04:22	07/19/2024 10:13	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/19/2024 04:22	07/19/2024 10:13	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 10:13	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/19/2024 04:22	07/19/2024 10:13	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 10:13	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 10:13	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 10:13	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 10:13	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 10:13	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/19/2024 04:22	07/19/2024 10:13	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 10:13	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 10:13	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 10:13	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/19/2024 04:22	07/19/2024 10:13	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 10:13	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 10:13	T





FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Lab ID: T2416102006
Sample ID: HW-4

Date Collected: 07/11/2024 09:25
Date Received: 07/11/2024 14:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 10:13	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 10:13	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 10:13	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 10:13	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/19/2024 04:22	07/19/2024 10:13	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 10:13	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 10:13	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 10:13	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 10:13	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/19/2024 04:22	07/19/2024 10:13	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/19/2024 04:22	07/19/2024 10:13	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/19/2024 04:22	07/19/2024 10:13	T
Benzene	0.28 U	ug/L	1.0	0.28	1	07/19/2024 04:22	07/19/2024 10:13	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 10:13	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 10:13	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 10:13	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 10:13	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 10:13	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 10:13	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 10:13	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 10:13	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 10:13	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 10:13	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 10:13	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 10:13	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 10:13	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/19/2024 04:22	07/19/2024 10:13	T

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Lab ID: T2416102006
Sample ID: HW-4

Date Collected: 07/11/2024 09:25
Date Received: 07/11/2024 14:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 10:13	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 10:13	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/19/2024 04:22	07/19/2024 10:13	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 10:13	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/19/2024 04:22	07/19/2024 10:13	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 10:13	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/19/2024 04:22	07/19/2024 10:13	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/19/2024 04:22	07/19/2024 10:13	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 10:13	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/19/2024 04:22	07/19/2024 10:13	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 10:13	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 10:13	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 10:13	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 10:13	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/19/2024 04:22	07/19/2024 10:13	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 10:13	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 10:13	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/19/2024 04:22	07/19/2024 10:13	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 10:13	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/19/2024 04:22	07/19/2024 10:13	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 10:13	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 10:13	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 10:13	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 10:13	T

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	50	100	70 - 128	T
Toluene-d8 (S)	ug/L	50	44	87	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	107	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	42	85	70 - 128	T
Toluene-d8 (S)	ug/L	50	49	97	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Lab ID: T2416102007
Sample ID: BVR-6

Date Collected: 07/11/2024 12:17
Date Received: 07/11/2024 14:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	207.1	umhos/cm			1	07/11/2024 12:17	07/11/2024 12:17	
Dissolved Oxygen	1.14	mg/L			1	07/11/2024 12:17	07/11/2024 12:17	
ORP-2580BW	16.2	mV			1	07/11/2024 12:17	07/11/2024 12:17	
Temperature	25.5	°C			1	07/11/2024 12:17	07/11/2024 12:17	
Turbidity	4.17	NTU			1	07/11/2024 12:17	07/11/2024 12:17	
pH	6.61	SU			1	07/11/2024 12:17	07/11/2024 12:17	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/19/2024 04:22	07/19/2024 14:28	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/19/2024 04:22	07/19/2024 14:28	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/19/2024 04:22	07/19/2024 14:28	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/19/2024 04:22	07/19/2024 14:28	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 14:28	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/19/2024 04:22	07/19/2024 14:28	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 14:28	T
1,1-Dichloroethane	1.3	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 14:28	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 14:28	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 14:28	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 14:28	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/19/2024 04:22	07/19/2024 14:28	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 14:28	T
1,2-Dichlorobenzene	2.5	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 14:28	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 14:28	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/19/2024 04:22	07/19/2024 14:28	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 14:28	T
1,3-Dichlorobenzene	0.80 I	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 14:28	T

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Lab ID: T2416102007
Sample ID: BVR-6

Date Collected: 07/11/2024 12:17
Date Received: 07/11/2024 14:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 14:28	T
1,4-Dichlorobenzene	0.71 I	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 14:28	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 14:28	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 14:28	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/19/2024 04:22	07/19/2024 14:28	T
2-Chlorotoluene	0.62 I	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 14:28	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 14:28	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 14:28	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/19/2024 04:22	07/19/2024 14:28	T
Acetone	2.3	ug/L	2.0	0.90	1	07/19/2024 04:22	07/19/2024 14:28	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/19/2024 04:22	07/19/2024 14:28	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/19/2024 04:22	07/19/2024 14:28	T
Benzene	4.6	ug/L	1.0	0.28	1	07/19/2024 04:22	07/19/2024 14:28	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 14:28	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/19/2024 04:22	07/19/2024 14:28	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 14:28	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 14:28	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 14:28	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 14:28	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 14:28	T
Chlorobenzene	7.5	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 14:28	T
Chloroethane	1.5	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 14:28	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 14:28	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 14:28	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/19/2024 04:22	07/19/2024 14:28	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 14:28	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/19/2024 04:22	07/19/2024 14:28	T

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Lab ID: T2416102007
Sample ID: BVR-6

Date Collected: 07/11/2024 12:17
Date Received: 07/11/2024 14:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 14:28	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 14:28	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/19/2024 04:22	07/19/2024 14:28	T
Isopropylbenzene	0.52 I	ug/L	1.0	0.42	1	07/19/2024 04:22	07/19/2024 14:28	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/19/2024 04:22	07/19/2024 14:28	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/19/2024 04:22	07/19/2024 14:28	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/19/2024 04:22	07/19/2024 14:28	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/19/2024 04:22	07/19/2024 14:28	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/19/2024 04:22	07/19/2024 14:28	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/19/2024 04:22	07/19/2024 14:28	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/19/2024 04:22	07/19/2024 14:28	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 14:28	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/19/2024 04:22	07/19/2024 14:28	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/19/2024 04:22	07/19/2024 14:28	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/19/2024 04:22	07/19/2024 14:28	T
cis-1,2-Dichloroethylene	0.77 I	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 14:28	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 14:28	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/19/2024 04:22	07/19/2024 14:28	T
n-propylbenzene	1.4	ug/L	1.0	0.34	1	07/19/2024 04:22	07/19/2024 14:28	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/19/2024 04:22	07/19/2024 14:28	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/19/2024 04:22	07/19/2024 14:28	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/19/2024 04:22	07/19/2024 14:28	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/19/2024 04:22	07/19/2024 14:28	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/19/2024 04:22	07/19/2024 14:28	T

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FINAL

Workorder: Sydney Mine (T2416102)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	56	113	70 - 128	T
Toluene-d8 (S)	ug/L	50	49	98	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	105	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	47	94	70 - 128	T
Toluene-d8 (S)	ug/L	50	48	95	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	106	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2416102)

QC Results

QC Batch: MSVt/9663 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2416102003, T2416102004, T2416102005, T2416102006, T2416102007

Method Blank(5399706)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	T
Chloromethane	0.39 U	ug/L	1.0	0.39	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	T
Bromomethane	0.32 U	ug/L	1.0	0.32	T
Chloroethane	0.42 U	ug/L	1.0	0.42	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	T
Acetone	0.90 U	ug/L	2.0	0.90	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	T
Chloroform	0.37 U	ug/L	1.0	0.37	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	T
Benzene	0.28 U	ug/L	1.0	0.28	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	T

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FINAL

Workorder: Sydney Mine (T2416102)

QC Batch: MSVt/9663
Preparation Method: SW-846 5030B
Associated Lab IDs: T2416102003, T2416102004, T2416102005, T2416102006, T2416102007
Analysis Method: SW-846 8260D

Parameter	Results	Units	PQL	MDL	Lab
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	T
Toluene	0.66 U	ug/L	1.0	0.66	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	T
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	T
Bromoform	0.36 U	ug/L	1.0	0.36	T
Styrene	0.29 U	ug/L	1.0	0.29	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	T
Naphthalene	0.93 U	ug/L	1.0	0.93	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	T

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FINAL

Workorder: Sydney Mine (T2416102)

QC Batch: MSVt/9663 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2416102003, T2416102004, T2416102005, T2416102006, T2416102007

Parameter	Results	Units	PQL	MDL	Lab
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	42	84	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	54	107	86 - 123	T
Toluene-d8 (S)	ug/L	50	49	97	77 - 119	T

Lab Control Sample (5399707); Lab Control Sample Duplicate (5399708); Parent Lab Sample (T2416102003, T2416102004, T2416102005, T2416102006, T2416102007)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	ug/L	20	17	83	32 - 152	18	89	8	20	T
Chloromethane	ug/L	20	20	98	50 - 139	21	103	6	20	T
Vinyl Chloride	ug/L	20	19	97	58 - 137	21	107	10	20	T
Bromomethane	ug/L	20	21	104	10 - 150	21	105	1	20	T
Chloroethane	ug/L	20	19	97	60 - 138	21	105	8	20	T
Trichlorofluoromethane	ug/L	20	19	94	65 - 141	21	104	10	20	T
Acrolein (Propenal)	ug/L	100	91	91	39 - 155	100	101	10	20	T
Acetone	ug/L	20	17	85	39 - 160	19	94	9	20	T
1,1-Dichloroethylene	ug/L	20	16	81	71 - 131	18	91	12	20	T
Iodomethane (Methyl Iodid	ug/L	20	17	85	10 - 150	18	90	6	20	T
Acrylonitrile	ug/L	20	18	92	63 - 135	20	100	8	20	T
Methylene Chloride	ug/L	20	19	94	74 - 124	19	95	1	20	T
Carbon Disulfide	ug/L	20	14	71	64 - 133	16	81	13	20	T
trans-1,2-Dichloroethylene	ug/L	20	18	91	75 - 124	20	102	12	20	T
Methyl tert-butyl Ether (MT	ug/L	20	18	88	71 - 124	20	99	12	20	T
1,1-Dichloroethane	ug/L	20	19	93	77 - 125	21	103	10	20	T
Vinyl Acetate	ug/L	20	20	98	10 - 150	18	91	7	20	T
2-Butanone (MEK)	ug/L	20	18	90	56 - 143	20	98	9	20	T
cis-1,2-Dichloroethylene	ug/L	20	19	93	78 - 123	21	105	12	20	T
Bromochloromethane	ug/L	20	19	96	78 - 123	22	108	11	20	T
Chloroform	ug/L	20	19	96	79 - 124	22	109	12	20	T
2,2-Dichloropropane	ug/L	20	14	68	10 - 150	15	76	11	20	T
1,2-Dichloroethane	ug/L	20	17	85	73 - 128	19	96	12	20	T





FINAL

Workorder: Sydney Mine (T2416102)

QC Batch: MSVt/9663 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2416102003, T2416102004, T2416102005, T2416102006, T2416102007

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,1,1-Trichloroethane	ug/L	20	18	92	74 - 131	21	103	12	20	T
1,1-Dichloropropene	ug/L	20	19	95	79 - 125	22	109	14	20	T
Carbon Tetrachloride	ug/L	20	18	89	72 - 136	20	102	13	20	T
Benzene	ug/L	20	20	99	79 - 120	22	111	11	20	T
Dibromomethane	ug/L	20	20	100	79 - 123	22	112	11	20	T
1,2-Dichloropropane	ug/L	20	21	103	78 - 122	23	116	11	20	T
Trichloroethene	ug/L	20	23	113	79 - 123	25	123	8	20	T
Bromodichloromethane	ug/L	20	19	96	79 - 125	22	109	14	20	T
2-Chloroethyl Vinyl Ether	ug/L	20	26	130	10 - 150	29	146	12	20	T
cis-1,3-Dichloropropene	ug/L	20	19	95	75 - 124	21	107	11	20	T
4-Methyl-2-pentanone (MIB)	ug/L	20	18	92	67 - 130	20	100	9	20	T
trans-1,3-Dichloropropylene	ug/L	20	18	92	73 - 127	20	102	10	20	T
1,1,2-Trichloroethane	ug/L	20	20	100	80 - 119	23	113	12	20	T
Toluene	ug/L	20	19	95	80 - 121	20	98	3	20	T
1,3-Dichloropropane	ug/L	20	19	93	80 - 119	19	93	1	20	T
2-Hexanone	ug/L	20	17	85	57 - 139	16	82	4	20	T
Dibromochloromethane	ug/L	20	18	89	74 - 126	18	91	2	20	T
Tetrachloroethylene (PCE)	ug/L	20	18	89	74 - 129	18	91	2	20	T
1,1,1,2-Tetrachloroethane	ug/L	20	18	91	78 - 124	19	93	3	20	T
Chlorobenzene	ug/L	20	18	92	82 - 118	19	93	1	20	T
Ethylbenzene	ug/L	20	19	96	79 - 121	20	98	2	20	T
Bromoform	ug/L	20	17	83	66 - 130	17	83	0	20	T
Styrene	ug/L	20	19	94	78 - 123	19	96	2	20	T
1,1,2,2-Tetrachloroethane	ug/L	20	15	75	71 - 121	16	80	6	20	T
Isopropylbenzene	ug/L	20	19	94	72 - 131	19	96	2	20	T
Bromobenzene	ug/L	20	18	92	80 - 120	19	95	4	20	T
n-propylbenzene	ug/L	20	19	96	76 - 126	19	97	1	20	T
2-Chlorotoluene	ug/L	20	19	96	79 - 122	20	98	2	20	T
4-Chlorotoluene	ug/L	20	19	95	78 - 122	19	97	2	20	T
1,3,5-Trimethylbenzene	ug/L	20	19	94	75 - 124	19	96	2	20	T
tert-butylbenzene	ug/L	20	19	97	78 - 124	20	98	1	20	T
1,2,4-Trimethylbenzene	ug/L	20	19	94	76 - 124	20	98	4	20	T
sec-butylbenzene	ug/L	20	19	96	77 - 126	20	98	2	20	T





FINAL

Workorder: Sydney Mine (T2416102)

QC Batch: MSVt/9663 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2416102003, T2416102004, T2416102005, T2416102006, T2416102007

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,3-Dichlorobenzene	ug/L	20	19	94	80 - 119	19	95	2	20	T
1,4-Dichlorobenzene	ug/L	20	18	91	79 - 118	19	93	2	20	T
1,2-Dichlorobenzene	ug/L	20	18	92	80 - 119	18	92	0	20	T
p-Isopropyltoluene	ug/L	20	19	96	77 - 127	20	98	3	20	T
n-Butylbenzene	ug/L	20	19	97	75 - 128	20	99	2	20	T
1,2,4-Trichlorobenzene	ug/L	20	16	80	69 - 130	16	81	2	20	T
Naphthalene	ug/L	20	15	73	61 - 128	15	77	5	20	T
Hexachlorobutadiene	ug/L	20	17	87	66 - 134	18	89	3	20	T
1,2,3-Trichlorobenzene	ug/L	20	14	72	69 - 129	15	74	2	20	T
Xylene (Total)	ug/L	60	58	96	79 - 121	59	98	1	20	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	42	85	70 - 128	47	93	9		T
Bromofluorobenzene (S)	ug/L	50	50	100	86 - 123	51	102	2		T
Toluene-d8 (S)	ug/L	50	48	96	77 - 119	48	97	1		T

Matrix Spike (5399709); Original (T2415927005); Parent Lab Sample (T2415927005)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	ug/L	20	17	86	32 - 152	T
Chloromethane	ug/L	20	19	96	50 - 139	T
Vinyl Chloride	ug/L	20	20	102	10 - 150	T
Bromomethane	ug/L	20	22	109	10 - 150	T
Chloroethane	ug/L	20	20	99	60 - 138	T
Trichlorofluoromethane	ug/L	20	20	101	65 - 141	T
Acrolein (Propenal)	ug/L	100	97	97	39 - 155	T
Acetone	ug/L	20	18	92	39 - 160	T
1,1-Dichloroethylene	ug/L	20	17	87	71 - 131	T
Iodomethane (Methyl Iodide)	ug/L	20	18	89	10 - 150	T
Acrylonitrile	ug/L	20	20	101	63 - 135	T
Methylene Chloride	ug/L	20	16	81	74 - 124	T
Carbon Disulfide	ug/L	20	19	97	64 - 133	T
trans-1,2-Dichloroethylene	ug/L	20	19	97	75 - 124	T
Methyl tert-butyl Ether (MTBE)	ug/L	20	19	94	71 - 124	T

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Workorder: Sydney Mine (T2416102)

QC Batch: MSVt/9663
Preparation Method: SW-846 5030B
Associated Lab IDs: T2416102003, T2416102004, T2416102005, T2416102006, T2416102007
Analysis Method: SW-846 8260D

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,1-Dichloroethane	ug/L	20	20	100	77 - 125	T
Vinyl Acetate	ug/L	20	19	95	54 - 146	T
2-Butanone (MEK)	ug/L	20	19	96	56 - 143	T
cis-1,2-Dichloroethylene	ug/L	20	20	99	78 - 123	T
Bromochloromethane	ug/L	20	21	103	78 - 123	T
Chloroform	ug/L	20	21	103	79 - 124	T
2,2-Dichloropropane	ug/L	20	17	87	10 - 150	T
1,2-Dichloroethane	ug/L	20	18	92	73 - 128	T
1,1,1-Trichloroethane	ug/L	20	20	98	74 - 131	T
1,1-Dichloropropene	ug/L	20	21	104	79 - 125	T
Carbon Tetrachloride	ug/L	20	19	96	72 - 136	T
Benzene	ug/L	20	21	106	79 - 120	T
Dibromomethane	ug/L	20	21	107	79 - 123	T
1,2-Dichloropropane	ug/L	20	22	109	78 - 122	T
Trichloroethene	ug/L	20	19	94	79 - 123	T
Bromodichloromethane	ug/L	20	21	103	79 - 125	T
2-Chloroethyl Vinyl Ether	ug/L	20	28	139	10 - 150	T
cis-1,3-Dichloropropene	ug/L	20	20	102	75 - 124	T
4-Methyl-2-pentanone (MIBK)	ug/L	20	20	99	67 - 130	T
trans-1,3-Dichloropropylene	ug/L	20	20	98	73 - 127	T
1,1,2-Trichloroethane	ug/L	20	21	106	80 - 119	T
Toluene	ug/L	20	20	102	80 - 121	T
1,3-Dichloropropane	ug/L	20	20	98	80 - 119	T
2-Hexanone	ug/L	20	18	89	57 - 139	T
Dibromochloromethane	ug/L	20	19	96	74 - 126	T
Tetrachloroethylene (PCE)	ug/L	20	19	93	74 - 129	T
1,1,1,2-Tetrachloroethane	ug/L	20	20	98	78 - 124	T
Chlorobenzene	ug/L	20	20	99	82 - 118	T
Ethylbenzene	ug/L	20	21	103	79 - 121	T
Bromoform	ug/L	20	18	91	66 - 130	T
Styrene	ug/L	20	20	101	78 - 123	T
1,1,2,2-Tetrachloroethane	ug/L	20	16	79	71 - 121	T
Isopropylbenzene	ug/L	20	20	102	72 - 131	T
Bromobenzene	ug/L	20	20	100	80 - 120	T

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FINAL

Workorder: Sydney Mine (T2416102)

QC Batch: MSVt/9663 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2416102003, T2416102004, T2416102005, T2416102006, T2416102007

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
n-propylbenzene	ug/L	20	21	104	76 - 126	T
2-Chlorotoluene	ug/L	20	20	101	79 - 122	T
4-Chlorotoluene	ug/L	20	21	103	78 - 122	T
1,3,5-Trimethylbenzene	ug/L	20	20	101	75 - 124	T
tert-butylbenzene	ug/L	20	21	104	78 - 124	T
1,2,4-Trimethylbenzene	ug/L	20	20	102	76 - 124	T
sec-butylbenzene	ug/L	20	21	104	77 - 126	T
1,3-Dichlorobenzene	ug/L	20	20	100	80 - 119	T
1,4-Dichlorobenzene	ug/L	20	20	98	79 - 118	T
1,2-Dichlorobenzene	ug/L	20	20	99	80 - 119	T
p-Isopropyltoluene	ug/L	20	21	105	77 - 127	T
n-Butylbenzene	ug/L	20	20	102	75 - 128	T
1,2,4-Trichlorobenzene	ug/L	20	18	88	69 - 130	T
Naphthalene	ug/L	20	17	84	61 - 128	T
Hexachlorobutadiene	ug/L	20	19	93	66 - 134	T
1,2,3-Trichlorobenzene	ug/L	20	16	82	69 - 129	T
Xylene (Total)	ug/L	60	62	103	79 - 121	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	42	85	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	51	102	86 - 123	T
Toluene-d8 (S)	ug/L	50	49	97	77 - 119	T





FINAL

Workorder: Sydney Mine (T2416102)

QC Results

QC Batch: MSVt/9665 Analysis Method: SW-846 8260D (SIM)
Preparation Method: SW-846 5030B
Associated Lab IDs: T2416102003, T2416102004, T2416102005, T2416102006, T2416102007

Method Blank(5400658)

Parameter	Results	Units	PQL	MDL	Lab
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	49	99	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	53	107	86 - 123	T
Toluene-d8 (S)	ug/L	50	47	94	77 - 119	T

Lab Control Sample (5400659); Lab Control Sample Duplicate (5400660); Parent Lab Sample (T2416102003, T2416102004, T2416102005, T2416102006, T2416102007)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Ethylene Dibromide (EDB)	ug/L	0.80	0.89	111	77 - 121	0.81	101	10	20	T
1,2-Dibromo-3-Chloropropa	ug/L	0.80	0.7	88	62 - 128	0.71	89	1	20	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	49	98	70 - 128	49	98	0		T
Bromofluorobenzene (S)	ug/L	50	54	109	86 - 123	54	108	0		T
Toluene-d8 (S)	ug/L	50	57	113	77 - 119	52	104	9		T

Matrix Spike (5400661); Original (T2415927005); Parent Lab Sample (T2415927005)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Ethylene Dibromide (EDB)	ug/L	0.80	0.69	86	77 - 121	T
1,2-Dibromo-3-Chloropropane	ug/L	0.80	0.71	89	62 - 128	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	49	98	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	T
Toluene-d8 (S)	ug/L	50	56	111	77 - 119	T

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Workorder: Sydney Mine (T2416102)

QC Results

QC Batch: MSVt/9688
Preparation Method: SW-846 5030B
Associated Lab IDs: T2416102001, T2416102002

Analysis Method: SW-846 8260D (SIM)

Method Blank(5405362)

Parameter	Results	Units	PQL	MDL	Lab
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	48	97	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	53	107	86 - 123	T
Toluene-d8 (S)	ug/L	50	51	103	77 - 119	T

Lab Control Sample (5405363); Lab Control Sample Duplicate (5405364); Parent Lab Sample (T2416102001, T2416102002)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Ethylene Dibromide (EDB)	ug/L	0.80	0.78	98	77 - 121	0.82	102	4	20	T
1,2-Dibromo-3-Chloropropa	ug/L	0.80	0.85	106	62 - 128	0.77	97	10	20	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	50	100	70 - 128	51	101	1		T
Bromofluorobenzene (S)	ug/L	50	53	106	86 - 123	55	109	3		T
Toluene-d8 (S)	ug/L	50	47	95	77 - 119	48	96	1		T

Matrix Spike (5405365); Original (T2416102002); Parent Lab Sample (T2416102002)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Ethylene Dibromide (EDB)	ug/L	0.80	0.81	101	77 - 121	T
1,2-Dibromo-3-Chloropropane	ug/L	0.80	0.75	94	62 - 128	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	50	101	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	53	107	86 - 123	T
Toluene-d8 (S)	ug/L	50	49	99	77 - 119	T

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FINAL

Workorder: Sydney Mine (T2416102)

QC Results

QC Batch: MSVt/9693
Preparation Method: SW-846 5030B
Associated Lab IDs: T2416102001, T2416102002

Analysis Method: SW-846 8260D

Method Blank(5405654)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	T
Chloromethane	0.39 U	ug/L	1.0	0.39	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	T
Bromomethane	0.32 U	ug/L	1.0	0.32	T
Chloroethane	0.42 U	ug/L	1.0	0.42	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	T
Acetone	0.90 U	ug/L	2.0	0.90	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	T
Chloroform	0.37 U	ug/L	1.0	0.37	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	T
Benzene	0.28 U	ug/L	1.0	0.28	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	T

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FINAL

Workorder: Sydney Mine (T2416102)

QC Batch: MSVt/9693
Preparation Method: SW-846 5030B
Associated Lab IDs: T2416102001, T2416102002

Analysis Method: SW-846 8260D

Parameter	Results	Units	PQL	MDL	Lab
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	T
Toluene	0.66 U	ug/L	1.0	0.66	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	T
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	T
Bromoform	0.36 U	ug/L	1.0	0.36	T
Styrene	0.29 U	ug/L	1.0	0.29	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	T
Naphthalene	0.93 U	ug/L	1.0	0.93	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	T

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FINAL

Workorder: Sydney Mine (T2416102)

QC Batch: MSVt/9693
Preparation Method: SW-846 5030B
Associated Lab IDs: T2416102001, T2416102002

Analysis Method: SW-846 8260D

Parameter	Results	Units	PQL	MDL	Lab
Xylene (Total)	1.3 U	ug/L	2.0	1.3	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	41	83	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	54	107	86 - 123	T
Toluene-d8 (S)	ug/L	50	47	94	77 - 119	T

Lab Control Sample (5405655); Lab Control Sample Duplicate (5405656); Parent Lab Sample (T2416102001, T2416102002)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	ug/L	20	17	84	32 - 152	19	93	11	20	T
Chloromethane	ug/L	20	17	86	50 - 139	17	85	2	20	T
Vinyl Chloride	ug/L	20	21	104	58 - 137	22	108	4	20	T
Bromomethane	ug/L	20	20	98	10 - 150	19	94	5	20	T
Chloroethane	ug/L	20	18	89	60 - 138	17	85	4	20	T
Trichlorofluoromethane	ug/L	20	18	92	65 - 141	17	87	6	20	T
Acrolein (Propenal)	ug/L	100	96	96	39 - 155	91	91	5	20	T
Acetone	ug/L	20	21	103	39 - 160	19	96	7	20	T
1,1-Dichloroethylene	ug/L	20	22	109	71 - 131	20	102	7	20	T
Iodomethane (Methyl Iodid	ug/L	20	17	86	10 - 150	19	93	8	20	T
Acrylonitrile	ug/L	20	21	103	63 - 135	20	101	2	20	T
Methylene Chloride	ug/L	20	22	108	74 - 124	20	101	7	20	T
Carbon Disulfide	ug/L	20	21	105	64 - 133	20	98	7	20	T
trans-1,2-Dichloroethylene	ug/L	20	22	108	75 - 124	20	102	6	20	T
Methyl tert-butyl Ether (MT	ug/L	20	20	99	71 - 124	19	95	4	20	T
1,1-Dichloroethane	ug/L	20	22	110	77 - 125	21	105	4	20	T
Vinyl Acetate	ug/L	20	20	102	10 - 150	19	96	7	20	T
2-Butanone (MEK)	ug/L	20	21	103	56 - 143	20	99	4	20	T
cis-1,2-Dichloroethylene	ug/L	20	21	105	78 - 123	20	100	5	20	T
Bromochloromethane	ug/L	20	22	111	78 - 123	21	107	3	20	T
Chloroform	ug/L	20	21	105	79 - 124	20	102	3	20	T
2,2-Dichloropropane	ug/L	20	15	77	10 - 150	15	73	5	20	T
1,2-Dichloroethane	ug/L	20	19	95	73 - 128	18	91	5	20	T
1,1,1-Trichloroethane	ug/L	20	20	101	74 - 131	19	97	4	20	T
1,1-Dichloropropene	ug/L	20	22	108	79 - 125	20	100	8	20	T

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FINAL

Workorder: Sydney Mine (T2416102)

QC Batch: MSVt/9693
Preparation Method: SW-846 5030B
Associated Lab IDs: T2416102001, T2416102002

Analysis Method: SW-846 8260D

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Carbon Tetrachloride	ug/L	20	20	98	72 - 136	19	94	4	20	T
Benzene	ug/L	20	22	111	79 - 120	21	105	6	20	T
Dibromomethane	ug/L	20	22	109	79 - 123	20	101	8	20	T
1,2-Dichloropropane	ug/L	20	22	110	78 - 122	21	104	5	20	T
Trichloroethene	ug/L	20	22	112	79 - 123	20	102	10	20	T
Bromodichloromethane	ug/L	20	20	100	79 - 125	19	94	6	20	T
2-Chloroethyl Vinyl Ether	ug/L	20	18	92	10 - 150	18	91	0	20	T
cis-1,3-Dichloropropene	ug/L	20	21	105	75 - 124	20	100	5	20	T
4-Methyl-2-pentanone (MIB	ug/L	20	20	102	67 - 130	20	98	4	20	T
trans-1,3-Dichloropropylene	ug/L	20	20	98	73 - 127	19	93	5	20	T
1,1,2-Trichloroethane	ug/L	20	22	109	80 - 119	20	102	6	20	T
Toluene	ug/L	20	20	100	80 - 121	22	110	9	20	T
1,3-Dichloropropane	ug/L	20	19	95	80 - 119	21	103	8	20	T
2-Hexanone	ug/L	20	18	90	57 - 139	19	97	8	20	T
Dibromochloromethane	ug/L	20	18	91	74 - 126	20	101	11	20	T
Tetrachloroethylene (PCE)	ug/L	20	18	91	74 - 129	19	97	7	20	T
1,1,1,2-Tetrachloroethane	ug/L	20	18	90	78 - 124	20	98	8	20	T
Chlorobenzene	ug/L	20	19	94	82 - 118	21	104	10	20	T
Ethylbenzene	ug/L	20	20	99	79 - 121	22	108	8	20	T
Bromoform	ug/L	20	17	85	66 - 130	18	92	9	20	T
Styrene	ug/L	20	19	95	78 - 123	21	104	9	20	T
1,1,2,2-Tetrachloroethane	ug/L	20	18	91	71 - 121	21	103	12	20	T
Isopropylbenzene	ug/L	20	18	92	72 - 131	20	99	7	20	T
Bromobenzene	ug/L	20	18	91	80 - 120	20	100	9	20	T
n-propylbenzene	ug/L	20	19	93	76 - 126	20	100	8	20	T
2-Chlorotoluene	ug/L	20	19	94	79 - 122	20	101	7	20	T
4-Chlorotoluene	ug/L	20	19	94	78 - 122	20	102	8	20	T
1,3,5-Trimethylbenzene	ug/L	20	19	94	75 - 124	20	102	8	20	T
tert-butylbenzene	ug/L	20	18	92	78 - 124	20	100	7	20	T
1,2,4-Trimethylbenzene	ug/L	20	19	95	76 - 124	20	102	7	20	T
sec-butylbenzene	ug/L	20	18	92	77 - 126	20	99	7	20	T
1,3-Dichlorobenzene	ug/L	20	19	94	80 - 119	20	100	6	20	T
1,4-Dichlorobenzene	ug/L	20	18	92	79 - 118	20	100	9	20	T

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FINAL

Workorder: Sydney Mine (T2416102)

QC Batch: MSVt/9693
Preparation Method: SW-846 5030B
Associated Lab IDs: T2416102001, T2416102002

Analysis Method: SW-846 8260D

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichlorobenzene	ug/L	20	18	92	80 - 119	20	100	8	20	T
p-Isopropyltoluene	ug/L	20	18	91	77 - 127	20	98	7	20	T
n-Butylbenzene	ug/L	20	18	91	75 - 128	19	97	7	20	T
1,2,4-Trichlorobenzene	ug/L	20	15	73	69 - 130	16	81	10	20	T
Naphthalene	ug/L	20	13	66	61 - 128	16	79	18	20	T
Hexachlorobutadiene	ug/L	20	15	74	66 - 134	16	79	7	20	T
1,2,3-Trichlorobenzene	ug/L	20	20	99	69 - 129	20	99	0	20	T
Xylene (Total)	ug/L	60	60	100	79 - 121	65	108	8	20	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	42	85	70 - 128	40	80	5		T
Bromofluorobenzene (S)	ug/L	50	52	103	86 - 123	50	100	4		T
Toluene-d8 (S)	ug/L	50	47	94	77 - 119	46	93	2		T

Matrix Spike (5405657); Original (T2416102002); Parent Lab Sample (T2416102002)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	ug/L	20	18	89	32 - 152	T
Chloromethane	ug/L	20	17	86	50 - 139	T
Vinyl Chloride	ug/L	20	16	82	10 - 150	T
Bromomethane	ug/L	20	17	87	10 - 150	T
Chloroethane	ug/L	20	19	95	60 - 138	T
Trichlorofluoromethane	ug/L	20	20	99	65 - 141	T
Acrolein (Propenal)	ug/L	100	98	98	39 - 155	T
Acetone	ug/L	20	20	100	39 - 160	T
1,1-Dichloroethylene	ug/L	20	22	111	71 - 131	T
Iodomethane (Methyl Iodide)	ug/L	20	21	105	10 - 150	T
Acrylonitrile	ug/L	20	21	105	63 - 135	T
Methylene Chloride	ug/L	20	19	95	74 - 124	T
Carbon Disulfide	ug/L	20	21	107	64 - 133	T
trans-1,2-Dichloroethylene	ug/L	20	21	103	75 - 124	T
Methyl tert-butyl Ether (MTBE)	ug/L	20	20	100	71 - 124	T
1,1-Dichloroethane	ug/L	20	20	102	77 - 125	T
Vinyl Acetate	ug/L	20	20	101	54 - 146	T

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FINAL

Workorder: Sydney Mine (T2416102)

QC Batch: MSVt/9693
Preparation Method: SW-846 5030B
Associated Lab IDs: T2416102001, T2416102002

Analysis Method: SW-846 8260D

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Butanone (MEK)	ug/L	20	21	105	56 - 143	T
cis-1,2-Dichloroethylene	ug/L	20	22	108	78 - 123	T
Bromochloromethane	ug/L	20	23	114	78 - 123	T
Chloroform	ug/L	20	21	107	79 - 124	T
2,2-Dichloropropane	ug/L	20	16	78	10 - 150	T
1,2-Dichloroethane	ug/L	20	19	95	73 - 128	T
1,1,1-Trichloroethane	ug/L	20	20	102	74 - 131	T
1,1-Dichloropropene	ug/L	20	22	111	79 - 125	T
Carbon Tetrachloride	ug/L	20	20	102	72 - 136	T
Benzene	ug/L	20	22	112	79 - 120	T
Dibromomethane	ug/L	20	21	107	79 - 123	T
1,2-Dichloropropane	ug/L	20	22	110	78 - 122	T
Trichloroethene	ug/L	20	22	110	79 - 123	T
Bromodichloromethane	ug/L	20	20	101	79 - 125	T
2-Chloroethyl Vinyl Ether	ug/L	20	21	107	10 - 150	T
cis-1,3-Dichloropropene	ug/L	20	21	105	75 - 124	T
4-Methyl-2-pentanone (MIBK)	ug/L	20	21	103	67 - 130	T
trans-1,3-Dichloropropylene	ug/L	20	20	101	73 - 127	T
1,1,2-Trichloroethane	ug/L	20	22	109	80 - 119	T
Toluene	ug/L	20	20	102	80 - 121	T
1,3-Dichloropropane	ug/L	20	19	96	80 - 119	T
2-Hexanone	ug/L	20	18	90	57 - 139	T
Dibromochloromethane	ug/L	20	19	94	74 - 126	T
Tetrachloroethylene (PCE)	ug/L	20	18	91	74 - 129	T
1,1,1,2-Tetrachloroethane	ug/L	20	18	90	78 - 124	T
Chlorobenzene	ug/L	20	19	96	82 - 118	T
Ethylbenzene	ug/L	20	20	101	79 - 121	T
Bromoform	ug/L	20	18	89	66 - 130	T
Styrene	ug/L	20	19	96	78 - 123	T
1,1,2,2-Tetrachloroethane	ug/L	20	19	94	71 - 121	T
Isopropylbenzene	ug/L	20	18	92	72 - 131	T
Bromobenzene	ug/L	20	19	93	80 - 120	T
n-propylbenzene	ug/L	20	19	95	76 - 126	T
2-Chlorotoluene	ug/L	20	19	95	79 - 122	T

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FINAL

Workorder: Sydney Mine (T2416102)

QC Batch: MSVt/9693
Preparation Method: SW-846 5030B
Associated Lab IDs: T2416102001, T2416102002

Analysis Method: SW-846 8260D

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
4-Chlorotoluene	ug/L	20	19	96	78 - 122	T
1,3,5-Trimethylbenzene	ug/L	20	19	95	75 - 124	T
tert-butylbenzene	ug/L	20	19	93	78 - 124	T
1,2,4-Trimethylbenzene	ug/L	20	19	97	76 - 124	T
sec-butylbenzene	ug/L	20	19	93	77 - 126	T
1,3-Dichlorobenzene	ug/L	20	19	93	80 - 119	T
1,4-Dichlorobenzene	ug/L	20	18	91	79 - 118	T
1,2-Dichlorobenzene	ug/L	20	19	93	80 - 119	T
p-Isopropyltoluene	ug/L	20	18	92	77 - 127	T
n-Butylbenzene	ug/L	20	18	92	75 - 128	T
1,2,4-Trichlorobenzene	ug/L	20	15	73	69 - 130	T
Naphthalene	ug/L	20	15	73	61 - 128	T
Hexachlorobutadiene	ug/L	20	15	73	66 - 134	T
1,2,3-Trichlorobenzene	ug/L	20	20	98	69 - 129	T
Xylene (Total)	ug/L	60	61	101	79 - 121	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	42	84	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	51	101	86 - 123	T
Toluene-d8 (S)	ug/L	50	47	93	77 - 119	T

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FINAL

Workorder: Sydney Mine (T2416102)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MSVt/9663 - SW-846 8260D			
T2416102003	SRW-5	MSVt/9662	SW-846 5030B
T2416102004	BV-9	MSVt/9662	SW-846 5030B
T2416102005	DUPLICATE	MSVt/9662	SW-846 5030B
T2416102006	HW-4	MSVt/9662	SW-846 5030B
T2416102007	BVR-6	MSVt/9662	SW-846 5030B
MSVt/9665 - SW-846 8260D (SIM)			
T2416102003	SRW-5	MSVt/9664	SW-846 5030B
T2416102004	BV-9	MSVt/9664	SW-846 5030B
T2416102005	DUPLICATE	MSVt/9664	SW-846 5030B
T2416102006	HW-4	MSVt/9664	SW-846 5030B
T2416102007	BVR-6	MSVt/9664	SW-846 5030B
MSVt/9688 - SW-846 8260D (SIM)			
T2416102001	Trip Blank	MSVt/9687	SW-846 5030B
T2416102002	OPRW-2	MSVt/9687	SW-846 5030B
MSVt/9693 - SW-846 8260D			
T2416102001	Trip Blank	MSVt/9692	SW-846 5030B
T2416102002	OPRW-2	MSVt/9692	SW-846 5030B

Certificate of Analysis

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- ☐ **Fort Myers:** 13100 Westlinks Terrace, Ste. 10, FL 33913 • 239.674.8130 • Lab ID: E84492
- ☐ **Jacksonville:** 6681 Southpoint Pkwy, FL 32216 • 904.363.9350 • Lab ID: E82574
- ☐ **Tallahassee:** 2639 North Monroe St., Suite D, FL 32303 • 850.219.9274 • Lab ID: E810895

Client Name:	Hils. Co. Public Utilities	Project Name:	Sydney Mine Superfund Site
Address:	332 North Falkenburg Rd	Project Number:	N/A
	Tampa, Florida 33619	PO Number:	N/A
Phone:	(813) 663-3222	FDEP Facility No:	
FAX:	(813) 274-6801	FDEP Facility Addr:	
Contact:	Michael Townsend		Dover, FL
Sampled By:	JD AM M CH	Special Instructions:	
Turn Around Time:	Standard		
AEL Profile #:			

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING		MATRIX	NO. COUNT	ANALYSIS REQUIRED	BOTTLE SIZE & TYPE	LABORATORY I.D. NUMBER
			DATE	TIME					
	Trip Blank	✓	7/11/2004	✓	D1	3			001
	OPRW-2	G	✓	843	GW	3			002
	SRW-5	G	✓	1048	GW	3			003
	BV-9	G	✓	1356	GW	3			004
	Duplicate	G	✓	✓	GW	3			005
	HW-4	G	✓	925	GW	3			006
	BVR-6	G	✓	1217	GW	3			007

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge	Preservation Code: I = ice H=(HC) S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)
Received on Ice ☐ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked ☐	Temp. when received (observed) _____ °C Temp. when received (corrected) _____ °C
DCN: AD-D051web Form last revised 08/07/2019	J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V F: 1A

Relinquished by:	Date	Time	Received by:	Date	Time
Julia Detwiler	7/11	1449	[Signature]	7/11	1449

FOR DRINKII

(When PWS information is required)

Contact Person: _____

Supplier of Water: _____

Site Address: _____



* T 2 4 1 6 1 0 2 *

PURGING DATA

SAMPLING DATA

SEE COC FOR ANALYSIS ORP: N/A

Revision Date: February 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: SRW-5	SAMPLE ID: SRW-5	DATE: 7/11/2024	

PURGING DATA

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 45.82 feet to 55.82 feet	STATIC DEPTH TO WATER (feet): 30.33	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (55.82 feet - 30.33 feet) X 0.65 gallons/foot = 16.57 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 54.82	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 54.82	PURGING INITIATED AT: 854	PURGING ENDED AT: 1048	TOTAL VOLUME PURGED (gallons): 25.08							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1010	16.72	16.72	0.22	31.47	6.10	24.0	456.5	0.8/9.5	3.34	clear	None
1029	4.18	20.90	0.22	31.47	6.05	24.0	447.8	0.58/6.9	1.14	↓	↓
1048	4.18	25.08	0.22	31.47	6.01	24.0	446.1	0.59/7.0	1.27	↓	↓
JD 7/11/2024											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JP AM				SAMPLER(S) SIGNATURE(S): Gubelud / McAllen				SAMPLING INITIATED AT: 1048		SAMPLING ENDED AT: 1052	
PUMP OR TUBING DEPTH IN WELL (feet): 54.82				TUBING MATERIAL CODE: T				FIELD-FILTERED: Y (N)		FILTER SIZE: ____ µm	
FIELD DECONTAMINATION: PUMP Y N (Dedicated)				TUBING Y N (Dedicated)				DUPLICATE: Y (N)			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
							VOC				400
SEE C.O.C. FOR SAMPLE ANALYSIS											
ORP: 1010(-25.0) 1029(-26.9) 1048(-21.4)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: OPRW-2	SAMPLE ID: OPRW-224060186-28	DATE: 7/11/2024	

PURGING DATA

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 10.25 feet to 14.25 feet	STATIC DEPTH TO WATER (feet): 7.38	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (14.25 feet - 7.38 feet) X 0.65 gallons/foot = 4.47 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13.25	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 13.25	PURGING INITIATED AT: 650	PURGING ENDED AT: 843	TOTAL VOLUME PURGED (gallons): 6.78							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
805	4.5	4.5	0.06	7.89	6.80	26.4	259.9	5.42/67.1	11.2	Clear	None
824	1.14	5.64	0.06	7.89	6.85	26.5	258.9	5.43/67.3	13.7	↓	↓
843	1.14	6.78	0.06	7.89	6.84	26.5	261.3	5.44/67.4	13.7	↓	↓
JD 7/11/2024											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JD AM				SAMPLER(S) SIGNATURE(S): <i>JD AM</i>				SAMPLING INITIATED AT: 843		SAMPLING ENDED AT: 850	
PUMP OR TUBING DEPTH IN WELL (feet): 13.25				TUBING MATERIAL CODE: T				FIELD-FILTERED: Y (N)		FILTER SIZE: ____ μm	
FIELD DECONTAMINATION: PUMP Y N (Dedicated)				TUBING Y N (Dedicated)				DUPLICATE: Y (N)			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	VOC		400		
SEE C.O.C. FOR SAMPLE ANALYSIS											
ORP: 805(-30.4) 824(-25.7) 843(-19.5)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: HW-4	SAMPLE ID: HW-4 / 24060186-31	DATE: 7/11/24	

PURGING DATA

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 103.49 ft to 113.49 ft	STATIC DEPTH TO WATER (feet): 61.63	PURGE PUMP TYPE OR BAILER: BP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (113.49 feet - 61.63 feet) X 0.65 gallons/foot = 33.71 gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 112.49	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 112.49	PURGING INITIATED AT: 634	PURGING ENDED AT: 925	TOTAL VOLUME PURGED (gallons): 51.3

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
827	33.9	33.9	0.30	61.89	7.22	24.0	437.3	1.31/15.5	3.03	Clear	None
856	8.7	42.6	0.30	61.92	7.17	24.0	445.1	1.18/14.0	2.40	Clear	None
925	8.7	51.3	0.30	61.92	7.16	24.0	445.6	1.46/17.4	2.20	Clear	None

M.M.
7/11/24

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: M. Morales / C. Harrington				SAMPLER(S) SIGNATURE(S): M. Morales				SAMPLING INITIATED AT: 925		SAMPLING ENDED AT: 930	
PUMP OR TUBING DEPTH IN WELL (feet): 112.49				TUBING MATERIAL CODE: T		FIELD-FILTERED: Y ☒ N ☐ FILTER SIZE: <u> </u> μm				Filtration Equipment Type: <u> </u>	
FIELD DECONTAMINATION: PUMP Y ☐ N ☒ TUBING Y ☐ N ☒ DEDICATED				DUPLICATE: Y ☐ N ☒							

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
							Voc		400
SEE C.O.C. FOR SAMPLE ANALYSIS									

ORP: 827 (30.6) 856 (24.9) 925 (27.9)

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: BVR - 6	SAMPLE ID: BVR - 6 / 24060186 - 04	DATE: 7/11/24	

PURGING DATA

WELL DIAMETER (inches): 6	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 68.34 feet to 93.34 feet	STATIC DEPTH TO WATER (feet): 25.59	PURGE PUMP TYPE OR BAILER: BP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (93.34 feet - 25.59 feet) X 1.47 gallons/foot = 100 gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 92.34	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 92.34	PURGING INITIATED AT: 938	PURGING ENDED AT: 1217	TOTAL VOLUME PURGED (gallons): 152.64

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μ mhos/cm or μ S/cm	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1123	100.8	100.8	0.96	30.61	6.70	25.4	225.9	1.37/16.7	3.52	Clear	None
1150	25.92	126.72	0.96	30.73	6.65	25.5	208.9	0.46/5.6	2.38	Clear	None
1217	25.92	152.64	0.96	30.73	6.61	25.5	207.1	1.14/13.9	4.17	Clear	None

M. M
7/11/24

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: M. Morales / C. Harrington		SAMPLER(S) SIGNATURE(S): M. Morales / C. Harrington		SAMPLING INITIATED AT: 1217	SAMPLING ENDED AT: 1222
PUMP OR TUBING DEPTH IN WELL (feet): 92.34		TUBING MATERIAL CODE: T	FIELD-FILTERED: Y ☒	FILTER SIZE: _____ μ m	
FIELD DECONTAMINATION: PUMP Y N ☒ Dedicated		TUBING Y N ☒ Dedicated	DUPLICATE: Y ☒ N		

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
							VOC		400

SEE C.O.C. FOR SAMPLE ANALYSIS

ORP: 1123 (14.1) 1150 (12.9) 1217 (16.2)

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: BV-9	SAMPLE ID: BV-9 24060186-08	DATE: 7/11/2024	

PURGING DATA

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 69.33 feet to 79.33 feet	STATIC DEPTH TO WATER (feet): 37.50	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (79.33 feet - 37.50 feet) X 0.65 gallons/foot = 27.19 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 78.33	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 78.33	PURGING INITIATED AT: 1102	PURGING ENDED AT: 1356	TOTAL VOLUME PURGED (gallons): 139.2							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1136	27.2	27.2	0.80	40.58	5.63	23.6	347.3	0.53/6.2	495	Cloudy	None
1210	27.2	54.4	0.80	40.58	5.96	23.6	494.7	0.47/5.5	307	Cloudy	None
1244	27.2	81.6	0.80	40.58	6.04	23.6	551	0.55/6.5	255	Cloudy	None
1318	27.2	108.8	0.80	40.58	6.11	23.6	581	1.27/15.0	196	Cloudy	None
1352	27.2	136	0.80	40.58	6.14	23.6	594	0.61/7.2	134	Cloudy	None
1354	1.6	137.6	0.80	40.58	6.14	23.6	592	0.59/7.0	126	↓	↓
1356	1.6	139.2	0.80	40.58	6.14	23.6	594	0.62/7.3	130	↓	↓
JD 7/11/2024											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JD AM				SAMPLER(S) SIGNATURE(S): <i>Julie L. Adams</i>				SAMPLING INITIATED AT: 1356		SAMPLING ENDED AT: 1400	
PUMP OR TUBING DEPTH IN WELL (feet): 78.33				TUBING MATERIAL CODE: T		FIELD-FILTERED: Y (N)		FILTER SIZE: ____ µm			
FIELD DECONTAMINATION: PUMP Y N Dedicated				TUBING Y N Dedicated		DUPLICATE: Y (N)					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
							VOC				400
SEE C.O.C. FOR SAMPLE ANALYSIS						ORP: 1354	(-31.1)				
						1356	(-31.0)				
ORP: 1136 (30.0) 1210 (-13.4) 1244 (-23.5) 1318 (-29.9) 1352 (-31.2)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

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

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



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FINAL

Workorder: Sydney Mine (T2415619)

August 01, 2024

Michael Townsel
Hillsborough Co Public Utilities
332 North Falkenburg Rd
Tampa, FL 33619

RE: Workorder: T2415619 Sydney Mine

Dear Michael Townsel:

Enclosed are the analytical results for sample(s) received by the laboratory on Monday July 8, 2024. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

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

Sincerely,

Heidi Parker, Project Manager
HParker@aellab.com

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FINAL

Workorder: Sydney Mine (T2415619)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
T2415619001	FIELD BLANK	WA	SW-846 8260D	07/08/2024 07:29	07/08/2024 14:45	66	NA
T2415619001	FIELD BLANK	WA	SW-846 8260D (SIM)	07/08/2024 07:29	07/08/2024 14:45	3	NA
T2415619002	TRIP BLANK	WA	SW-846 8260D	07/08/2024 00:00	07/08/2024 14:45	66	NA
T2415619002	TRIP BLANK	WA	SW-846 8260D (SIM)	07/08/2024 00:00	07/08/2024 14:45	3	NA
T2415619003	BV-15	WA	Field Measurements	07/08/2024 07:26	07/08/2024 14:45	6	NA
T2415619003	BV-15	WA	SW-846 8260D	07/08/2024 07:26	07/08/2024 14:45	66	NA
T2415619003	BV-15	WA	SW-846 8260D (SIM)	07/08/2024 07:26	07/08/2024 14:45	3	NA
T2415619004	BV-16	WA	Field Measurements	07/08/2024 08:17	07/08/2024 14:45	6	NA
T2415619004	BV-16	WA	SW-846 8260D	07/08/2024 08:17	07/08/2024 14:45	66	NA
T2415619004	BV-16	WA	SW-846 8260D (SIM)	07/08/2024 08:17	07/08/2024 14:45	3	NA
T2415619005	BV-7	WA	Field Measurements	07/08/2024 09:45	07/08/2024 14:45	6	NA
T2415619005	BV-7	WA	SW-846 8260D	07/08/2024 09:45	07/08/2024 14:45	66	NA
T2415619005	BV-7	WA	SW-846 8260D (SIM)	07/08/2024 09:45	07/08/2024 14:45	3	NA
T2415619006	BV-17	WA	Field Measurements	07/08/2024 12:40	07/08/2024 14:45	6	NA
T2415619006	BV-17	WA	SW-846 8260D	07/08/2024 12:40	07/08/2024 14:45	66	NA
T2415619006	BV-17	WA	SW-846 8260D (SIM)	07/08/2024 12:40	07/08/2024 14:45	3	NA
T2415619007	BV-22	WA	Field Measurements	07/08/2024 07:28	07/08/2024 14:45	6	NA
T2415619007	BV-22	WA	SW-846 8260D	07/08/2024 07:28	07/08/2024 14:45	66	NA
T2415619007	BV-22	WA	SW-846 8260D (SIM)	07/08/2024 07:28	07/08/2024 14:45	3	NA
T2415619008	BV-21R	WA	Field Measurements	07/08/2024 09:43	07/08/2024 14:45	6	NA
T2415619008	BV-21R	WA	SW-846 8260D	07/08/2024 09:43	07/08/2024 14:45	66	NA
T2415619008	BV-21R	WA	SW-846 8260D (SIM)	07/08/2024 09:43	07/08/2024 14:45	3	NA
T2415619009	BV-23	WA	Field Measurements	07/08/2024 12:36	07/08/2024 14:45	6	NA
T2415619009	BV-23	WA	SW-846 8260D	07/08/2024 12:36	07/08/2024 14:45	66	NA
T2415619009	BV-23	WA	SW-846 8260D (SIM)	07/08/2024 12:36	07/08/2024 14:45	3	NA
T2415619010	BV-26	WA	Field Measurements	07/08/2024 11:28	07/08/2024 14:45	6	NA
T2415619010	BV-26	WA	SW-846 8260D	07/08/2024 11:28	07/08/2024 14:45	66	NA
T2415619010	BV-26	WA	SW-846 8260D (SIM)	07/08/2024 11:28	07/08/2024 14:45	3	NA
T2415619011	BV-20	WA	Field Measurements	07/08/2024 13:21	07/08/2024 14:45	6	NA
T2415619011	BV-20	WA	SW-846 8260D	07/08/2024 13:21	07/08/2024 14:45	66	NA
T2415619011	BV-20	WA	SW-846 8260D (SIM)	07/08/2024 13:21	07/08/2024 14:45	3	NA

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results Qualifiers

Parameter Qualifiers

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

Lab Qualifiers

- T^ Not Certified
- T DOH Certification #E84589 (FL NELAC) AEL-Tampa

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID:	T2415619001	Date Collected:	07/08/2024 07:29			Matrix:	Water		
Sample ID:	FIELD BLANK	Date Received:	07/08/2024 14:45						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))									
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/17/2024 12:11	07/17/2024 15:36	T	
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/17/2024 12:11	07/17/2024 15:36	T	
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/17/2024 12:11	07/17/2024 15:36	T	
VOLATILES (SW-846 5030B/SW-846 8260D)									
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/17/2024 12:11	07/17/2024 15:36	T	
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 15:36	T	
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/17/2024 12:11	07/17/2024 15:36	T	
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 15:36	T	
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 15:36	T	
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 15:36	T	
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 15:36	T	
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 15:36	T	
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/17/2024 12:11	07/17/2024 15:36	T	
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 15:36	T	
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 15:36	T	
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 15:36	T	
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/17/2024 12:11	07/17/2024 15:36	T	
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 15:36	T	
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 15:36	T	
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 15:36	T	
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 15:36	T	
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 15:36	T	
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 15:36	T	
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/17/2024 12:11	07/17/2024 15:36	T	
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 15:36	T	
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 15:36	T	

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619001
Sample ID: FIELD BLANK

Date Collected: 07/08/2024 07:29
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 15:36	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 15:36	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/17/2024 12:11	07/17/2024 15:36	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/17/2024 12:11	07/17/2024 15:36	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/17/2024 12:11	07/17/2024 15:36	T
Benzene	0.28 U	ug/L	1.0	0.28	1	07/17/2024 12:11	07/17/2024 15:36	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 15:36	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 15:36	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 15:36	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 15:36	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 15:36	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 15:36	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 15:36	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 15:36	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 15:36	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 15:36	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 15:36	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 15:36	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 15:36	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/17/2024 12:11	07/17/2024 15:36	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 15:36	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 15:36	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/17/2024 12:11	07/17/2024 15:36	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 15:36	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/17/2024 12:11	07/17/2024 15:36	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 15:36	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/17/2024 12:11	07/17/2024 15:36	T

Thursday, August 1, 2024 3:32:55 PM
Dates and times are displayed using (-04:00)
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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619001
Sample ID: FIELD BLANK

Date Collected: 07/08/2024 07:29
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Styrene	0.29 U	ug/L	1.0	0.29	1	07/17/2024 12:11	07/17/2024 15:36	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 15:36	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/17/2024 12:11	07/17/2024 15:36	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 15:36	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 15:36	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 15:36	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 15:36	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/17/2024 12:11	07/17/2024 15:36	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 15:36	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 15:36	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/17/2024 12:11	07/17/2024 15:36	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 15:36	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/17/2024 12:11	07/17/2024 15:36	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 15:36	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 15:36	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 15:36	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 15:36	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	52	104	70 - 128	T
Toluene-d8 (S)	ug/L	50	51	102	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	55	111	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	44	87	70 - 128	T
Toluene-d8 (S)	ug/L	50	50	99	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	56	111	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID:	T2415619002	Date Collected:	07/08/2024 00:00				Matrix:	Water	
Sample ID:	TRIP BLANK	Date Received:	07/08/2024 14:45						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))									
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/17/2024 12:11	07/17/2024 16:01	T	
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/17/2024 12:11	07/17/2024 16:01	T	
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/17/2024 12:11	07/17/2024 16:01	T	
VOLATILES (SW-846 5030B/SW-846 8260D)									
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/17/2024 12:11	07/17/2024 16:01	T	
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 16:01	T	
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/17/2024 12:11	07/17/2024 16:01	T	
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 16:01	T	
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 16:01	T	
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 16:01	T	
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 16:01	T	
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 16:01	T	
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/17/2024 12:11	07/17/2024 16:01	T	
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 16:01	T	
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 16:01	T	
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 16:01	T	
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/17/2024 12:11	07/17/2024 16:01	T	
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 16:01	T	
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 16:01	T	
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 16:01	T	
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 16:01	T	
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 16:01	T	
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 16:01	T	
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/17/2024 12:11	07/17/2024 16:01	T	
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 16:01	T	
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 16:01	T	





FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619002
Sample ID: TRIP BLANK

Date Collected: 07/08/2024 00:00
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 16:01	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 16:01	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/17/2024 12:11	07/17/2024 16:01	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/17/2024 12:11	07/17/2024 16:01	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/17/2024 12:11	07/17/2024 16:01	T
Benzene	0.28 U	ug/L	1.0	0.28	1	07/17/2024 12:11	07/17/2024 16:01	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 16:01	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 16:01	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 16:01	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 16:01	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 16:01	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 16:01	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 16:01	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 16:01	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 16:01	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 16:01	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 16:01	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 16:01	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 16:01	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/17/2024 12:11	07/17/2024 16:01	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 16:01	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 16:01	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/17/2024 12:11	07/17/2024 16:01	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 16:01	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/17/2024 12:11	07/17/2024 16:01	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 16:01	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/17/2024 12:11	07/17/2024 16:01	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619002
Sample ID: TRIP BLANK

Date Collected: 07/08/2024 00:00
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Styrene	0.29 U	ug/L	1.0	0.29	1	07/17/2024 12:11	07/17/2024 16:01	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 16:01	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/17/2024 12:11	07/17/2024 16:01	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 16:01	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 16:01	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 16:01	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 16:01	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/17/2024 12:11	07/17/2024 16:01	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 16:01	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 16:01	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/17/2024 12:11	07/17/2024 16:01	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 16:01	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/17/2024 12:11	07/17/2024 16:01	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 16:01	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 16:01	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 16:01	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 16:01	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	52	105	70 - 128	T
Toluene-d8 (S)	ug/L	50	52	104	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	55	109	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	44	88	70 - 128	T
Toluene-d8 (S)	ug/L	50	50	100	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	55	110	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619003
Sample ID: BV-15

Date Collected: 07/08/2024 07:26
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	322.1	umhos/cm			1	07/08/2024 07:26	07/08/2024 07:26	
Dissolved Oxygen	4.72	mg/L			1	07/08/2024 07:26	07/08/2024 07:26	
ORP-2580BW	-12.9	mV			1	07/08/2024 07:26	07/08/2024 07:26	
Temperature	24.7	°C			1	07/08/2024 07:26	07/08/2024 07:26	
Turbidity	7.57	NTU			1	07/08/2024 07:26	07/08/2024 07:26	
pH	5.92	SU			1	07/08/2024 07:26	07/08/2024 07:26	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/17/2024 12:11	07/17/2024 20:42	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/17/2024 12:11	07/17/2024 20:42	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/17/2024 12:11	07/17/2024 20:42	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/17/2024 12:11	07/17/2024 20:42	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 20:42	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/17/2024 12:11	07/17/2024 20:42	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 20:42	T
1,1-Dichloroethane	0.76 I	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 20:42	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 20:42	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 20:42	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 20:42	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/17/2024 12:11	07/17/2024 20:42	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 20:42	T
1,2-Dichlorobenzene	4.7	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 20:42	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 20:42	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/17/2024 12:11	07/17/2024 20:42	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 20:42	T
1,3-Dichlorobenzene	0.61 I	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 20:42	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619003
Sample ID: BV-15

Date Collected: 07/08/2024 07:26
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 20:42	T
1,4-Dichlorobenzene	0.68 I	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 20:42	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 20:42	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 20:42	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/17/2024 12:11	07/17/2024 20:42	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 20:42	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 20:42	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 20:42	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 20:42	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/17/2024 12:11	07/17/2024 20:42	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/17/2024 12:11	07/17/2024 20:42	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/17/2024 12:11	07/17/2024 20:42	T
Benzene	0.89 I	ug/L	1.0	0.28	1	07/17/2024 12:11	07/17/2024 20:42	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 20:42	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 20:42	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 20:42	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 20:42	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 20:42	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 20:42	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 20:42	T
Chlorobenzene	2.7	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 20:42	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 20:42	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 20:42	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 20:42	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 20:42	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 20:42	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/17/2024 12:11	07/17/2024 20:42	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619003
Sample ID: BV-15

Date Collected: 07/08/2024 07:26
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 20:42	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 20:42	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/17/2024 12:11	07/17/2024 20:42	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 20:42	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/17/2024 12:11	07/17/2024 20:42	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 20:42	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/17/2024 12:11	07/17/2024 20:42	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/17/2024 12:11	07/17/2024 20:42	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 20:42	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/17/2024 12:11	07/17/2024 20:42	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 20:42	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 20:42	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 20:42	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 20:42	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/17/2024 12:11	07/17/2024 20:42	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 20:42	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 20:42	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/17/2024 12:11	07/17/2024 20:42	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 20:42	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/17/2024 12:11	07/17/2024 20:42	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 20:42	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 20:42	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 20:42	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 20:42	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	53	105	70 - 128	T
Toluene-d8 (S)	ug/L	50	50	100	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	109	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	45	90	70 - 128	T
Toluene-d8 (S)	ug/L	50	50	99	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	55	109	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619004
Sample ID: BV-16

Date Collected: 07/08/2024 08:17
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	609	umhos/cm			1	07/08/2024 08:17	07/08/2024 08:17	
Dissolved Oxygen	0.09	mg/L			1	07/08/2024 08:17	07/08/2024 08:17	
ORP-2580BW	-97.2	mV			1	07/08/2024 08:17	07/08/2024 08:17	
Temperature	24.5	°C			1	07/08/2024 08:17	07/08/2024 08:17	
Turbidity	5.25	NTU			1	07/08/2024 08:17	07/08/2024 08:17	
pH	6.58	SU			1	07/08/2024 08:17	07/08/2024 08:17	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/17/2024 12:11	07/17/2024 21:58	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/17/2024 12:11	07/17/2024 21:58	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/17/2024 12:11	07/17/2024 21:58	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/17/2024 12:11	07/17/2024 21:58	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 21:58	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/17/2024 12:11	07/17/2024 21:58	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 21:58	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 21:58	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 21:58	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 21:58	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 21:58	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/17/2024 12:11	07/17/2024 21:58	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 21:58	T
1,2-Dichlorobenzene	3.8	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 21:58	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 21:58	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/17/2024 12:11	07/17/2024 21:58	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 21:58	T
1,3-Dichlorobenzene	0.58 I	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 21:58	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619004
Sample ID: BV-16

Date Collected: 07/08/2024 08:17
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 21:58	T
1,4-Dichlorobenzene	0.79 I	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 21:58	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 21:58	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 21:58	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/17/2024 12:11	07/17/2024 21:58	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 21:58	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 21:58	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 21:58	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 21:58	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/17/2024 12:11	07/17/2024 21:58	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/17/2024 12:11	07/17/2024 21:58	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/17/2024 12:11	07/17/2024 21:58	T
Benzene	1.9	ug/L	1.0	0.28	1	07/17/2024 12:11	07/17/2024 21:58	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 21:58	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 21:58	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 21:58	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 21:58	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 21:58	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 21:58	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 21:58	T
Chlorobenzene	1.9	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 21:58	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 21:58	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 21:58	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 21:58	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 21:58	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 21:58	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/17/2024 12:11	07/17/2024 21:58	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619004
Sample ID: BV-16

Date Collected: 07/08/2024 08:17
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 21:58	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 21:58	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/17/2024 12:11	07/17/2024 21:58	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 21:58	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/17/2024 12:11	07/17/2024 21:58	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 21:58	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/17/2024 12:11	07/17/2024 21:58	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/17/2024 12:11	07/17/2024 21:58	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 21:58	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/17/2024 12:11	07/17/2024 21:58	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 21:58	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 21:58	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 21:58	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 21:58	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/17/2024 12:11	07/17/2024 21:58	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 21:58	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 21:58	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/17/2024 12:11	07/17/2024 21:58	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 21:58	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/17/2024 12:11	07/17/2024 21:58	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 21:58	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 21:58	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 21:58	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 21:58	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	52	103	70 - 128	T
Toluene-d8 (S)	ug/L	50	46	91	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	106	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	44	89	70 - 128	T
Toluene-d8 (S)	ug/L	50	50	101	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	106	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619005
Sample ID: BV-7

Date Collected: 07/08/2024 09:45
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	166.9	umhos/cm			1	07/08/2024 09:45	07/08/2024 09:45	
Dissolved Oxygen	0.14	mg/L			1	07/08/2024 09:45	07/08/2024 09:45	
ORP-2580BW	47	mV			1	07/08/2024 09:45	07/08/2024 09:45	
Temperature	24.8	°C			1	07/08/2024 09:45	07/08/2024 09:45	
Turbidity	1.24	NTU			1	07/08/2024 09:45	07/08/2024 09:45	
pH	5.37	SU			1	07/08/2024 09:45	07/08/2024 09:45	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/17/2024 12:11	07/17/2024 20:17	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/17/2024 12:11	07/17/2024 20:17	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/17/2024 12:11	07/17/2024 20:17	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/17/2024 12:11	07/17/2024 20:17	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 20:17	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/17/2024 12:11	07/17/2024 20:17	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 20:17	T
1,1-Dichloroethane	0.65 I	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 20:17	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 20:17	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 20:17	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 20:17	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/17/2024 12:11	07/17/2024 20:17	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 20:17	T
1,2-Dichlorobenzene	3.8	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 20:17	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 20:17	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/17/2024 12:11	07/17/2024 20:17	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 20:17	T
1,3-Dichlorobenzene	0.55 I	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 20:17	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619005
Sample ID: BV-7

Date Collected: 07/08/2024 09:45
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 20:17	T
1,4-Dichlorobenzene	0.58 I	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 20:17	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 20:17	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 20:17	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/17/2024 12:11	07/17/2024 20:17	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 20:17	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 20:17	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 20:17	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 20:17	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/17/2024 12:11	07/17/2024 20:17	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/17/2024 12:11	07/17/2024 20:17	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/17/2024 12:11	07/17/2024 20:17	T
Benzene	5.5	ug/L	1.0	0.28	1	07/17/2024 12:11	07/17/2024 20:17	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 20:17	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 20:17	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 20:17	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 20:17	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 20:17	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 20:17	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 20:17	T
Chlorobenzene	1.1	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 20:17	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 20:17	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 20:17	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 20:17	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 20:17	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 20:17	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/17/2024 12:11	07/17/2024 20:17	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619005
Sample ID: BV-7

Date Collected: 07/08/2024 09:45
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 20:17	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 20:17	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/17/2024 12:11	07/17/2024 20:17	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 20:17	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/17/2024 12:11	07/17/2024 20:17	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 20:17	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/17/2024 12:11	07/17/2024 20:17	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/17/2024 12:11	07/17/2024 20:17	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 20:17	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/17/2024 12:11	07/17/2024 20:17	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 20:17	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 20:17	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 20:17	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 20:17	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/17/2024 12:11	07/17/2024 20:17	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 20:17	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 20:17	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/17/2024 12:11	07/17/2024 20:17	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 20:17	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/17/2024 12:11	07/17/2024 20:17	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 20:17	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 20:17	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 20:17	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 20:17	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	51	102	70 - 128	T
Toluene-d8 (S)	ug/L	50	52	104	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	106	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	43	86	70 - 128	T
Toluene-d8 (S)	ug/L	50	50	100	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	106	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619006
Sample ID: BV-17

Date Collected: 07/08/2024 12:40
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	441.9	umhos/cm			1	07/08/2024 12:40	07/08/2024 12:40	
Dissolved Oxygen	0.13	mg/L			1	07/08/2024 12:40	07/08/2024 12:40	
ORP-2580BW	-61.8	mV			1	07/08/2024 12:40	07/08/2024 12:40	
Temperature	24.2	°C			1	07/08/2024 12:40	07/08/2024 12:40	
Turbidity	96.2	NTU			1	07/08/2024 12:40	07/08/2024 12:40	
pH	6.22	SU			1	07/08/2024 12:40	07/08/2024 12:40	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/17/2024 12:11	07/17/2024 19:51	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/17/2024 12:11	07/17/2024 19:51	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/17/2024 12:11	07/17/2024 19:51	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/17/2024 12:11	07/17/2024 19:51	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 19:51	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/17/2024 12:11	07/17/2024 19:51	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 19:51	T
1,1-Dichloroethane	0.82 I	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 19:51	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 19:51	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 19:51	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 19:51	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/17/2024 12:11	07/17/2024 19:51	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 19:51	T
1,2-Dichlorobenzene	7.6	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 19:51	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 19:51	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/17/2024 12:11	07/17/2024 19:51	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 19:51	T
1,3-Dichlorobenzene	1.1	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 19:51	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619006
Sample ID: BV-17

Date Collected: 07/08/2024 12:40
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 19:51	T
1,4-Dichlorobenzene	1.5	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 19:51	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 19:51	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 19:51	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/17/2024 12:11	07/17/2024 19:51	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 19:51	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 19:51	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 19:51	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 19:51	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/17/2024 12:11	07/17/2024 19:51	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/17/2024 12:11	07/17/2024 19:51	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/17/2024 12:11	07/17/2024 19:51	T
Benzene	8.2	ug/L	1.0	0.28	1	07/17/2024 12:11	07/17/2024 19:51	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 19:51	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 19:51	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 19:51	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 19:51	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 19:51	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 19:51	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 19:51	T
Chlorobenzene	7.0	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 19:51	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 19:51	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 19:51	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 19:51	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 19:51	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 19:51	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/17/2024 12:11	07/17/2024 19:51	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619006
Sample ID: BV-17

Date Collected: 07/08/2024 12:40
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 19:51	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 19:51	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/17/2024 12:11	07/17/2024 19:51	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 19:51	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/17/2024 12:11	07/17/2024 19:51	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 19:51	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/17/2024 12:11	07/17/2024 19:51	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/17/2024 12:11	07/17/2024 19:51	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 19:51	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/17/2024 12:11	07/17/2024 19:51	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 19:51	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 19:51	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 19:51	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 19:51	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/17/2024 12:11	07/17/2024 19:51	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 19:51	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 19:51	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/17/2024 12:11	07/17/2024 19:51	T
n-propylbenzene	0.58 I	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 19:51	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/17/2024 12:11	07/17/2024 19:51	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 19:51	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 19:51	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 19:51	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 19:51	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	51	102	70 - 128	T
Toluene-d8 (S)	ug/L	50	52	104	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	105	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	43	86	70 - 128	T
Toluene-d8 (S)	ug/L	50	51	101	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	106	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619007
Sample ID: BV-22

Date Collected: 07/08/2024 07:28
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	185.1	umhos/cm			1	07/08/2024 07:28	07/08/2024 07:28	
Dissolved Oxygen	1.64	mg/L			1	07/08/2024 07:28	07/08/2024 07:28	
ORP-2580BW	33.3	mV			1	07/08/2024 07:28	07/08/2024 07:28	
Temperature	23.9	°C			1	07/08/2024 07:28	07/08/2024 07:28	
Turbidity	3.02	NTU			1	07/08/2024 07:28	07/08/2024 07:28	
pH	6.63	SU			1	07/08/2024 07:28	07/08/2024 07:28	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/17/2024 12:11	07/17/2024 17:18	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/17/2024 12:11	07/17/2024 17:18	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/17/2024 12:11	07/17/2024 17:18	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/17/2024 12:11	07/17/2024 17:18	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 17:18	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/17/2024 12:11	07/17/2024 17:18	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 17:18	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 17:18	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 17:18	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 17:18	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 17:18	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/17/2024 12:11	07/17/2024 17:18	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 17:18	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 17:18	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 17:18	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/17/2024 12:11	07/17/2024 17:18	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 17:18	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 17:18	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619007
Sample ID: BV-22

Date Collected: 07/08/2024 07:28
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 17:18	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 17:18	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 17:18	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 17:18	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/17/2024 12:11	07/17/2024 17:18	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 17:18	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 17:18	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 17:18	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 17:18	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/17/2024 12:11	07/17/2024 17:18	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/17/2024 12:11	07/17/2024 17:18	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/17/2024 12:11	07/17/2024 17:18	T
Benzene	0.28 U	ug/L	1.0	0.28	1	07/17/2024 12:11	07/17/2024 17:18	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 17:18	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 17:18	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 17:18	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 17:18	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 17:18	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 17:18	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 17:18	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 17:18	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 17:18	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 17:18	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 17:18	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 17:18	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 17:18	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/17/2024 12:11	07/17/2024 17:18	T

Thursday, August 1, 2024 3:32:55 PM
Dates and times are displayed using (-04:00)
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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619007
Sample ID: BV-22

Date Collected: 07/08/2024 07:28
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 17:18	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 17:18	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/17/2024 12:11	07/17/2024 17:18	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 17:18	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/17/2024 12:11	07/17/2024 17:18	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 17:18	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/17/2024 12:11	07/17/2024 17:18	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/17/2024 12:11	07/17/2024 17:18	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 17:18	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/17/2024 12:11	07/17/2024 17:18	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 17:18	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 17:18	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 17:18	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 17:18	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/17/2024 12:11	07/17/2024 17:18	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 17:18	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 17:18	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/17/2024 12:11	07/17/2024 17:18	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 17:18	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/17/2024 12:11	07/17/2024 17:18	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 17:18	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 17:18	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 17:18	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 17:18	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	52	104	70 - 128	T
Toluene-d8 (S)	ug/L	50	49	99	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	55	110	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	44	88	70 - 128	T
Toluene-d8 (S)	ug/L	50	50	100	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	55	111	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619008
Sample ID: BV-21R

Date Collected: 07/08/2024 09:43
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	346.4	umhos/cm			1	07/08/2024 09:43	07/08/2024 09:43	
Dissolved Oxygen	0.16	mg/L			1	07/08/2024 09:43	07/08/2024 09:43	
ORP-2580BW	35.9	mV			1	07/08/2024 09:43	07/08/2024 09:43	
Temperature	23.7	°C			1	07/08/2024 09:43	07/08/2024 09:43	
Turbidity	8.48	NTU			1	07/08/2024 09:43	07/08/2024 09:43	
pH	6.33	SU			1	07/08/2024 09:43	07/08/2024 09:43	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/17/2024 12:11	07/17/2024 19:26	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/17/2024 12:11	07/17/2024 19:26	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/17/2024 12:11	07/17/2024 19:26	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/17/2024 12:11	07/17/2024 19:26	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 19:26	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/17/2024 12:11	07/17/2024 19:26	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 19:26	T
1,1-Dichloroethane	0.92 I	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 19:26	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 19:26	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 19:26	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 19:26	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/17/2024 12:11	07/17/2024 19:26	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 19:26	T
1,2-Dichlorobenzene	0.98 I	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 19:26	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 19:26	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/17/2024 12:11	07/17/2024 19:26	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 19:26	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 19:26	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619008
Sample ID: BV-21R

Date Collected: 07/08/2024 09:43
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 19:26	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 19:26	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 19:26	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 19:26	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/17/2024 12:11	07/17/2024 19:26	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 19:26	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 19:26	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 19:26	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 19:26	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/17/2024 12:11	07/17/2024 19:26	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/17/2024 12:11	07/17/2024 19:26	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/17/2024 12:11	07/17/2024 19:26	T
Benzene	17	ug/L	1.0	0.28	1	07/17/2024 12:11	07/17/2024 19:26	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 19:26	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 19:26	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 19:26	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 19:26	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 19:26	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 19:26	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 19:26	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 19:26	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 19:26	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 19:26	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 19:26	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 19:26	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 19:26	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/17/2024 12:11	07/17/2024 19:26	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619008
Sample ID: BV-21R

Date Collected: 07/08/2024 09:43
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 19:26	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 19:26	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/17/2024 12:11	07/17/2024 19:26	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 19:26	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/17/2024 12:11	07/17/2024 19:26	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 19:26	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/17/2024 12:11	07/17/2024 19:26	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/17/2024 12:11	07/17/2024 19:26	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 19:26	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/17/2024 12:11	07/17/2024 19:26	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 19:26	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 19:26	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 19:26	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 19:26	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/17/2024 12:11	07/17/2024 19:26	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 19:26	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 19:26	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/17/2024 12:11	07/17/2024 19:26	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 19:26	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/17/2024 12:11	07/17/2024 19:26	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 19:26	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 19:26	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 19:26	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 19:26	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	52	104	70 - 128	T
Toluene-d8 (S)	ug/L	50	51	102	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	109	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	43	87	70 - 128	T
Toluene-d8 (S)	ug/L	50	49	98	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	55	109	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619009
Sample ID: BV-23

Date Collected: 07/08/2024 12:36
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	720	umhos/cm			1	07/08/2024 12:36	07/08/2024 12:36	
Dissolved Oxygen	4.3	mg/L			1	07/08/2024 12:36	07/08/2024 12:36	
ORP-2580BW	-17.3	mV			1	07/08/2024 12:36	07/08/2024 12:36	
Temperature	27.9	°C			1	07/08/2024 12:36	07/08/2024 12:36	
Turbidity	4.64	NTU			1	07/08/2024 12:36	07/08/2024 12:36	
pH	6.92	SU			1	07/08/2024 12:36	07/08/2024 12:36	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/17/2024 12:11	07/17/2024 18:09	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/17/2024 12:11	07/17/2024 18:09	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/17/2024 12:11	07/17/2024 18:09	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/17/2024 12:11	07/17/2024 18:09	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 18:09	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/17/2024 12:11	07/17/2024 18:09	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 18:09	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 18:09	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 18:09	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 18:09	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 18:09	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/17/2024 12:11	07/17/2024 18:09	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 18:09	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 18:09	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 18:09	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/17/2024 12:11	07/17/2024 18:09	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 18:09	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 18:09	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619009
Sample ID: BV-23

Date Collected: 07/08/2024 12:36
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 18:09	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 18:09	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 18:09	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 18:09	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/17/2024 12:11	07/17/2024 18:09	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 18:09	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 18:09	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 18:09	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 18:09	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/17/2024 12:11	07/17/2024 18:09	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/17/2024 12:11	07/17/2024 18:09	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/17/2024 12:11	07/17/2024 18:09	T
Benzene	0.28 U	ug/L	1.0	0.28	1	07/17/2024 12:11	07/17/2024 18:09	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 18:09	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 18:09	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 18:09	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 18:09	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 18:09	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 18:09	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 18:09	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 18:09	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 18:09	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 18:09	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 18:09	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 18:09	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 18:09	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/17/2024 12:11	07/17/2024 18:09	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619009
Sample ID: BV-23

Date Collected: 07/08/2024 12:36
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 18:09	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 18:09	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/17/2024 12:11	07/17/2024 18:09	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 18:09	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/17/2024 12:11	07/17/2024 18:09	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 18:09	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/17/2024 12:11	07/17/2024 18:09	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/17/2024 12:11	07/17/2024 18:09	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 18:09	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/17/2024 12:11	07/17/2024 18:09	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 18:09	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 18:09	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 18:09	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 18:09	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/17/2024 12:11	07/17/2024 18:09	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 18:09	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 18:09	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/17/2024 12:11	07/17/2024 18:09	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 18:09	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/17/2024 12:11	07/17/2024 18:09	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 18:09	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 18:09	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 18:09	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 18:09	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	50	101	70 - 128	T
Toluene-d8 (S)	ug/L	50	55	110	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	52	105	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	43	85	70 - 128	T
Toluene-d8 (S)	ug/L	50	50	100	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	105	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619010
Sample ID: BV-26

Date Collected: 07/08/2024 11:28
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	487.3	umhos/cm			1	07/08/2024 11:28	07/08/2024 11:28	
Dissolved Oxygen	0.94	mg/L			1	07/08/2024 11:28	07/08/2024 11:28	
ORP-2580BW	-2.3	mV			1	07/08/2024 11:28	07/08/2024 11:28	
Temperature	24.5	°C			1	07/08/2024 11:28	07/08/2024 11:28	
Turbidity	16.6	NTU			1	07/08/2024 11:28	07/08/2024 11:28	
pH	6.04	SU			1	07/08/2024 11:28	07/08/2024 11:28	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/17/2024 12:11	07/17/2024 22:49	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/17/2024 12:11	07/17/2024 22:49	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/17/2024 12:11	07/17/2024 22:49	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/17/2024 12:11	07/17/2024 22:49	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 22:49	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/17/2024 12:11	07/17/2024 22:49	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 22:49	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 22:49	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 22:49	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 22:49	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 22:49	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/17/2024 12:11	07/17/2024 22:49	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 22:49	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 22:49	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 22:49	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/17/2024 12:11	07/17/2024 22:49	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 22:49	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 22:49	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619010
Sample ID: BV-26

Date Collected: 07/08/2024 11:28
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 22:49	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 22:49	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 22:49	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 22:49	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/17/2024 12:11	07/17/2024 22:49	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 22:49	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 22:49	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 22:49	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 22:49	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/17/2024 12:11	07/17/2024 22:49	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/17/2024 12:11	07/17/2024 22:49	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/17/2024 12:11	07/17/2024 22:49	T
Benzene	0.28 U	ug/L	1.0	0.28	1	07/17/2024 12:11	07/17/2024 22:49	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 22:49	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 22:49	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 22:49	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 22:49	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 22:49	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 22:49	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 22:49	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 22:49	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 22:49	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 22:49	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 22:49	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 22:49	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 22:49	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/17/2024 12:11	07/17/2024 22:49	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619010
Sample ID: BV-26

Date Collected: 07/08/2024 11:28
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 22:49	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 22:49	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/17/2024 12:11	07/17/2024 22:49	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 22:49	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/17/2024 12:11	07/17/2024 22:49	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 22:49	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/17/2024 12:11	07/17/2024 22:49	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/17/2024 12:11	07/17/2024 22:49	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 22:49	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/17/2024 12:11	07/17/2024 22:49	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 22:49	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 22:49	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 22:49	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 22:49	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/17/2024 12:11	07/17/2024 22:49	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 22:49	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 22:49	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/17/2024 12:11	07/17/2024 22:49	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 22:49	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/17/2024 12:11	07/17/2024 22:49	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 22:49	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 22:49	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 22:49	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 22:49	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	53	107	70 - 128	T
Toluene-d8 (S)	ug/L	50	46	91	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	45	91	70 - 128	T
Toluene-d8 (S)	ug/L	50	49	98	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619011	Date Collected: 07/08/2024 13:21				Matrix: Water			
Sample ID: BV-20	Date Received: 07/08/2024 14:45							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (Field Measurements)								
Conductivity	149.9	umhos/cm			1	07/08/2024 13:21	07/08/2024 13:21	
Dissolved Oxygen	0.4	mg/L			1	07/08/2024 13:21	07/08/2024 13:21	
ORP-2580BW	87	mV			1	07/08/2024 13:21	07/08/2024 13:21	
Temperature	24.4	°C			1	07/08/2024 13:21	07/08/2024 13:21	
Turbidity	10.9	NTU			1	07/08/2024 13:21	07/08/2024 13:21	
pH	5.59	SU			1	07/08/2024 13:21	07/08/2024 13:21	
VOLATILES (SW-846 5030B/SW-846 8260D (SIM))								
1,2,3-Trichloropropane	0.015 U	ug/L	0.020	0.015	1	07/17/2024 12:11	07/17/2024 19:00	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	1	07/17/2024 12:11	07/17/2024 19:00	T
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	1	07/17/2024 12:11	07/17/2024 19:00	T
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	07/17/2024 12:11	07/17/2024 19:00	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 19:00	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	07/17/2024 12:11	07/17/2024 19:00	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 19:00	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 19:00	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 19:00	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 19:00	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 19:00	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	07/17/2024 12:11	07/17/2024 19:00	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 19:00	T
1,2-Dichlorobenzene	1.1	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 19:00	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 19:00	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	07/17/2024 12:11	07/17/2024 19:00	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 19:00	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 19:00	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619011
Sample ID: BV-20

Date Collected: 07/08/2024 13:21
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 19:00	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 19:00	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 19:00	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 19:00	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	07/17/2024 12:11	07/17/2024 19:00	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 19:00	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 19:00	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 19:00	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	07/17/2024 12:11	07/17/2024 19:00	T
Acetone	0.90 U	ug/L	2.0	0.90	1	07/17/2024 12:11	07/17/2024 19:00	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	07/17/2024 12:11	07/17/2024 19:00	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	07/17/2024 12:11	07/17/2024 19:00	T
Benzene	2.3	ug/L	1.0	0.28	1	07/17/2024 12:11	07/17/2024 19:00	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 19:00	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	07/17/2024 12:11	07/17/2024 19:00	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 19:00	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 19:00	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 19:00	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 19:00	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 19:00	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 19:00	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 19:00	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 19:00	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 19:00	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	07/17/2024 12:11	07/17/2024 19:00	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 19:00	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	07/17/2024 12:11	07/17/2024 19:00	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Lab ID: T2415619011
Sample ID: BV-20

Date Collected: 07/08/2024 13:21
Date Received: 07/08/2024 14:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 19:00	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 19:00	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	07/17/2024 12:11	07/17/2024 19:00	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	07/17/2024 12:11	07/17/2024 19:00	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	07/17/2024 12:11	07/17/2024 19:00	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	07/17/2024 12:11	07/17/2024 19:00	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	07/17/2024 12:11	07/17/2024 19:00	T
Styrene	0.29 U	ug/L	1.0	0.29	1	07/17/2024 12:11	07/17/2024 19:00	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	07/17/2024 12:11	07/17/2024 19:00	T
Toluene	0.66 U	ug/L	1.0	0.66	1	07/17/2024 12:11	07/17/2024 19:00	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	07/17/2024 12:11	07/17/2024 19:00	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 19:00	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	07/17/2024 12:11	07/17/2024 19:00	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	07/17/2024 12:11	07/17/2024 19:00	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	07/17/2024 12:11	07/17/2024 19:00	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 19:00	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 19:00	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	07/17/2024 12:11	07/17/2024 19:00	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	07/17/2024 12:11	07/17/2024 19:00	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	1	07/17/2024 12:11	07/17/2024 19:00	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	07/17/2024 12:11	07/17/2024 19:00	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	07/17/2024 12:11	07/17/2024 19:00	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	07/17/2024 12:11	07/17/2024 19:00	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	07/17/2024 12:11	07/17/2024 19:00	T

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FINAL

Workorder: Sydney Mine (T2415619)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	52	105	70 - 128	T
Toluene-d8 (S)	ug/L	50	53	106	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	T
1,2-Dichloroethane-d4 (S)	ug/L	50	45	89	70 - 128	T
Toluene-d8 (S)	ug/L	50	50	100	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	T

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FINAL

Workorder: Sydney Mine (T2415619)

QC Results

QC Batch: MSVt/9646 **Analysis Method:** SW-846 8260D (SIM)
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415619001, T2415619002, T2415619003, T2415619004, T2415619005, T2415619006, T2415619007, T2415619008, T2415619009, T2415619010, T2415619011

Method Blank(5397192)

Parameter	Results	Units	PQL	MDL	Lab
Ethylene Dibromide (EDB)	0.019 U	ug/L	0.020	0.019	T
1,2-Dibromo-3-Chloropropane	0.023 U	ug/L	0.030	0.023	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	52	103	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	54	109	86 - 123	T
Toluene-d8 (S)	ug/L	50	50	101	77 - 119	T

Lab Control Sample (5397193); Lab Control Sample Duplicate (5397194); Parent Lab Sample (T2415619001, T2415619002, T2415619003, T2415619004, T2415619005, T2415619006, T2415619007, T2415619008, T2415619009, T2415619010, T2415619011)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Ethylene Dibromide (EDB)	ug/L	0.80	0.7	87	77 - 121	0.76	95	8	20	T
1,2-Dibromo-3-Chloropropa	ug/L	0.80	0.7	87	62 - 128	0.77	96	10	20	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	51	102	70 - 128	51	103	0		T
Bromofluorobenzene (S)	ug/L	50	57	115	86 - 123	54	108	6		T
Toluene-d8 (S)	ug/L	50	43	86	77 - 119	45	89	3		T

Matrix Spike (5397195); Original (T2415619007); Parent Lab Sample (T2415619007)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Ethylene Dibromide (EDB)	ug/L	0.80	0.75	93	77 - 121	T
1,2-Dibromo-3-Chloropropane	ug/L	0.80	0.79	98	62 - 128	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	51	101	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	55	111	86 - 123	T
Toluene-d8 (S)	ug/L	50	46	92	77 - 119	T

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FINAL

Workorder: Sydney Mine (T2415619)

QC Results

QC Batch: MSVt/9648 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415619001, T2415619002, T2415619003, T2415619004, T2415619005, T2415619006, T2415619007, T2415619008, T2415619009, T2415619010, T2415619011

Method Blank(5397210)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	T
Chloromethane	0.39 U	ug/L	1.0	0.39	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	T
Bromomethane	0.32 U	ug/L	1.0	0.32	T
Chloroethane	0.42 U	ug/L	1.0	0.42	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	T
Acetone	0.90 U	ug/L	2.0	0.90	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	T
Chloroform	0.37 U	ug/L	1.0	0.37	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	T
Benzene	0.28 U	ug/L	1.0	0.28	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	T

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FINAL

Workorder: Sydney Mine (T2415619)

QC Batch: MSVt/9648 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415619001, T2415619002, T2415619003, T2415619004, T2415619005, T2415619006, T2415619007, T2415619008, T2415619009, T2415619010, T2415619011

Parameter	Results	Units	PQL	MDL	Lab
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	T
Toluene	0.66 U	ug/L	1.0	0.66	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	T
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	T
Bromoform	0.36 U	ug/L	1.0	0.36	T
Styrene	0.29 U	ug/L	1.0	0.29	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	T
p-Isopropyltoluene	0.49 U	ug/L	1.0	0.49	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	T
Naphthalene	0.93 U	ug/L	1.0	0.93	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	T

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FINAL

Workorder: Sydney Mine (T2415619)

QC Batch: MSVt/9648 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415619001, T2415619002, T2415619003, T2415619004, T2415619005, T2415619006, T2415619007, T2415619008, T2415619009, T2415619010, T2415619011

Parameter	Results	Units	PQL	MDL	Lab
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	44	88	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	55	109	86 - 123	T
Toluene-d8 (S)	ug/L	50	49	99	77 - 119	T

Lab Control Sample (5397211); Lab Control Sample Duplicate (5397212); Parent Lab Sample (T2415619001, T2415619002, T2415619003, T2415619004, T2415619005, T2415619006, T2415619007, T2415619008, T2415619009, T2415619010, T2415619011)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	ug/L	20	18	90	32 - 152	18	90	1	20	T
Chloromethane	ug/L	20	19	97	50 - 139	19	97	0	20	T
Vinyl Chloride	ug/L	20	18	90	58 - 137	19	94	4	20	T
Bromomethane	ug/L	20	21	105	10 - 150	21	105	0	20	T
Chloroethane	ug/L	20	19	95	60 - 138	20	99	4	20	T
Trichlorofluoromethane	ug/L	20	19	93	65 - 141	21	105	13	20	T
Acrolein (Propenal)	ug/L	100	110	112	39 - 155	120	116	4	20	T
Acetone	ug/L	20	21	103	39 - 160	21	105	2	20	T
1,1-Dichloroethylene	ug/L	20	18	89	71 - 131	19	93	4	20	T
Iodomethane (Methyl Iodid	ug/L	20	17	85	10 - 150	18	90	6	20	T
Acrylonitrile	ug/L	20	21	104	63 - 135	22	109	4	20	T
Methylene Chloride	ug/L	20	21	106	74 - 124	20	101	5	20	T
Carbon Disulfide	ug/L	20	17	83	64 - 133	17	87	5	20	T
trans-1,2-Dichloroethylene	ug/L	20	19	97	75 - 124	20	101	4	20	T
Methyl tert-butyl Ether (MT	ug/L	20	22	109	71 - 124	22	111	1	20	T
1,1-Dichloroethane	ug/L	20	20	102	77 - 125	21	104	3	20	T
Vinyl Acetate	ug/L	20	21	106	10 - 150	20	101	5	20	T
2-Butanone (MEK)	ug/L	20	23	116	56 - 143	20	101	13	20	T
cis-1,2-Dichloroethylene	ug/L	20	21	104	78 - 123	21	107	3	20	T
Bromochloromethane	ug/L	20	21	104	78 - 123	21	105	1	20	T
Chloroform	ug/L	20	20	102	79 - 124	21	104	3	20	T
2,2-Dichloropropane	ug/L	20	19	94	10 - 150	19	96	2	20	T
1,2-Dichloroethane	ug/L	20	19	96	73 - 128	20	99	3	20	T

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FINAL

Workorder: Sydney Mine (T2415619)

QC Batch: MSVt/9648 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415619001, T2415619002, T2415619003, T2415619004, T2415619005, T2415619006, T2415619007, T2415619008, T2415619009, T2415619010, T2415619011

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,1,1-Trichloroethane	ug/L	20	19	96	74 - 131	20	100	4	20	T
1,1-Dichloropropene	ug/L	20	21	105	79 - 125	21	106	1	20	T
Carbon Tetrachloride	ug/L	20	18	89	72 - 136	18	91	2	20	T
Benzene	ug/L	20	21	107	79 - 120	21	105	3	20	T
Dibromomethane	ug/L	20	22	110	79 - 123	22	112	2	20	T
1,2-Dichloropropane	ug/L	20	22	110	78 - 122	21	106	4	20	T
Trichloroethene	ug/L	20	21	104	79 - 123	22	110	5	20	T
Bromodichloromethane	ug/L	20	20	99	79 - 125	21	103	4	20	T
2-Chloroethyl Vinyl Ether	ug/L	20	21	104	10 - 150	19	96	8	20	T
cis-1,3-Dichloropropene	ug/L	20	21	105	75 - 124	22	109	3	20	T
4-Methyl-2-pentanone (MIB)	ug/L	20	24	118	67 - 130	24	122	3	20	T
trans-1,3-Dichloropropylene	ug/L	20	20	102	73 - 127	22	108	6	20	T
1,1,2-Trichloroethane	ug/L	20	23	113	80 - 119	23	116	2	20	T
Toluene	ug/L	20	21	103	80 - 121	21	107	3	20	T
1,3-Dichloropropane	ug/L	20	21	105	80 - 119	22	109	3	20	T
2-Hexanone	ug/L	20	23	113	57 - 139	23	113	1	20	T
Dibromochloromethane	ug/L	20	18	90	74 - 126	19	97	7	20	T
Tetrachloroethylene (PCE)	ug/L	20	19	95	74 - 129	19	97	2	20	T
1,1,1,2-Tetrachloroethane	ug/L	20	18	92	78 - 124	19	96	4	20	T
Chlorobenzene	ug/L	20	20	99	82 - 118	20	100	0	20	T
Ethylbenzene	ug/L	20	21	105	79 - 121	22	108	3	20	T
Bromoform	ug/L	20	17	86	66 - 130	19	93	8	20	T
Styrene	ug/L	20	21	104	78 - 123	21	105	1	20	T
1,1,2,2-Tetrachloroethane	ug/L	20	22	108	71 - 121	22	110	2	20	T
Isopropylbenzene	ug/L	20	21	106	72 - 131	21	106	0	20	T
Bromobenzene	ug/L	20	21	107	80 - 120	22	110	3	20	T
n-propylbenzene	ug/L	20	21	106	76 - 126	22	109	2	20	T
2-Chlorotoluene	ug/L	20	21	106	79 - 122	21	106	0	20	T
4-Chlorotoluene	ug/L	20	21	105	78 - 122	22	108	2	20	T
1,3,5-Trimethylbenzene	ug/L	20	21	104	75 - 124	21	107	2	20	T
tert-butylbenzene	ug/L	20	21	105	78 - 124	21	106	2	20	T
1,2,4-Trimethylbenzene	ug/L	20	21	107	76 - 124	21	107	0	20	T
sec-butylbenzene	ug/L	20	21	104	77 - 126	21	107	3	20	T

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FINAL

Workorder: Sydney Mine (T2415619)

QC Batch: MSVt/9648 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415619001, T2415619002, T2415619003, T2415619004, T2415619005, T2415619006, T2415619007, T2415619008, T2415619009, T2415619010, T2415619011

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,3-Dichlorobenzene	ug/L	20	20	101	80 - 119	21	103	2	20	T
1,4-Dichlorobenzene	ug/L	20	20	100	79 - 118	20	101	1	20	T
1,2-Dichlorobenzene	ug/L	20	21	103	80 - 119	21	105	2	20	T
p-Isopropyltoluene	ug/L	20	21	104	77 - 127	21	106	2	20	T
n-Butylbenzene	ug/L	20	21	107	75 - 128	22	111	3	20	T
1,2,4-Trichlorobenzene	ug/L	20	20	99	69 - 130	21	104	5	20	T
Naphthalene	ug/L	20	21	106	61 - 128	23	113	6	20	T
Hexachlorobutadiene	ug/L	20	20	100	66 - 134	21	104	4	20	T
1,2,3-Trichlorobenzene	ug/L	20	20	100	69 - 129	21	104	4	20	T
Xylene (Total)	ug/L	60	63	105	79 - 121	64	107	2	20	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	43	87	70 - 128	43	87	0		T
Bromofluorobenzene (S)	ug/L	50	53	106	86 - 123	52	104	2		T
Toluene-d8 (S)	ug/L	50	50	100	77 - 119	50	100	0		T

Matrix Spike (5397213); Original (T2415619007); Parent Lab Sample (T2415619007)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	ug/L	20	19	94	32 - 152	T
Chloromethane	ug/L	20	19	94	50 - 139	T
Vinyl Chloride	ug/L	20	19	94	10 - 150	T
Bromomethane	ug/L	20	21	104	10 - 150	T
Chloroethane	ug/L	20	19	96	60 - 138	T
Trichlorofluoromethane	ug/L	20	19	93	65 - 141	T
Acrolein (Propenal)	ug/L	100	120	119	39 - 155	T
Acetone	ug/L	20	19	95	39 - 160	T
1,1-Dichloroethylene	ug/L	20	19	95	71 - 131	T
Iodomethane (Methyl Iodide)	ug/L	20	18	92	10 - 150	T
Acrylonitrile	ug/L	20	21	107	63 - 135	T
Methylene Chloride	ug/L	20	21	103	74 - 124	T
Carbon Disulfide	ug/L	20	18	89	64 - 133	T
trans-1,2-Dichloroethylene	ug/L	20	20	101	75 - 124	T
Methyl tert-butyl Ether (MTBE)	ug/L	20	22	112	71 - 124	T

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FINAL

Workorder: Sydney Mine (T2415619)

QC Batch: MSVt/9648 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415619001, T2415619002, T2415619003, T2415619004, T2415619005, T2415619006, T2415619007, T2415619008, T2415619009, T2415619010, T2415619011

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,1-Dichloroethane	ug/L	20	21	104	77 - 125	T
Vinyl Acetate	ug/L	20	17	86	54 - 146	T
2-Butanone (MEK)	ug/L	20	21	107	56 - 143	T
cis-1,2-Dichloroethylene	ug/L	20	21	106	78 - 123	T
Bromochloromethane	ug/L	20	22	109	78 - 123	T
Chloroform	ug/L	20	21	107	79 - 124	T
2,2-Dichloropropane	ug/L	20	19	97	10 - 150	T
1,2-Dichloroethane	ug/L	20	20	100	73 - 128	T
1,1,1-Trichloroethane	ug/L	20	21	103	74 - 131	T
1,1-Dichloropropene	ug/L	20	22	109	79 - 125	T
Carbon Tetrachloride	ug/L	20	19	93	72 - 136	T
Benzene	ug/L	20	22	112	79 - 120	T
Dibromomethane	ug/L	20	22	110	79 - 123	T
1,2-Dichloropropane	ug/L	20	23	115	78 - 122	T
Trichloroethene	ug/L	20	22	109	79 - 123	T
Bromodichloromethane	ug/L	20	21	104	79 - 125	T
2-Chloroethyl Vinyl Ether	ug/L	20	19	95	10 - 150	T
cis-1,3-Dichloropropene	ug/L	20	22	110	75 - 124	T
4-Methyl-2-pentanone (MIBK)	ug/L	20	24	121	67 - 130	T
trans-1,3-Dichloropropylene	ug/L	20	21	107	73 - 127	T
1,1,2-Trichloroethane	ug/L	20	23	115	80 - 119	T
Toluene	ug/L	20	22	109	80 - 121	T
1,3-Dichloropropane	ug/L	20	22	110	80 - 119	T
2-Hexanone	ug/L	20	23	114	57 - 139	T
Dibromochloromethane	ug/L	20	20	101	74 - 126	T
Tetrachloroethylene (PCE)	ug/L	20	20	98	74 - 129	T
1,1,1,2-Tetrachloroethane	ug/L	20	20	99	78 - 124	T
Chlorobenzene	ug/L	20	21	103	82 - 118	T
Ethylbenzene	ug/L	20	22	110	79 - 121	T
Bromoform	ug/L	20	19	94	66 - 130	T
Styrene	ug/L	20	22	108	78 - 123	T
1,1,2,2-Tetrachloroethane	ug/L	20	22	112	71 - 121	T
Isopropylbenzene	ug/L	20	21	107	72 - 131	T
Bromobenzene	ug/L	20	22	108	80 - 120	T

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Workorder: Sydney Mine (T2415619)

QC Batch: MSVt/9648 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: T2415619001, T2415619002, T2415619003, T2415619004, T2415619005, T2415619006, T2415619007, T2415619008, T2415619009, T2415619010, T2415619011

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
n-propylbenzene	ug/L	20	22	110	76 - 126	T
2-Chlorotoluene	ug/L	20	22	109	79 - 122	T
4-Chlorotoluene	ug/L	20	22	108	78 - 122	T
1,3,5-Trimethylbenzene	ug/L	20	21	107	75 - 124	T
tert-butylbenzene	ug/L	20	21	107	78 - 124	T
1,2,4-Trimethylbenzene	ug/L	20	22	110	76 - 124	T
sec-butylbenzene	ug/L	20	22	109	77 - 126	T
1,3-Dichlorobenzene	ug/L	20	21	104	80 - 119	T
1,4-Dichlorobenzene	ug/L	20	21	104	79 - 118	T
1,2-Dichlorobenzene	ug/L	20	21	107	80 - 119	T
p-Isopropyltoluene	ug/L	20	22	108	77 - 127	T
n-Butylbenzene	ug/L	20	22	111	75 - 128	T
1,2,4-Trichlorobenzene	ug/L	20	21	106	69 - 130	T
Naphthalene	ug/L	20	23	116	61 - 128	T
Hexachlorobutadiene	ug/L	20	21	104	66 - 134	T
1,2,3-Trichlorobenzene	ug/L	20	22	109	69 - 129	T
Xylene (Total)	ug/L	60	66	110	79 - 121	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	44	87	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	52	104	86 - 123	T
Toluene-d8 (S)	ug/L	50	50	100	77 - 119	T





FINAL

Workorder: Sydney Mine (T2415619)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MSVt/9646 - SW-846 8260D (SIM)			
T2415619001	FIELD BLANK	MSVt/9645	SW-846 5030B
T2415619002	TRIP BLANK	MSVt/9645	SW-846 5030B
T2415619003	BV-15	MSVt/9645	SW-846 5030B
T2415619004	BV-16	MSVt/9645	SW-846 5030B
T2415619005	BV-7	MSVt/9645	SW-846 5030B
T2415619006	BV-17	MSVt/9645	SW-846 5030B
T2415619007	BV-22	MSVt/9645	SW-846 5030B
T2415619008	BV-21R	MSVt/9645	SW-846 5030B
T2415619009	BV-23	MSVt/9645	SW-846 5030B
T2415619010	BV-26	MSVt/9645	SW-846 5030B
T2415619011	BV-20	MSVt/9645	SW-846 5030B
MSVt/9648 - SW-846 8260D			
T2415619001	FIELD BLANK	MSVt/9647	SW-846 5030B
T2415619002	TRIP BLANK	MSVt/9647	SW-846 5030B
T2415619003	BV-15	MSVt/9647	SW-846 5030B
T2415619004	BV-16	MSVt/9647	SW-846 5030B
T2415619005	BV-7	MSVt/9647	SW-846 5030B
T2415619006	BV-17	MSVt/9647	SW-846 5030B
T2415619007	BV-22	MSVt/9647	SW-846 5030B
T2415619008	BV-21R	MSVt/9647	SW-846 5030B
T2415619009	BV-23	MSVt/9647	SW-846 5030B
T2415619010	BV-26	MSVt/9647	SW-846 5030B
T2415619011	BV-20	MSVt/9647	SW-846 5030B

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☐ **Fort Myers:** 13100 Westlakes Terrace, Ste. 10, FL 33913 • 239.674.8130 • Lab ID: E84492
☐ **Jacksonville:** 6681 Southpoint Pkwy., FL 32216 • 904.363.9350 • Lab ID: E82574
☐ **Tallahassee:** 2639 North Monroe St., Suite D, FL 32303 • 850.219.6274 • Lab ID: E81095

- ☐ **Gainesville:** 4965 SW 41st Blvd., FL 32608 • 352.377.2349 • Lab ID: E82001
☐ **Miramar:** 10200 USA Today Way, FL 33025 • 954.889.2288 • Lab ID: E82535
☒ **Tampa:** 9610 Princess Palm Ave., FL 33619 • 813.630.9616 • Lab ID: E84599

Client Name: Hils. Co. Public Utilities		Project Name: Sydney Mine Superfund Site					
Address: 332 North Falkenburg Rd		Project Number: N/A					
Tampa, Florida 33619		PO Number: N/A					
Phone: (813) 663-3222		FDEP Facility No:					
FAX: (813) 274-6801		FDEP Facility Addr:					
Contact: Michael Townsel		Dover, FL					
Sampled By: JD AM MM		Special Instructions:					
Turn Around Time: Rush							
AEL Profile #:							
SAMPLE ID	SAMPLE DESCRIPTION	ADAPT		EQUIS		Other	
		Grab Comp	SAMPLING DATE	TIME	MATRIX	NO. COUNT	
	Field Blank	G	7/30/2019	729	D1	3	
	Trip Blank	-	-	-	D1	3	
	BV-15	G	7/30/2019	726	GW	3	
	BV-16	G	7/30/2019	817	GW	3	
	BV-7	G	7/30/2019	945	GW	3	
	BV-17	G	7/30/2019	1240	GW	3	
	BV-22	G	7/30/2019	728	GW	3	
	BV-21R	G	7/30/2019	943	GW	3	
	BV-23	G	7/30/2019	1230	GW	3	
	BV-26	G	7/30/2019	1128	GW	3	

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge

Received on Ice ☐ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked

DCN: AD-D051web Form last revised 08/07/2019

ANALYSIS REQUIRED		BOTTLE SIZE & TYPE		EPA Method 8260 & 8260 SIM		LABORATORY I.D. NUMBER	
Preservation	Field-Filtered?						
				X		001	
				X		002	
				X		003	
				X		004	
				X		005	
				X		006	
				X		007	
				X		008	
				X		009	
				X		010	

*** T 2 4 1 5 6 1 9 ***

Preservation Code: I = ice H=(HCl) S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)

Temp. when received (observed) _____ °C Temp. when received (corrected) _____ °C

J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V F: 1A

FOR DRINKING WATER USE:

(When PWS Information not otherwise supplied) PWS ID: _____

Contact Person: _____

Supplier of Water: _____

Site-Address: _____

Relinquished by:	Date	Time	Received by:	Date	Time



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— **Altamonte Springs:** 380 Northlake Blvd Ste 1048 FL 32701 • 407.937.1594 • Lab ID: E53076

East Movers: 13100 Westlinks Terrace Ste. 10, FL 33913 • 239.674.8130 • Lab ID: E84492

East Movers: 13100 Westlinks Terrace Ste. 10, FL 33913 • 239.674.8130 • Lab ID: E84492

[illegible][illegible]

☐ Tella b e c c o : 2620 North Monroe St Suite D El 32303 • 850.219.6274 • Lab ID: E811095

☐ Tella b e c c o : 2620 North Monroe St Suite D El 32303 • 850.219.6274 • Lab ID: E811095

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☐ Gainesville • 10655 SW 41st Blvd. FL 32608 • 352.377.2349 • Lab ID: E82001

Reference: 102001ISA Today Way Et 33025 • 954 889 2288 • Lab ID: E82535

Address: 0610 Princess Palm Ave. Ft. 33619 • 813.630.9616 • Lab ID: E84589

[illegible]

DEP-SOP-001/01
FS 2200 Groundwater Sampling

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: BV - 22	SAMPLE ID: BV - 22	DATE: 7/8/24	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 41.98 feet to 51.98 feet	STATIC DEPTH TO WATER (feet): 21.75	PURGE PUMP TYPE OR BAILER: BP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (51.98 feet - 21.75 feet) X 0.16 gallons/foot = 4.84 gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 50.98	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 50.98	PURGING INITIATED AT: 659	PURGING ENDED AT: 728	TOTAL VOLUME PURGED (gallons): 7.54

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
718	4.94	4.94	0.26	26.41	6.65	24.1	189.2	1.68 / 19.8	1.45	Clear	None
723	1.30	6.24	0.26	26.41	6.62	24.0	187.0	1.65 / 19.7	4.17	Clear	None
728	1.30	7.54	0.26	26.41	6.63	23.9	185.1	1.64 / 19.7	3.02	Clear	None

M. M
7/8/24

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: M. Moles		SAMPLER(S) SIGNATURE(S): M. Moles		SAMPLING INITIATED AT: 728	SAMPLING ENDED AT: 733
PUMP OR TUBING DEPTH IN WELL (feet): 50.98		TUBING MATERIAL CODE: T	FIELD-FILTERED: Y ☒ N ☐	FILTER SIZE: _____ μm	
FIELD DECONTAMINATION: PUMP Y ☐ N ☒ Dedicated		TUBING Y ☐ N ☒ Dedicated	DUPLICATE: Y ☐ N ☒		

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
							VOC		400
SEE C.O.C. FOR SAMPLE ANALYSIS									

ORP: 718 (37.4) 723 (32.7) 728 (33.3)

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

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

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

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

GROUNDWATER SAMPLING LOG

PURGING DATA

SAMPLING DATA

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

DEP-SOP-001/01
FS 2200 Groundwater Sampling

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: BV - 23	SAMPLE ID: BV - 23	DATE: 7/8/24	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 51.65 feet to 61.65 feet	STATIC DEPTH TO WATER (feet): 38.05	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (61.65 feet - 38.05 feet) X 0.16 gallons/foot = 3.78 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 60.65	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 60.65	PURGING INITIATED AT: 1200	PURGING ENDED AT: 1236	TOTAL VOLUME PURGED (gallons): 5.76							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μ mhos/cm or μ S/cm	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1224	3.84	3.84	0.16	38.28	6.98	28.0	741	4.33 / 55.4	5.28	Clear	None
1230	0.96	4.80	0.16	38.28	6.94	27.5	735	4.37 / 55.5	5.02	Clear	None
1236	0.96	5.76	0.16	38.28	6.92	27.5	720	4.30 / 54.1	4.64	Clear	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: M. Morales				SAMPLER(S) SIGNATURE(S): M. Morales				SAMPLING INITIATED AT: 1236		SAMPLING ENDED AT: 1241	
PUMP OR TUBING DEPTH IN WELL (feet): 60.65				TUBING MATERIAL CODE: T		FIELD-FILTERED: Y (N)		FILTER SIZE: _____ μ m			
FIELD DECONTAMINATION: PUMP Y N Dedicated				TUBING Y N Dedicated		DUPLICATE: Y (N)					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
							Voc				400
SEE C.O.C. FOR SAMPLE ANALYSIS											
ORP: 1224 (-24.2) 1230 (-20.2) 1236 (-17.3)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: BV - 26	SAMPLE ID: BV - 26	DATE: 7/8/24	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 50.22 feet to 60.22 feet	STATIC DEPTH TO WATER (feet): 21.37	PURGE PUMP TYPE OR BAILER: BP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (60.22 feet - 21.37 feet) X 0.16 gallons/foot = 6.22 gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 59.22		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 59.22		PURGING INITIATED AT: 1000
				PURGING ENDED AT: 1128
				TOTAL VOLUME PURGED (gallons): 35.20

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μ mhos/cm or μ S/cm	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1016	6.4	6.4	0.40	30.31	6.06	24.5	483.4	1.11 / 13.4	137	Cloudy	None
1032	6.4	12.8	0.40	32.05	6.07	24.4	476.1	1.09 / 13.1	122	Cloudy	None
1048	6.4	19.2	0.40	33.11	6.07	24.5	481.1	1.11 / 13.3	95.1	Cloudy	None
1104	6.4	25.6	0.40	34.03	6.07	24.4	485.4	0.94 / 11.2	30.8	Cloudy	None
1120	6.4	32.0	0.40	34.03	6.04	24.4	486.7	0.89 / 10.7	16.0	Clear	None
1124	1.60	33.60	0.40	34.03	6.05	24.5	484.9	0.94 / 11.2	16.2	Clear	None
1128	1.60	35.20	0.40	34.03	6.04	24.5	487.3	0.94 / 11.3	16.6	Clear	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: M. Morales		SAMPLER(S) SIGNATURE(S): M. Morales		SAMPLING INITIATED AT: 1128	SAMPLING ENDED AT: 1133
PUMP OR TUBING DEPTH IN WELL (feet): 59.22		TUBING MATERIAL CODE: T	FIELD-FILTERED: Y ☒ N	FILTER SIZE: _____ μ m	
FIELD DECONTAMINATION: PUMP Y N ☒ Dedicated		TUBING Y N ☒ Dedicated	DUPLICATE: Y ☒ N		

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
							VOC		400
SEE C.O.C. FOR SAMPLE ANALYSIS									

ORP: 1016 (-6.1) 1032 (-4.0) 1048 (-4.5) 1104 (-3.6) 1120 (-2.2) 1124 (-2.3) 1128 (-2.3)

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

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

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

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

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

DEP-SOP-001/01
FS 2200 Groundwater Sampling

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: BV - 20	SAMPLE ID: BV - 20	DATE: 7/8/24	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 51.36 feet to 61.36 feet	STATIC DEPTH TO WATER (feet): 34.80	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (61.36 feet - 34.80 feet) X 0.16 gallons/foot = 4.25 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 60.36	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 60.36	PURGING INITIATED AT: 1254	PURGING ENDED AT: 1321	TOTAL VOLUME PURGED (gallons): 6.75							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1311	4.25	4.25	0.25	38.58	5.59	24.5	150.2	0.57 / 6.9	15.5	Clear	None
1316	1.25	5.50	0.25	38.58	5.59	24.4	149.3	0.46 / 5.5	11.8	Clear	None
1321	1.25	6.75	0.25	38.58	5.59	24.4	149.9	0.40 / 4.8	10.9		
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: M. Mosley				SAMPLER(S) SIGNATURE(S): M. Mosley				SAMPLING INITIATED AT: 1321		SAMPLING ENDED AT: 1326	
PUMP OR TUBING DEPTH IN WELL (feet): 60.36				TUBING MATERIAL CODE: T		FIELD-FILTERED: Y (N)		FILTER SIZE: _____ μm			
FIELD DECONTAMINATION: PUMP Y N Dedicated				TUBING Y N Dedicated		DUPLICATE: Y (N)					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		Voc		400	
SEE C.O.C. FOR SAMPLE ANALYSIS											
ORP: 1311 (93.1) 1316 (89.5) 1321 (87.0)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

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

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

DEP-SOP-001/01
FS 2200 Groundwater Sampling

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Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: BV-17	SAMPLE ID: BV-17 24060186-13	DATE: 7/8/2024	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 59.11 feet to 69.11 feet	STATIC DEPTH TO WATER (feet): 25.71	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (69.11 feet - 25.71 feet) X 0.16 gallons/foot = 6.95 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 68.11	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 68.11	PURGING INITIATED AT: 1001	PURGING ENDED AT: 1240	TOTAL VOLUME PURGED (gallons): 36.57							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1032	7.13	7.13	0.23	26.36	5.86	24.3	336.6	0.14 / 1.7	167	Cloudy	None
1103	7.13	14.26	0.23	26.36	6.15	24.3	394.2	0.22 / 2.6	128	Cloudy	None
1134	7.13	21.39	0.23	26.36	6.34	24.3	421.3	0.16 / 1.9	109	Cloudy	None
1205	7.13	28.52	0.23	26.36	6.23	24.3	435.7	0.12 / 1.5	95.9	Cloudy	None
1236	7.13	35.65	0.23	26.36	6.24	24.3	443.3	0.11 / 1.3	94.2	Cloudy	None
1238	0.46	36.11	0.23	26.36	6.23	24.2	443.1	0.11 / 1.3	92.7	↓	↓
1240	0.46	36.57	0.23	26.36	6.22	24.2	441.9	0.13 / 1.5	96.2	↓	↓
JD 7/8/2024											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JD AM				SAMPLER(S) SIGNATURE(S): <i>Julie Hall / J. McCreary</i>				SAMPLING INITIATED AT: 1240		SAMPLING ENDED AT: 1245	
PUMP OR TUBING DEPTH IN WELL (feet): 68.11				TUBING MATERIAL CODE: T		FIELD-FILTERED: Y (N)		FILTER SIZE: _____ μm			
FIELD DECONTAMINATION: PUMP Y N (Dedicated)				TUBING Y N (Dedicated)		DUPLICATE: Y (N)					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
							VOC				400
							ORP:				
							1238 (-61.3)				
							1240 (-61.8)				
SEE C.O.C. FOR SAMPLE ANALYSIS											
ORP: 1032 (-12.5) 1103 (-41.4) 1134 (-50.5) 1205 (-58.4) 1236 (-61.5)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

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

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

DEP-SOP-001/01
FS 2200 Groundwater Sampling

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Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: BV-7	SAMPLE ID: BV-724060186-06	DATE: 7/8/2024	

PURGING DATA

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 43.55 feet to 53.55 feet	STATIC DEPTH TO WATER (feet): 33.58	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (53.55 feet - 33.58 feet) X 0.65 gallons/foot = 12.99 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 52.55	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 52.55	PURGING INITIATED AT: 827	PURGING ENDED AT: 945	TOTAL VOLUME PURGED (gallons): 19.50							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μ mhos/cm or μ S/cm	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
919	13	13	0.25	35.39	5.34	24.8	166.3	0.15 / 1.9	1.36	clear	None
932	3.25	16.25	0.25	35.39	5.37	24.7	167.8	0.17 / 2.1	1.78	↓	↓
945	3.25	19.50	0.25	35.39	5.37	24.8	166.9	0.14 / 1.6	1.24	↓	↓
JD 7/8/2024											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JD/AM				SAMPLER(S) SIGNATURE(S): <i>Grubbs/Am Miller</i>				SAMPLING INITIATED AT: 945		SAMPLING ENDED AT: 948	
PUMP OR TUBING DEPTH IN WELL (feet): 52.55				TUBING MATERIAL CODE: T		FIELD-FILTERED: Y (N) FILTER SIZE: ____ μ m				Filtration Equipment Type:	
FIELD DECONTAMINATION: PUMP Y N Dedicated				TUBING Y N Dedicated		DUPLICATE: Y (N)					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	VOC				SAMPLE PUMP FLOW RATE (mL per minute)
											400
SEE C.O.C. FOR SAMPLE ANALYSIS											
ORP: 919 (49.9) 932 (50.3) 945 (47.0)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: BV - 16	SAMPLE ID: BV - 16 24060186-12	DATE: 7/8/2024	

PURGING DATA

WELL DIAMETER (inches): 2		TUBING DIAMETER (inches): 1/2		WELL SCREEN INTERVAL DEPTH: 61.51 feet to 71.51 feet		STATIC DEPTH TO WATER (feet): 21.73		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (71.51 feet - 21.73 feet) X 0.16 gallons/foot = 7.97 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 70.51		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 70.51		PURGING INITIATED AT: 736		PURGING ENDED AT: 817		TOTAL VOLUME PURGED (gallons): 12.30			
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
803	8.10	8.10	0.30	22.44	6.55	24.5	611	0.12 / 1.4	4.57	clear	none
810	2.10	10.20	0.30	22.44	6.56	24.5	610	0.10 / 1.2	5.18	↓	↓
817	2.10	12.30	0.30	22.44	6.58	24.5	609	0.09 / 1.1	5.25	↓	↓
JD 7/8/2024											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JD AM				SAMPLER(S) SIGNATURE(S): <i>JD AM</i>				SAMPLING INITIATED AT: 817		SAMPLING ENDED AT: 820	
PUMP OR TUBING DEPTH IN WELL (feet): 70.51				TUBING MATERIAL CODE: T		FIELD-FILTERED: Y (N) FILTER SIZE: _____ μm				Filtration Equipment Type:	
FIELD DECONTAMINATION: PUMP Y N (Dedicated)				TUBING Y N (Dedicated)		DUPLICATE: Y (N)					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	VOC				
SEE C.O.C. FOR SAMPLE ANALYSIS											
ORP: 803(-94.5) 810(-96.3) 817(-97.2)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

DEP-SOP-001/01
FS 2200 Groundwater Sampling

Revision Date: February 2009 Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: FIELD BLANK	SAMPLE ID: FIELD BLANK 24060186-33	DATE: 7/8/2024	

PURGING DATA

WELL DIAMETER (inches): N/A		TUBING DIAMETER (inches): N/A		WELL SCREEN INTERVAL DEPTH: -- feet to -- feet		STATIC DEPTH TO WATER (feet): N/A		PURGE PUMP TYPE OR BAILER: N/A			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (N/A feet - N/A feet) X N/A gallons/foot = N/A gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): N/A		FINAL PUMP OR TUBING DEPTH IN WELL (feet): N/A		PURGING INITIATED AT: N/A		PURGING ENDED AT: N/A		TOTAL VOLUME PURGED (gallons): N/A			
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μ mhos/cm or μ S/cm	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
Field Blank JD 7/8/2024											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JD / AM				SAMPLER(S) SIGNATURE(S): <i>JD / AM</i>				SAMPLING INITIATED AT: 729		SAMPLING ENDED AT: 732	
PUMP OR TUBING DEPTH IN WELL (feet): N/A				TUBING MATERIAL CODE: N/A				FIELD-FILTERED: Y ☒ N ☐		FILTER SIZE: ____ μ m	
FIELD DECONTAMINATION: PUMP Y ☒ N ☐ Dedicated				TUBING Y ☒ N ☐ Dedicated				DUPLICATE: Y ☒ N ☐			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					

SEE COC FOR ANALYSIS ← **ORP: N/A**

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

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

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

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

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

Revision Date: February 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sydney Mine Superfund Site		SITE LOCATION: Dover, FL	
WELL NO: BV-15	SAMPLE ID: BV-15 24060186-11	DATE: 7/8/2024	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 38.95 feet to 48.95 feet	STATIC DEPTH TO WATER (feet): 21.56	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (48.95 feet - 21.56 feet) X 0.16 gallons/foot = 4.39 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 47.95	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 47.95	PURGING INITIATED AT: 659	PURGING ENDED AT: 726	TOTAL VOLUME PURGED (gallons): 7.29							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
716	4.59	4.59	0.27	24.15	5.90	24.8	313.1	4.79 / 57.7	8.93	clear	none
721	1.35	5.94	0.27	24.15	5.93	24.8	324.3	4.70 / 56.0	11.20	↓	↓
726	1.35	7.29	0.27	24.15	5.92	24.7	322.1	4.72 / 56.7	7.57	✓	↓
JD 7/8/2024											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JD / AM				SAMPLER(S) SIGNATURE(S): <i>JD / AM</i>				SAMPLING INITIATED AT: 726		SAMPLING ENDED AT: 728	
PUMP OR TUBING DEPTH IN WELL (feet): 47.95				TUBING MATERIAL CODE: T		FIELD-FILTERED: Y (N) FILTER SIZE: _____ μm				Filtration Equipment Type:	
FIELD DECONTAMINATION: PUMP Y N Dedicated				TUBING Y N Dedicated		DUPLICATE: Y (N)					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
							VOC				400
SEE C.O.C. FOR SAMPLE ANALYSIS											
ORP: 716 (-9.8) 721 (-14.3) 726 (-12.9)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

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

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



July 24, 2024

Michael Cammarata
Advanced Environmental Laboratories - Tampa
9610 Princess Palm Ave
Tampa, FL 33619

RE: Project: T2416134
Pace Project No.: 35892631

Dear Michael Cammarata:

Enclosed are the analytical results for sample(s) received by the laboratory on July 17, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Ormond Beach

Upon arrival, sample IDs 24060186-37, 24060186-39, 24060186-40, 24060186-41 arrived broken.

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

Sincerely,

Mathew Cichon
mathew.cichon@pacelabs.com
(386) 672-5668
Project Manager

Enclosures

cc: Accounts Payable, Advanced Environmental Laboratories -
Tampa



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: T2416134
Pace Project No.: 35892631

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
California Certification# 3096
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
DoD-ANAB #:ADE-3199
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: T2416134
Pace Project No.: 35892631

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35892631001	24060186-01	Drinking Water	07/10/24 13:28	07/17/24 12:00
35892631002	24060186-02	Drinking Water	07/09/24 10:49	07/17/24 12:00
35892631003	24060186-03	Drinking Water	07/10/24 09:42	07/17/24 12:00
35892631004	24060186-04	Drinking Water	07/10/24 12:17	07/17/24 12:00
35892631005	24060186-05	Drinking Water	07/09/24 10:34	07/17/24 12:00
35892631006	24060186-06	Drinking Water	07/08/24 09:45	07/17/24 12:00
35892631007	24060186-07	Drinking Water	07/09/24 12:40	07/17/24 12:00
35892631008	24060186-08	Drinking Water	07/11/24 13:56	07/17/24 12:00
35892631009	24060186-09	Drinking Water	07/10/24 11:38	07/17/24 12:00
35892631010	24060186-10	Drinking Water	07/10/24 10:58	07/17/24 12:00
35892631011	24060186-11	Drinking Water	07/08/24 07:26	07/17/24 12:00
35892631012	24060186-12	Drinking Water	07/08/24 08:17	07/17/24 12:00
35892631013	24060186-13	Drinking Water	07/08/24 12:40	07/17/24 12:00
35892631014	24060186-14	Drinking Water	07/09/24 08:01	07/17/24 12:00
35892631015	24060186-15	Drinking Water	07/09/24 08:39	07/17/24 12:00
35892631016	24060186-16	Drinking Water	07/08/24 13:21	07/17/24 12:00
35892631017	24060186-17	Drinking Water	07/08/24 09:43	07/17/24 12:00
35892631018	24060186-18	Drinking Water	07/08/24 07:28	07/17/24 12:00
35892631019	24060186-19	Drinking Water	07/08/24 12:36	07/17/24 12:00
35892631020	24060186-21	Drinking Water	07/08/24 11:28	07/17/24 12:00
35892631021	24060186-22	Drinking Water	07/09/24 07:17	07/17/24 12:00
35892631022	24060186-23	Drinking Water	07/10/24 12:00	07/17/24 12:00
35892631023	24060186-24	Drinking Water	07/10/24 11:58	07/17/24 12:00
35892631024	24060186-25	Drinking Water	07/10/24 12:59	07/17/24 12:00
35892631025	24060186-26	Drinking Water	07/10/24 10:30	07/17/24 12:00
35892631026	24060186-27	Drinking Water	07/11/24 10:48	07/17/24 12:00
35892631027	24060186-28	Drinking Water	07/11/24 08:43	07/17/24 12:00
35892631028	24060186-29	Drinking Water	07/10/24 09:33	07/17/24 12:00
35892631029	24060186-30	Drinking Water	07/09/24 13:11	07/17/24 12:00
35892631030	24060186-31	Drinking Water	07/11/24 09:25	07/17/24 12:00
35892631031	24060186-32	Drinking Water	07/10/24 08:31	07/17/24 12:00
35892631032	24060186-33	Drinking Water	07/08/24 07:29	07/17/24 12:00
35892631033	24060186-34	Drinking Water	07/10/24 12:30	07/17/24 12:00
35892631034	24060186-35	Drinking Water	07/11/24 13:56	07/17/24 12:00
35892631035	24060186-36	Drinking Water	07/09/24 07:29	07/17/24 12:00

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SAMPLE ANALYTE COUNT

Project: T2416134

Pace Project No.: 35892631

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35892631001	24060186-01	EPA 522	BMH	2	PASI-O
35892631002	24060186-02	EPA 522	BMH	2	PASI-O
35892631003	24060186-03	EPA 522	BMH	2	PASI-O
35892631004	24060186-04	EPA 522	BMH	2	PASI-O
35892631005	24060186-05	EPA 522	BMH	2	PASI-O
35892631006	24060186-06	EPA 522	BMH	2	PASI-O
35892631007	24060186-07	EPA 522	BMH	2	PASI-O
35892631008	24060186-08	EPA 522	BMH	2	PASI-O
35892631009	24060186-09	EPA 522	BMH	2	PASI-O
35892631010	24060186-10	EPA 522	BMH	2	PASI-O
35892631011	24060186-11	EPA 522	BMH	2	PASI-O
35892631012	24060186-12	EPA 522	BMH	2	PASI-O
35892631013	24060186-13	EPA 522	BMH	2	PASI-O
35892631014	24060186-14	EPA 522	BMH	2	PASI-O
35892631015	24060186-15	EPA 522	BMH	2	PASI-O
35892631016	24060186-16	EPA 522	BMH	2	PASI-O
35892631017	24060186-17	EPA 522	BMH	2	PASI-O
35892631018	24060186-18	EPA 522	BMH	2	PASI-O
35892631019	24060186-19	EPA 522	BMH	2	PASI-O
35892631020	24060186-21	EPA 522	BMH	2	PASI-O
35892631021	24060186-22	EPA 522	BMH	2	PASI-O
35892631022	24060186-23	EPA 522	BMH	2	PASI-O
35892631023	24060186-24	EPA 522	BMH	2	PASI-O
35892631024	24060186-25	EPA 522	BMH	2	PASI-O
35892631025	24060186-26	EPA 522	BMH	2	PASI-O
35892631026	24060186-27	EPA 522	BMH	2	PASI-O
35892631027	24060186-28	EPA 522	BMH	2	PASI-O
35892631028	24060186-29	EPA 522	BMH	2	PASI-O
35892631029	24060186-30	EPA 522	BMH	2	PASI-O
35892631030	24060186-31	EPA 522	BMH	2	PASI-O
35892631031	24060186-32	EPA 522	BMH	2	PASI-O
35892631032	24060186-33	EPA 522	BMH	2	PASI-O
35892631033	24060186-34	EPA 522	BMH	2	PASI-O
35892631034	24060186-35	EPA 522	BMH	2	PASI-O
35892631035	24060186-36	EPA 522	BMH	2	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-01 Lab ID: 35892631001 Collected: 07/10/24 13:28 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	136	ug/L	2.0	1.2	10	07/18/24 08:54	07/20/24 11:31	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	73	%	70-130		10	07/18/24 08:54	07/20/24 11:31		

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-02 Lab ID: 35892631002 Collected: 07/09/24 10:49 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	171	ug/L	2.0	1.2	10	07/18/24 08:54	07/20/24 12:05	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	107	%	70-130		1	07/18/24 08:54	07/19/24 12:24		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T2416134
Pace Project No.: 35892631

Sample: 24060186-03 Lab ID: 35892631003 Collected: 07/10/24 09:42 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane	Analytical Method: EPA 522 Preparation Method: EPA 522 Pace Analytical Services - Ormond Beach								
1,4-Dioxane (p-Dioxane)	55.2	ug/L	0.99	0.59	5	07/18/24 08:54	07/20/24 12:22	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	99	%	70-130		5	07/18/24 08:54	07/20/24 12:22		

REPORT OF LABORATORY ANALYSIS



ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-04 Lab ID: 35892631004 Collected: 07/10/24 12:17 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	32.6	ug/L	0.20	0.12	1	07/18/24 08:54	07/19/24 12:58	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	113	%	70-130		1	07/18/24 08:54	07/19/24 12:58		

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-05 Lab ID: 35892631005 Collected: 07/09/24 10:34 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	168	ug/L	2.0	1.2	10	07/18/24 08:54	07/20/24 12:38	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	80	%	70-130		10	07/18/24 08:54	07/20/24 12:38		

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-06 Lab ID: 35892631006 Collected: 07/08/24 09:45 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	72.0	ug/L	0.98	0.59	5	07/18/24 08:54	07/20/24 13:12	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	94	%	70-130		5	07/18/24 08:54	07/20/24 13:12		

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-07 Lab ID: 35892631007 Collected: 07/09/24 12:40 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	249	ug/L	4.0	2.4	20	07/18/24 08:54	07/20/24 13:29	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	87	%	70-130		20	07/18/24 08:54	07/20/24 13:29		

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-08 Lab ID: 35892631008 Collected: 07/11/24 13:56 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	102	ug/L	2.0	1.2	10	07/18/24 08:54	07/20/24 13:45	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	83	%	70-130		10	07/18/24 08:54	07/20/24 13:45		

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ANALYTICAL RESULTS

Project: T2416134
Pace Project No.: 35892631

Sample: 24060186-09 Lab ID: 35892631009 Collected: 07/10/24 11:38 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	64.8	ug/L	0.99	0.60	5	07/18/24 08:54	07/20/24 14:19	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	89	%	70-130		5	07/18/24 08:54	07/20/24 14:19		

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-10 Lab ID: 35892631010 Collected: 07/10/24 10:58 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	237	ug/L	4.0	2.4	20	07/18/24 08:54	07/20/24 14:35	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	81	%	70-130		20	07/18/24 08:54	07/20/24 14:35		

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-11 Lab ID: 35892631011 Collected: 07/08/24 07:26 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	126	ug/L	2.0	1.2	10	07/18/24 08:54	07/20/24 14:52	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	78	%	70-130		10	07/18/24 08:54	07/20/24 14:52		

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-12 Lab ID: 35892631012 Collected: 07/08/24 08:17 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	190	ug/L	4.0	2.4	20	07/18/24 08:54	07/20/24 15:09	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	78	%	70-130		20	07/18/24 08:54	07/20/24 15:09		

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-13 Lab ID: 35892631013 Collected: 07/08/24 12:40 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	101	ug/L	2.0	1.2	10	07/18/24 17:28	07/20/24 15:25	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	74	%	70-130		10	07/18/24 17:28	07/20/24 15:25		

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-14 Lab ID: 35892631014 Collected: 07/09/24 08:01 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	52.6	ug/L	0.40	0.24	2	07/18/24 17:28	07/20/24 15:42	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	117	%	70-130		2	07/18/24 17:28	07/20/24 15:42		

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-15 Lab ID: 35892631015 Collected: 07/09/24 08:39 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	30.0	ug/L	0.20	0.12	1	07/18/24 17:28	07/19/24 12:45	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	119	%	70-130		1	07/18/24 17:28	07/19/24 12:45		

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-16 Lab ID: 35892631016 Collected: 07/08/24 13:21 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	38.2	ug/L	0.20	0.12	1	07/18/24 17:28	07/19/24 13:02	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	115	%	70-130		1	07/18/24 17:28	07/19/24 13:02		

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ANALYTICAL RESULTS

Project: T2416134
Pace Project No.: 35892631

Sample: 24060186-17 Lab ID: 35892631017 Collected: 07/08/24 09:43 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	212	ug/L	4.0	2.4	20	07/18/24 17:28	07/20/24 15:59	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	97	%	70-130		20	07/18/24 17:28	07/20/24 15:59		

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-18 Lab ID: 35892631018 Collected: 07/08/24 07:28 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	0.29	ug/L	0.20	0.12	1	07/18/24 17:28	07/19/24 13:36	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	113	%	70-130		1	07/18/24 17:28	07/19/24 13:36		

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-19 Lab ID: 35892631019 Collected: 07/08/24 12:36 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	5.8	ug/L	0.20	0.12	1	07/18/24 17:28	07/19/24 13:53	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	118	%	70-130		1	07/18/24 17:28	07/19/24 13:53		

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-21 Lab ID: 35892631020 Collected: 07/08/24 11:28 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	0.28	ug/L	0.20	0.12	1	07/18/24 17:28	07/19/24 14:10	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	118	%	70-130		1	07/18/24 17:28	07/19/24 14:10		

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-22 Lab ID: 35892631021 Collected: 07/09/24 07:17 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	64.4	ug/L	1.0	0.61	5	07/18/24 17:28	07/20/24 16:15	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	98	%	70-130		5	07/18/24 17:28	07/20/24 16:15		

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-23 Lab ID: 35892631022 Collected: 07/10/24 12:00 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	0.48	ug/L	0.20	0.12	1	07/18/24 17:28	07/19/24 14:44	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	118	%	70-130		1	07/18/24 17:28	07/19/24 14:44		

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-24 Lab ID: 35892631023 Collected: 07/10/24 11:58 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	0.12 U	ug/L	0.20	0.12	1	07/18/24 17:28	07/19/24 15:18	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	111	%	70-130		1	07/18/24 17:28	07/19/24 15:18		

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ANALYTICAL RESULTS

Project: T2416134
Pace Project No.: 35892631

Sample: 24060186-25		Lab ID: 35892631024		Collected: 07/10/24 12:59		Received: 07/17/24 12:00		Matrix: Drinking Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	130	ug/L	2.0	1.2	10	07/18/24 17:28	07/20/24 16:32	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	101	%	70-130		10	07/18/24 17:28	07/20/24 16:32		

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-26 Lab ID: 35892631025 Collected: 07/10/24 10:30 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	7.2	ug/L	0.21	0.12	1	07/18/24 17:28	07/19/24 15:52	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	113	%	70-130		1	07/18/24 17:28	07/19/24 15:52		

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-27 Lab ID: 35892631026 Collected: 07/11/24 10:48 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	73.9	ug/L	1.0	0.61	5	07/18/24 17:28	07/20/24 16:49	123-91-1	J(M1)
Surrogates									
1,4-Dioxane-d8 (S)	96	%	70-130		5	07/18/24 17:28	07/20/24 16:49		

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ANALYTICAL RESULTS

Project: T2416134
Pace Project No.: 35892631

Sample: 24060186-28 Lab ID: 35892631027 Collected: 07/11/24 08:43 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane	Analytical Method: EPA 522 Preparation Method: EPA 522 Pace Analytical Services - Ormond Beach								
1,4-Dioxane (p-Dioxane)	0.13 I	ug/L	0.20	0.12	1	07/18/24 17:28	07/19/24 16:59	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	127	%	70-130		1	07/18/24 17:28	07/19/24 16:59		

REPORT OF LABORATORY ANALYSIS



ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-29 Lab ID: 35892631028 Collected: 07/10/24 09:33 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	0.18 I	ug/L	0.20	0.12	1	07/18/24 17:28	07/19/24 17:16	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	119	%	70-130		1	07/18/24 17:28	07/19/24 17:16		

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-30 Lab ID: 35892631029 Collected: 07/09/24 13:11 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	40.2	ug/L	0.40	0.24	2	07/18/24 17:28	07/20/24 17:39	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	114	%	70-130		2	07/18/24 17:28	07/20/24 17:39		

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-31 Lab ID: 35892631030 Collected: 07/11/24 09:25 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	21.0	ug/L	0.20	0.12	1	07/18/24 17:28	07/19/24 17:50	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	122	%	70-130		1	07/18/24 17:28	07/19/24 17:50		

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-32 Lab ID: 35892631031 Collected: 07/10/24 08:31 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	74.6	ug/L	1.0	0.60	5	07/18/24 17:28	07/20/24 17:56	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	93	%	70-130		5	07/18/24 17:28	07/20/24 17:56		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-33 Lab ID: 35892631032 Collected: 07/08/24 07:29 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	0.12 U	ug/L	0.20	0.12	1	07/19/24 17:12	07/20/24 12:28	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	111	%	70-130		1	07/19/24 17:12	07/20/24 12:28		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-34 Lab ID: 35892631033 Collected: 07/10/24 12:30 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	0.12 U	ug/L	0.20	0.12	1	07/19/24 17:12	07/20/24 13:02	123-91-1	Y
Surrogates									
1,4-Dioxane-d8 (S)	119	%	70-130		1	07/19/24 17:12	07/20/24 13:02		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-35 Lab ID: 35892631034 Collected: 07/11/24 13:56 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	98.7	ug/L	1.0	0.60	5	07/19/24 17:12	07/23/24 10:33	123-91-1	P1
Surrogates									
1,4-Dioxane-d8 (S)	85	%	70-130		5	07/19/24 17:12	07/23/24 10:33		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T2416134

Pace Project No.: 35892631

Sample: 24060186-36 Lab ID: 35892631035 Collected: 07/09/24 07:29 Received: 07/17/24 12:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Ormond Beach									
1,4-Dioxane (p-Dioxane)	276	ug/L	4.0	2.4	20	07/19/24 17:12	07/23/24 10:50	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	95	%	70-130		20	07/19/24 17:12	07/23/24 10:50		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: T2416134
Pace Project No.: 35892631

QC Batch:	1027144	Analysis Method:	EPA 522
QC Batch Method:	EPA 522	Analysis Description:	522 MSS 1,4 Dioxane
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	35892631001, 35892631002, 35892631003, 35892631004, 35892631005, 35892631006, 35892631007, 35892631008, 35892631009, 35892631010, 35892631011, 35892631012		

METHOD BLANK: 5646016 Matrix: Water
Associated Lab Samples: 35892631001, 35892631002, 35892631003, 35892631004, 35892631005, 35892631006, 35892631007, 35892631008, 35892631009, 35892631010, 35892631011, 35892631012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.12 U	0.20	0.12	07/19/24 09:02	
1,4-Dioxane-d8 (S)	%	123	70-130		07/19/24 09:02	

LABORATORY CONTROL SAMPLE: 5646017

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	20	24.0	120	70-130	
1,4-Dioxane-d8 (S)	%			130	70-130	

LABORATORY CONTROL SAMPLE: 5646018

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.2	0.26	132	50-150	
1,4-Dioxane-d8 (S)	%			112	70-130	

MATRIX SPIKE SAMPLE: 5646084

Parameter	Units	35892631001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	136	19.7	159	117	70-130	
1,4-Dioxane-d8 (S)	%				79	70-130	

SAMPLE DUPLICATE: 5646085

Parameter	Units	35892631005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	168	173	3	20	
1,4-Dioxane-d8 (S)	%	80	87			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: T2416134
Pace Project No.: 35892631

QC Batch:	1027376	Analysis Method:	EPA 522
QC Batch Method:	EPA 522	Analysis Description:	522 MSS 1,4 Dioxane
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	35892631013, 35892631014, 35892631015, 35892631016, 35892631017, 35892631018, 35892631019, 35892631020, 35892631021, 35892631022, 35892631023, 35892631024, 35892631025, 35892631026, 35892631027, 35892631028, 35892631029, 35892631030, 35892631031		

METHOD BLANK:	5647050	Matrix:	Water
Associated Lab Samples:	35892631013, 35892631014, 35892631015, 35892631016, 35892631017, 35892631018, 35892631019, 35892631020, 35892631021, 35892631022, 35892631023, 35892631024, 35892631025, 35892631026, 35892631027, 35892631028, 35892631029, 35892631030, 35892631031		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.12 U	0.20	0.12	07/19/24 11:19	
1,4-Dioxane-d8 (S)	%	121	70-130		07/19/24 11:19	

LABORATORY CONTROL SAMPLE:	5647186					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	2	2.5	125	70-130	
1,4-Dioxane-d8 (S)	%			123	70-130	

LABORATORY CONTROL SAMPLE:	5647187					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.2	0.28	138	50-150	
1,4-Dioxane-d8 (S)	%			115	70-130	

MATRIX SPIKE SAMPLE:	5647217						
		35892631026	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	73.9	2	75.1	58	70-130	J(M1)
1,4-Dioxane-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE:	5647189					
Parameter	Units	35892631025 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	7.2	7.0	4	20	
1,4-Dioxane-d8 (S)	%	113	114			

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QUALITY CONTROL DATA

Project: T2416134
Pace Project No.: 35892631

QC Batch:	1027696	Analysis Method:	EPA 522
QC Batch Method:	EPA 522	Analysis Description:	522 MSS 1,4 Dioxane
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35892631032, 35892631033, 35892631034, 35892631035

METHOD BLANK: 5648717 Matrix: Water
Associated Lab Samples: 35892631032, 35892631033, 35892631034, 35892631035

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.12 U	0.20	0.12	07/20/24 11:37	
1,4-Dioxane-d8 (S)	%	119	70-130		07/20/24 11:37	

LABORATORY CONTROL SAMPLE: 5648718

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	20	23.4	117	70-130	
1,4-Dioxane-d8 (S)	%			119	70-130	

LABORATORY CONTROL SAMPLE: 5648719

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.2	0.26	129	50-150	
1,4-Dioxane-d8 (S)	%			122	70-130	

MATRIX SPIKE SAMPLE: 5648947

Parameter	Units	35892631032 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.12 U	20	22.8	114	70-130	
1,4-Dioxane-d8 (S)	%				113	70-130	

SAMPLE DUPLICATE: 5649352

Parameter	Units	35892631035 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	276	296	7	20	
1,4-Dioxane-d8 (S)	%	95	100			

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QUALIFIERS

Project: T2416134
Pace Project No.: 35892631

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P1	Routine initial sample volume or weight was not used for extraction, resulting in elevated reporting limits.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: T2416134

Pace Project No.: 35892631

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35892631001	24060186-01	EPA 522	1027144	EPA 522	1027522
35892631002	24060186-02	EPA 522	1027144	EPA 522	1027522
35892631003	24060186-03	EPA 522	1027144	EPA 522	1027522
35892631004	24060186-04	EPA 522	1027144	EPA 522	1027522
35892631005	24060186-05	EPA 522	1027144	EPA 522	1027522
35892631006	24060186-06	EPA 522	1027144	EPA 522	1027522
35892631007	24060186-07	EPA 522	1027144	EPA 522	1027522
35892631008	24060186-08	EPA 522	1027144	EPA 522	1027522
35892631009	24060186-09	EPA 522	1027144	EPA 522	1027522
35892631010	24060186-10	EPA 522	1027144	EPA 522	1027522
35892631011	24060186-11	EPA 522	1027144	EPA 522	1027522
35892631012	24060186-12	EPA 522	1027144	EPA 522	1027522
35892631013	24060186-13	EPA 522	1027376	EPA 522	1027518
35892631014	24060186-14	EPA 522	1027376	EPA 522	1027518
35892631015	24060186-15	EPA 522	1027376	EPA 522	1027518
35892631016	24060186-16	EPA 522	1027376	EPA 522	1027518
35892631017	24060186-17	EPA 522	1027376	EPA 522	1027518
35892631018	24060186-18	EPA 522	1027376	EPA 522	1027518
35892631019	24060186-19	EPA 522	1027376	EPA 522	1027518
35892631020	24060186-21	EPA 522	1027376	EPA 522	1027518
35892631021	24060186-22	EPA 522	1027376	EPA 522	1027518
35892631022	24060186-23	EPA 522	1027376	EPA 522	1027518
35892631023	24060186-24	EPA 522	1027376	EPA 522	1027518
35892631024	24060186-25	EPA 522	1027376	EPA 522	1027518
35892631025	24060186-26	EPA 522	1027376	EPA 522	1027518
35892631026	24060186-27	EPA 522	1027376	EPA 522	1027518
35892631027	24060186-28	EPA 522	1027376	EPA 522	1027518
35892631028	24060186-29	EPA 522	1027376	EPA 522	1027518
35892631029	24060186-30	EPA 522	1027376	EPA 522	1027518
35892631030	24060186-31	EPA 522	1027376	EPA 522	1027518
35892631031	24060186-32	EPA 522	1027376	EPA 522	1027518
35892631032	24060186-33	EPA 522	1027696	EPA 522	1027819
35892631033	24060186-34	EPA 522	1027696	EPA 522	1027819
35892631034	24060186-35	EPA 522	1027696	EPA 522	1027819
35892631035	24060186-36	EPA 522	1027696	EPA 522	1027819

REPORT OF LABORATORY ANALYSIS

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Chain of Custody

Document: 334789

Results Requested By: 7/23/2024

MO#: 35892631
35892631

Report To
Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave
Tampa, FL 33619
Phone (813) 630-9616
Fax (813) 630-4327

Subcontract To
~~Delaney Stone~~
~~GEL Laboratories LLC~~
~~2040 Savage Rd~~
~~Charleston, SC 29407~~
~~Phone (843) 769-7385~~

Pace Analytical

Report To		Subcontract To		Requested Analysis												LAB USE ONLY	
Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers												
1	24060186-01	07/10/2024 13:28	T2416134001	Drinking Water	Na2SO3	1											
2	24060186-02	07/09/2024 10:49	T2416134002	Drinking Water	1												
3	24060186-03	07/10/2024 09:42	T2416134003	Drinking Water	1												
4	24060186-04	07/11/2024 12:17	T2416134004	Drinking Water	1												
5	24060186-05	07/09/2024 10:34	T2416134005	Drinking Water	1												
6	24060186-06	07/08/2024 09:45	T2416134006	Drinking Water	1												
7	24060186-07	07/09/2024 12:40	T2416134007	Drinking Water	1												
8	24060186-08	07/11/2024 13:56	T2416134008	Drinking Water	1												
9	24060186-09	07/10/2024 11:38	T2416134009	Drinking Water	1												
10	24060186-10	07/10/2024 10:58	T2416134010	Drinking Water	1												
11	24060186-11	07/08/2024 07:26	T2416134011	Drinking Water	1												
12	24060186-12	07/08/2024 08:17	T2416134012	Drinking Water	1												
13	24060186-13	07/08/2024 12:40	T2416134013	Drinking Water	1												

Pace 7/17/24 12:06

Chain of Custody

Document: 334789



Report To
Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave
Tampa, FL 33619
Phone (813) 630-9616
Fax (813) 630-4327

Subcontract To
Delaney Stone
GELL Laboratories LLC
2040 ~~Sage~~ Rd
Charleston, SC 29407
Phone (843) 709-7385

Report To			Subcontract To			Requested Analysis													LAB USE ONLY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Advanced Environmental Laboratories, Inc 9610 Princess Palm Ave Tampa, FL 33619 Phone (813) 630-9616 Fax (813) 630-4327			Dalaney Stone GEL Laboratories LLC 2040 SAGE Rd Charleston, SC 29407 Phone (843) 789-7385																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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POWERED BY
HORIZON
7/17/24 12:06

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[illegible]

Preserved Containers

LAB USE ONLY

HORIZON.

2

PAGE 7/17/24 12:00

Chain of Custody

Document: 334789



Report		Electronic Data Deliverables		Comments			
☐	Standard (Results Only)	☐	Stage 2A	T2416134	Sydney Mine Superfund	Heidi Parker	HParker@aellab.com
☐	Standard with Batch QC	☐	Stage 2B				
☐	CLP	☐	Stage 3				
☐	Other	☐	Other				
Preservative							
Na2SO3 = Sodium Sulfite							
		Transfers	Released By	Date/Time	Received By	Date/Time	
		1		7/17/24 0000		7/17/24 12:00	
		2					
		3					
		4					
		5					



Sample Condition Upon Receipt Form (SCUR)

WO#: 35892631

PM: MRC

Due Date: 07/26/24

CLIENT: 37-AELTAM

Project #

Project Manager:

Client:

Date and Initials of person: 7/17/24

Examining contents: LS2

Verifying pH: LS2

Thermometer Used T-202

Date: 7/17/24

Time: 12:00

Initials: KR

State of Origin: FL

☐ For WV projects, all containers verified to $\leq 6^{\circ}\text{C}$

Cooler #1 Temp. $^{\circ}\text{C}$ 0.6 (Visual) +0.2 (Correction Factor) 0.8 (Actual)

Cooler #2 Temp. $^{\circ}\text{C}$ 0.8 (Visual) (Correction Factor) 1.0 (Actual)

Cooler #3 Temp. $^{\circ}\text{C}$ 0.9 (Visual) (Correction Factor) 1.1 (Actual)

Cooler #4 Temp. $^{\circ}\text{C}$ 1.6 (Visual) (Correction Factor) 1.8 (Actual)

Cooler #5 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #6 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Recheck for OOT $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

☒ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

Time: Initials:

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace ☐ Other:

Shipping Method: ☐ Standard Overnight ☐ First Overnight ☐ Priority Overnight ☐ Ground ☐ International Priority ☐ Other:

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking #

Custody Seal Present: ☐ Yes ☒ No Seal properly placed and intact: ☐ Yes ☒ No

Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None ☐ Melted

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other:

Samples shorted to lab: ☐ Yes ☒ No (If yes, complete the following)

Shorted Date:

Shorted Time:

Bottle Quantity / Type:

Chain of Custody:	Present: ☐ Yes ☒ No	Filled Out: ☐ Yes ☒ No ☐ N/A	Sampler Name: ☐ Yes ☒ No ☐ N/A
	Relinquished To Pace: ☐ Yes ☒ No ☐ N/A		
Sampling Date(s): ☒ Yes ☐ No ☐ N/A		Sampling Time(s): ☒ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time.	☒ Yes ☐ No ☐ N/A	Comments:	
Rush Turnaround Requested on COC.	☐ Yes ☒ No ☐ N/A	Comments:	
Sufficient Volume.	☒ Yes ☐ No ☐ N/A	Comments:	
Correct Containers Used.	☒ Yes ☐ No ☐ N/A	Comments:	
Containers Intact.	☐ Yes ☒ No ☐ N/A	Comments:	
Sample Labels Match COC (Sample ID, Date/Time of Collection).	☒ Yes ☐ No ☐ N/A	Comments:	
All containers needing acid / base preservation have been checked.	☒ Yes ☐ No ☐ N/A	Preservation Information	
All containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☐ Yes ☒ No ☐ N/A	Preservative: _____	Date: _____
		Lot / Trace: _____	Time: _____
		Amount added (mL): _____	Initials: _____
Headspace in Volatile Vials? (>6mm):	☐ Yes ☐ No ☒ N/A		
Trip Blank Present:	☐ Yes ☐ No ☒ N/A		

Comments / Resolutions (use back for additional comments):

* Sample 033 out of PH. PH is 5.0
* Sample 36, 37, 38, 39 were received broken

Labeled by: LS2

Reviewed by: KR

Delivered by: LS2



**Hillsborough
County Florida**
Public Utilities

Environmental Laboratory
9456 E Columbus Dr Tampa, FL 33619
Certification Number: E44104
Phone No. (813) 272-5977 x 43635

Subcontracted Chain of Custody



Work Order: 24060186

Scheduled Sample Set Name:
Sydney Mine Superfund - 522

Subcontracted Vendor: AEL

Customer: Sydney Mine Superfund
Project: Sydney Mine Superfund 1,4-Dioxane Testing
Contact: Stonerod, Dale (Chief Environmental Scientist)
Phone: (813) 272-5977 x 43635
Profile #

Sample Information

Sample ID:	Customer:	PWS#	Site:	Collection Date/Time:	Sample Type:	Container Type:	Preservative:	Analysis Method:	Analyses:
24060186-01-1	Sydney Mine Superfund		BV-01	Start: 7/10/2024 1:28:00 PM End: 7/10/2024 1:28:00 PM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane
Collector:	Detwiler, Julia			Title: Environmental Specialist					001
24060186-02-1	Sydney Mine Superfund		BV-03	Start: 7/9/2024 10:49:00 AM End: 7/9/2024 10:49:00 AM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane
Collector:	Detwiler, Julia			Title: Environmental Specialist					002
24060186-03-1	Sydney Mine Superfund		BV-R-04	Start: 7/10/2024 9:42:00 AM End: 7/10/2024 9:42:00 AM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane
Collector:	Detwiler, Julia			Title: Environmental Specialist					003
24060186-04-1	Sydney Mine Superfund		BV-R-06	Start: 7/11/2024 12:17:00 PM End: 7/11/2024 12:17:00 PM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane
Collector:	Detwiler, Julia			Title: Environmental Specialist					004
24060186-05-1	Sydney Mine Superfund		BV-06	Start: 7/9/2024 10:34:00 AM End: 7/9/2024 10:34:00 AM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane
Collector:	Detwiler, Julia			Title: Environmental Specialist					005
24060186-06-1	Sydney Mine Superfund		BV-07	Start: 7/8/2024 9:45:00 AM End: 7/8/2024 9:45:00 AM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane
Collector:	Detwiler, Julia			Title: Environmental Specialist					006
24060186-07-1	Sydney Mine Superfund		BV-08	Start: 7/9/2024 12:40:00 PM End: 7/9/2024 12:40:00 PM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane
Collector:	Detwiler, Julia			Title: Environmental Specialist					004
24060186-08-1	Sydney Mine Superfund		BV-09	Start: 7/11/2024 1:56:00 PM End: 7/11/2024 1:56:00 PM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane
Collector:	Detwiler, Julia			Title: Environmental Specialist					008



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Customer: Sydney Mine Superfund
Project: Sydney Mine Superfund 14-Dioxane Testing
Contact: Stoneroad, Dale (Chief Environmental Scientist)
Phone: (813) 272-5977 x 43635
Profile #

Work Order: 24060186
Scheduled Sample Sydney Mine Superfund - 522
Set Name:

Subcontracted Vendor: AEL

Sample Information

Sample ID:	Customer:	PWS#	Site	Collection Date/Time:	Sample Type:	Container Type:	Preservative:	Analysis Method:	Analyses:
24060186-09-1	Sydney Mine Superfund		BV-13	Start: 7/10/2024 11:38:00 AM End: 7/10/2024 11:38:00 AM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane 009
Address:									
Collector:	Detwiler, Julia								
Title:	Environmental Specialist								
24060186-10-1	Sydney Mine Superfund		BV-14	Start: 7/10/2024 10:58:00 AM End: 7/10/2024 10:58:00 AM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane 010
Address:									
Collector:	Detwiler, Julia								
Title:	Environmental Specialist								
24060186-11-1	Sydney Mine Superfund		BV-15	Start: 7/8/2024 7:26:00 AM End: 7/8/2024 7:26:00 AM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane 011
Address:									
Collector:	Detwiler, Julia								
Title:	Environmental Specialist								
24060186-12-1	Sydney Mine Superfund		BV-16	Start: 7/8/2024 8:17:00 AM End: 7/8/2024 8:17:00 AM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane 012
Address:									
Collector:	Detwiler, Julia								
Title:	Environmental Specialist								
24060186-13-1	Sydney Mine Superfund		BV-17	Start: 7/8/2024 12:40:00 PM End: 7/8/2024 12:40:00 PM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane 013
Address:									
Collector:	Detwiler, Julia								
Title:	Environmental Specialist								
24060186-14-1	Sydney Mine Superfund		BV-18	Start: 7/9/2024 8:01:00 AM End: 7/9/2024 8:01:00 AM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane 014
Address:									
Collector:	Detwiler, Julia								
Title:	Environmental Specialist								
24060186-15-1	Sydney Mine Superfund		BV-19	Start: 7/9/2024 8:39:00 AM End: 7/9/2024 8:39:00 AM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane 015
Address:									
Collector:	Detwiler, Julia								
Title:	Environmental Specialist								
24060186-16-1	Sydney Mine Superfund		BV-20	Start: 7/8/2024 1:21:00 PM End: 7/8/2024 1:21:00 PM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane 016
Address:									
Collector:	Detwiler, Julia								
Title:	Environmental Specialist								



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Work Order: 24060186

Scheduled Sample Sydney Mine Superfund - 522
Set Name:

Subcontracted Vendor: AEL

Customer: Sydney Mine Superfund
Project: Sydney Mine Superfund 14-Dioxane Testing
Contact: Stonerod, Dale (Chief Environmental Scientist)
Phone: (813) 272-5977 x 43635
Profile #

Sample Information

Sample ID:	Customer:	PWS#	Site:	Collection Date/Time:	Sample Type:	Container Type:	Preservative:	Analysis Method:	Analyses:
24060186-17-1	Sydney Mine Superfund		BV-21R	Start: 7/8/2024 9:43:00 AM End: 7/8/2024 9:43:00 AM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane 017
Address:									
Collector:	Detwiler, Julia								
24060186-18-1	Sydney Mine Superfund		BV-22	Start: 7/8/2024 7:28:00 AM End: 7/8/2024 7:28:00 AM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane 018
Address:									
Collector:	Detwiler, Julia								
24060186-19-1	Sydney Mine Superfund		BV-23	Start: 7/8/2024 12:36:00 PM End: 7/8/2024 12:36:00 PM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane 019
Address:									
Collector:	Detwiler, Julia								
24060186-21-1	Sydney Mine Superfund		BV-26	Start: 7/8/2024 11:28:00 AM End: 7/8/2024 11:28:00 AM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane 020
Address:									
Collector:	Detwiler, Julia								
24060186-22-1	Sydney Mine Superfund		BV-27	Start: 7/9/2024 7:17:00 AM End: 7/9/2024 7:17:00 AM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane 021
Address:									
Collector:	Detwiler, Julia								
24060186-23-1	Sydney Mine Superfund		ND-03D	Start: 7/10/2024 12:00:00 PM End: 7/10/2024 12:00:00 PM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane 022
Address:									
Collector:	Detwiler, Julia								
24060186-24-1	Sydney Mine Superfund		NDW-06	Start: 7/10/2024 11:58:00 AM End: 7/10/2024 11:58:00 AM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane 023
Address:									
Collector:	Detwiler, Julia								
24060186-25-1	Sydney Mine Superfund		SRW-02	Start: 7/10/2024 12:59:00 PM End: 7/10/2024 12:59:00 PM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane 024
Address:									
Collector:	Detwiler, Julia								



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Project: Sydney Mine Superfund 1,4-Dioxane Testing
Contact: Stoneroad, Dale (Chief Environmental Scientist)
Phone: (813) 272-5977 x 43635
Profile #
Subcontracted Vendor: AEL

Work Order: 24060186

Scheduled Sample Sydney Mine Superfund - 522

Set Name:

Subcontracted Vendor: AEL

Sample Information

Sample ID:	Customer:	PWS#	Site:	Collection Date/Time:	Sample Type:	Container Type:	Preservative:	Analysis Method:	Analyses:
24060186-26-1	Sydney Mine Superfund		SRW-04	Start: 7/10/2024 10:30:00 AM End: 7/10/2024 10:30:00 AM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane
Address:									
Collector:	Detwiler, Julia								
24060186-27-1	Sydney Mine Superfund		SRW-05	Start: 7/11/2024 10:48:00 AM End: 7/11/2024 10:48:00 AM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane
Address:									
Collector:	Detwiler, Julia								
24060186-28-1	Sydney Mine Superfund		OPRW-02	Start: 7/11/2024 8:43:00 AM End: 7/11/2024 8:43:00 AM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane
Address:									
Collector:	Detwiler, Julia								
24060186-29-1	Sydney Mine Superfund		OPRW-12	Start: 7/10/2024 9:33:00 AM End: 7/10/2024 9:33:00 AM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane
Address:									
Collector:	Detwiler, Julia								
24060186-30-1	Sydney Mine Superfund		HW-02	Start: 7/9/2024 1:11:00 PM End: 7/9/2024 1:11:00 PM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane
Address:									
Collector:	Detwiler, Julia								
24060186-31-1	Sydney Mine Superfund		HW-04	Start: 7/11/2024 9:25:00 AM End: 7/11/2024 9:25:00 AM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane
Address:									
Collector:	Detwiler, Julia								
24060186-32-1	Sydney Mine Superfund		P-05	Start: 7/10/2024 8:31:00 AM End: 7/10/2024 8:31:00 AM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane
Address:									
Collector:	Detwiler, Julia								
24060186-33-1	Sydney Mine Superfund		Field Blank	Start: 7/8/2024 7:29:00 AM End: 7/8/2024 7:29:00 AM	Non-Potable Water (Grab)	Glass 1 L Amber	None	522 - 14-Dioxane Subcontracted	14-Dioxane
Address:									
Collector:	Detwiler, Julia								



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Customer: Sydney Mine Superfund
Project: Sydney Mine Superfund 1,4-Dioxane Testing
Contact: Stoneroad, Dale (Chief Environmental Scientist)
Phone: (813) 272-5977 x 43635
Profile #
Subcontracted Vendor: AEL
Work Order: 24060186
Schedulad Sample: Sydney Mine Superfund - 522
Set Name:

Sample Information

Sample ID:	Customer:	PWS#	Site:	Collection Date/Time:	Sample Type:	Container Type:	Preservative:	Analysis Method:	Analyses:
24060186-34-1	Sydney Mine Superfund		Field Blank	Start: 7/10/2024 12:30:00 PM End: 7/10/2024 12:30:00 PM	Non-Potable Water	Glass 1 L Amber (Grab)	None	522 - 14-Dioxane Subcontracted	14-Dioxane
Collector:	Detwiler, Julia								
									033
24060186-35-1	Sydney Mine Superfund		Duplicate	Start: 7/11/2024 1:56:00 PM End: 7/11/2024 1:56:00 PM	Non-Potable Water	Glass 1 L Amber (Grab)	None	522 - 14-Dioxane Subcontracted	14-Dioxane
Collector:	Detwiler, Julia								
									034
24060186-36-1	Sydney Mine Superfund		Duplicate	Start: 7/9/2024 7:29:00 AM End: 7/9/2024 7:29:00 AM	Non-Potable Water	Glass 1 L Amber (Grab)	None	522 - 14-Dioxane Subcontracted	14-Dioxane
Collector:	Detwiler, Julia								
									035
24060186-37-1	Sydney Mine Superfund		Trip Blank	Start: 7/9/2024 7:29:00 AM End: 7/9/2024 7:29:00 AM	Non-Potable Water	Glass 1 L Amber (Grab)	None	522 - 14-Dioxane Subcontracted	14-Dioxane
Collector:	Detwiler, Julia								
									036
24060186-39-1	Sydney Mine Superfund		Trip Blank	Start: 7/11/2024 12:17:00 PM End: 7/11/2024 12:17:00 PM	Non-Potable Water	Glass 1 L Amber (Grab)	None	522 - 14-Dioxane Subcontracted	14-Dioxane
Collector:	Detwiler, Julia								
									037
24060186-40-1	Sydney Mine Superfund		Trip Blank	Start: 7/10/2024 9:42:00 AM End: 7/10/2024 9:42:00 AM	Non-Potable Water	Glass 1 L Amber (Grab)	None	522 - 14-Dioxane Subcontracted	14-Dioxane
Collector:	Detwiler, Julia								
									038
24060186-41-1	Sydney Mine Superfund		Trip Blank	Start: 7/8/2024 7:29:00 AM End: 7/8/2024 7:29:00 AM	Non-Potable Water	Glass 1 L Amber (Grab)	None	522 - 14-Dioxane Subcontracted	14-Dioxane
Collector:	Detwiler, Julia								
									039
Relinquished By:				Date/Time: 7/11/24 1500	Accepted By:				
Relinquished By:				Date/Time: 7-11 1558	Accepted By:				
Relinquished By:				Date/Time:	Accepted By:				
									Notes: cooler check b-y KCR 7/11/24