

PHASE II ENVIRONMENTAL SITE ASSESSMENT

ROBERT WHALEN APARTMENTS 275, 285, 295, 305, 315 and 325 COLONIE STREET ALBANY, NEW YORK

Prepared for:

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February 2024

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1.0 INTRODUCTION

A Phase II Environmental Site Assessment (ESA) was completed for the subject properties located at 275, 285, 295, 305, 315 and 325 Colonie Street, Albany County, New York (refer to **Figure 1**). The Phase II ESA was completed in accordance with ASTM E1903 - Standard Guide for Environmental Site Assessments: - Phase II Environmental Site Assessment Process and in general accordance with the most current updates of New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation's (DER's) Technical Guidance for Site Investigation and Remediation (DER-10).

This assessment included a subsurface investigation across the subject properties. The purpose of the assessment was to obtain information and data for assessing potential eligibility for the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) and to investigate the potential impact of the Recognized Environmental Condition (REC) identified in the Phase I ESA performed by BE3 in November 2023.

1.1 BACKGROUND

1.1.1 General Site Setting

The Robert Whalen Apartments (295 Colonie SBL: 65.66-1-1 and 349 Colonie SBL: 65.66-1-3) consist of two rectangularly shaped parcels and total 4.1 acres. 295 Colonie Street property contains two 3-story apartment complexes (Buildings 275 and 285) and is 1.33 acres. 349 Colonie Street property contains four 3-story complexes (Buildings 295, 305, 315, and 325) and is 2.76 acres. The subject properties are bounded to the northeast by the Skyline Housing Developments, to the northwest by Northern Boulevard, to the southwest by Colonie Street, and to the southeast by Albany City School playgrounds and residential homes along Colonie Street. The apartment complexes are currently under the ownership of Albany Housing Authority and surrounded by green space and associated asphalt parking.

1.1.2 Physical Setting

The subject properties gently slope upward towards the northeast and are situated within an urban mixed use city block encompassed by Northern Boulevard, Manning Boulevard, and Colonie Street; and separated by Lark Street which runs northeast. The subject properties are 174 feet above sea level and located at latitude 42° 39' 47.28" N; Longitude 73° 45' 17.43" W.

1.1.3 Historical Use

A review of historical street directories, aerial photographs, Sanborn maps and information obtained from facility personnel indicate the subject properties were developed prior to 1892. Sanborn maps show clay pits surrounding the properties until 1935 and the addition of the Albany Fire Department on the subject property. The earliest aerial photographs date back to 1942 and show the subject properties developed with several structures. The Robert Whalen Apartments appear in aerial photographs in 1952 and have since remained relatively unchanged.

1.1.4 Contaminants of Concern

The Phase I ESA completed at the subject properties suggested there is potential for environmental impacts related to historical on-site storage of petroleum. The NYDEC info locator

and EDR records indicate that a 10,000-gallon UST was removed from one of the subject properties (Building 305 Colonie Street) in 1994. There is also record of a spill (#9408660) indicating release. There are no records available as to the volume of the spill or remedial action, however, it was identified as petroleum spill, and the file was closed.

1.2 SCOPE

The objective of this environmental assessment was to assess the potential for environmental impacts indicated by historical use on the subject properties and to determine if it is eligible for the NYSDEC BCP. This was completed by performing a field assessment of near surface and subsurface soil and overburden groundwater.

2.0 FIELD INVESTIGATION

The field work for the subject properties was conducted on February 8, 2024. Prior to conducting invasive work, the utility locate center was notified to mark underground utilities on the subject properties. The field work included the following:

- Twelve borings advanced throughout the property to assess subsurface soils.
- Two temporary monitoring wells from borings B-1 and B-2 to assess the groundwater.

2.1 SOIL SAMPLING

BE3 completed an assessment of soils across the subject properties by advancing a total of twelve soil borings at specific locations across the subject properties (Borings BH-1 through BH-12) (See **Figure 2**). A total of eleven soil samples were collected from the borings for submission for laboratory analysis.

Borings were field located to assess the soil specific to previous property use and to ensure coverage across the parcel. Boring depths ranged from 2.5 to 24 feet below ground surface (bgs). The borings were completed using a Geoprobe® unit which employs direct push technology. Continuous soil sampling was performed using Macro Core soil samplers measuring approximately 44 inches in length and 1½ inches in diameter with acetate liners resulting in approximately 4-foot length distinct sample cores (i.e., 0 to 4 feet, 4 to 8 feet, 8 to 12 feet). Each of the samplers was fitted with a new acetate liner prior to use. A photolog of field activities is included the Field Activity Summary provided in **Appendix A**. Stratification of material observed in each boring are noted on boring logs, which are included in **Appendix B**.

Soil from each soil core was visually described and field screened for volatile organic compounds (VOCs) using a RKI GX6000 photoionization detector (PID) with a 10.6 eV Lamp and by visual and olfactory observations. Soil cores from borings were transported to a staging area adjacent to each borehole. The soil core was opened, and the length of the core was examined visually and with the PID. Odors, PID results, and observations were noted on the boring logs. A total of eleven (11) grab subsurface soil samples were collected at specific locations and depths from fill material as follows:

- B-1 at 2.5-4.5 feet below ground surface (bgs). Total depth of boring was 24 feet bgs;
- B-2 at 2-4 feet bgs. Total depth of boring was 20 feet bgs;
- B-3 at 2-4 feet bgs. Total depth of boring was 8 feet bgs;

- B-4 at 6-8 feet bgs. Total depth of boring was 12 feet bgs;
- B-5 at 1-2 feet bgs. Total depth of boring was 8 feet bgs;
- B-6 at 3-4 feet bgs. Total depth of boring was 8 feet bgs;
- B-7 at 1-2 feet bgs. Total depth of boring was 8 feet bgs;
- B-8 at 2-4 feet bgs. Total depth of boring was 4.5 feet bgs;
- B-9 at 1-3 feet bgs. Total depth of boring was 4 feet bgs;
- B-10 at 1-2 feet bgs. Total depth of boring was 8 feet bgs;
- B-11 at 2-3 feet bgs. Total depth of boring was 8 feet bgs;
- B-12 no sample collected. Total depth of boring was 2.5 feet bgs;

All soil borings were backfilled with the soil from the boring. Borings located in asphalt covered areas were patched with cold patch asphalt. All soil samples were taken below asphalt and asphalt subbase at approximately one foot bgs. The soil samples were packaged per laboratory protocols and submitted to a NYSDEC certified laboratory for analysis.

2.2 GROUNDWATER SAMPLING

Temporary groundwater monitoring micro-wells were installed in borings B-1 (MW-1) and B-2 (MW-2). No elevated PID readings were detected. The wells were removed, and borings filled after sampling.

Each well consisted of a 1-inch diameter, schedule 40 PVC casing equipped with a 5-foot, 100-slot screen and a solid PVC riser pipe extending to the surface. The well screen was positioned in the water bearing zone to the bottom of the borehole to ensure assessment potential for contaminants. Two groundwater samples were collected using a bailer from B-1/MW-1 and B-2/MW-2. The groundwater samples were packaged per laboratory protocol and submitted to a NYSDEC certified laboratory for analysis.

2.3 SUBSURFACE CONDITIONS

The borings indicate that subsurface conditions generally consisted of urban backfill that included brown to black to grey clayey silty sand with various layers of debris including brick, cinder, ash, concrete, and glass. Fill depths ranged from 1-8 feet bgs. Below the fill in most locations was silty sand with various amounts of clay with some fine to coarse gravel. During boring operations, refusal (inability to drill further) was observed at 2.5-4.5 feet in 3 locations. Most boring locations were advanced further indicating that shallow refusal was likely due to a buried obstruction. Groundwater was assessed in two locations, MW-1 at 24 feet and MW-2 at 20 feet. (Refer to borehole logs in **Appendix B.**)

3.0 RESULTS

Samples were analyzed on a standard 10-day turnaround time. The analytical soil results were compared to the NYSDEC restricted residential, commercial, and industrial Soil Cleanup Objectives (SCOs) listed in Table 375-6.8(a) and (b) of 6 NYCRR Part 375 (current). These SCOs are listed in **Table 1** alongside the sample results. A copy of the laboratory report is provided in **Appendix C.**

3.1 SOIL

A total of eleven soil samples were analyzed for NYSDEC Part 375 Metals and Mercury by EPA Method 6010C and 7471B, NYSDEC Part 375 SVOCs and TICs by EPA Method 8270D and NYSDEC Part 375 VOCs and TICS by EPA Method 8260 C.

Metal compounds were detected in all soil samples analyzed. A summary of metals above NYSDEC SCOs is provided in **Table 1** and **Figure 2**. The following results were above NYSDEC SCOs:

- Arsenic was detected above industrial SCOs in B-11 (31.1 ppm vs 16 ppm);
- Mercury was detected above commercial SCOs in B-1 (3.6 ppm vs 2.8 ppm) and above restricted residential SCOs in B-8 (1ppm vs 0.81ppm) and B-9 (2.8 ppm vs. 0.81 ppm).
- Lead was detected above commercial SCOs in B-4 (1290ppm vs. 1000ppm).

SVOCs were detected in ten of the eleven soil samples analyzed. A summary of SVOCs above NYSDEC SCOs is provided in **Table 1** and **Figure 2**. The following results were above NYSDEC SCOs:

- Benzo(a)pyrene was detected above industrial SCOs in B-4 (2.3 ppm vs 1.1 ppm);
- Benzo(a)anthracene was detected above restricted residential SCOs in B-4 (2.5 ppm vs 1 ppm);
- Benzo(b)fluoranthene was detected above restricted residential SCOs in B-4 (2.5 ppm vs 1 ppm);
- Dibenzo(a,h)anthracene was detected above restricted residential SCOs in B-4 (0.45 ppm vs 0.33 ppm) and in B-8 (0.43ppm);
- Indeno(1,2,3-cd)pyrene was detected above restricted residential SCOs in B-4 (1.4 ppm vs 0.5 ppm) and B-8 (1.3 ppm)

Volatile Organic Compounds (VOCs)

Odors and elevated PID readings were not observed in field activities. Lab results indicate the presence of acetone and a few VOCs related to petroleum use (1,2,4 and 1,3,5-trimethylbenze, ethylbenzene, and xylenes) at low concentrations in one location (B-3) and determined to be significantly below restricted residential SCOs. Several TICs were also identified at low concentrations.

3.2 GROUNDWATER

Groundwater samples were analyzed for NYSDEC Part 375 Metals and Mercury by EPA Method 6010C and 7471B, NYSDEC Part 375 VOCs and TICs by EPA Method 8260C and NYSDEC Part 375 SVOCs and TICs by EPA Method 8270D. These results were compared to the Class GA Groundwater Quality Standards (GWQS) per NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values.

Analytical results are provided in **Table 2** and in **Figure 2** and a copy of the laboratory report is provided in **Appendix C**.

Several metals were observed in both groundwater samples collected. TOGS values were exceeded in B-1/MW-1 and B-2/MW-2, respectively, for arsenic (370 ppm and 370 ppm, respectively), barium (5,100 ppm and 4,500 ppm), beryllium (40 ppm and 43 ppm), cadmium (7.7 ppm and 12 ppm), chromium (900 ppm and 1,200 ppm), copper (2,300 and 1,600 ppm),

manganese (27,600 and 38,100 ppm), mercury (98 and 9.1 ppm), nickel (1,600 and 1,800 ppm), lead (15,500 and 2,800 ppm), selenium (61 and 61 ppm), and zinc (4,900 and 4,000 ppm).

Phenol, which is a commonly used agent in disinfection was the only SVOC detected in MW-1 (0.5 ppm) and MW-2 (0.63 ppm) locations; however, it was detected below TOGS value of 1 ppm.

Odors and elevated PID readings were not observed in field activities. Acetone and methyl ethyl ketone were the only VOC detected in the groundwater and found to be below TOGS values.

4.0 CONCLUSIONS

The purpose of this assessment was to identify potential environmental impacts at 275, 285, 195, 305, 315, and 325 Colonie Street located in Albany, New York. The historical uses on the subject properties include a historic 10,000-gallon UST that was removed in 1994 and an Albany Fire Department building in 1935 located on the corner of Colonie Street and North Lark Street. The following conclusions are based on the sampling analytical results of soil and groundwater.

- Metals including mercury, lead, and arsenic were detected in soil samples collected above restricted residential, commercial, and industrial SCOs in 5 boring locations across the properties.
- SVOCs including, benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, dibenz(a,h)anthracene, and Indeno(1,2,3-cd)pyrene were detected in soil samples above restricted residential SCOs in one location, B-4. Benzo(a)pyrene was detected above industrial SCOs in this location.
- VOCs in site soils relating to petroleum uses (trimethylbenzene, ethylbenzene, and xylene) were detected in one location, B-3, at very low concentrations and below SCOs.
- Metals including mercury, lead, and arsenic (among others) were detected in both groundwater samples above TOGS values.
- SVOC (phenol) and VOCs (acetone and MEK) were detected in both groundwater samples but at concentrations below guidance values.

The laboratory results indicate that there are impacted urban fill conditions existing at the subject properties down to approximately 8 feet bgs with potential pockets of commercial and industrial waste resulting in target compounds (metals and SVOCs, primarily PAHs) above NYSDEC Restricted Residential, commercial, and industrial SCOs. Several metals, an SVOC, and two VOCs were also detected in the groundwater. Several metals exceedances for TOGS were identified in the groundwater. The RECs identified in the Phase I ESA were not encountered.

Based on these results, the BCP eligibility for the subject properties is medium. Although there are not many soil/groundwater contamination points, there was clearly non-native backfill material present with exceedances beyond commercial and industrial SCOs. These contaminants were also present in the groundwater that might indicate migration from soil.

5.0 WARRANTS AND LIMITATIONS

This report is based on information obtained from limited soil and groundwater samples, visual observations, and review of the previous Phase I ESA at the properties. This report is intended exclusively for the purpose outlined herein at the site location and project indicated.

This report is intended for the sole use of Albany Housing Authority. The scope of services performed in this assessment may not be appropriate to satisfy the needs of other users and any use or reuse of this document or the findings, conclusions, or recommendations presented, is at the sole risk of the user.

The conclusions set forth in this report are based upon, and limited by, the analytical data and other information available. It should be noted that all surface and subsurface environmental assessments are inherently limited in the sense that conclusions are drawn, and recommendations developed from information obtained from limited data and site evaluation at a specific time. The passage of time may result in a change in environmental circumstances at this site and surrounding properties, or petroleum/hazardous materials beneath the surface may be present but undetectable during this limited subsurface assessment.

Opinions and recommendations presented herein apply to the site conditions existing at the time of the subsurface assessment and those reasonably foreseeable. They cannot necessarily apply to site changes, which are not made aware and therefore cannot be evaluated.

6.0 PROFESSIONAL STATEMENT/SIGNATURE

This subsurface assessment at 275, 285, 295, 305, 315, and 325 Colonie Street, Albany, New York was performed in conformance with the scope and limitations of ASTM Practice E 1903-11 for the specific objectives specified in the report and was completed based on the scope of work provided by the banks' consultant. I declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in 312.10 of 40CFR312 and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312.

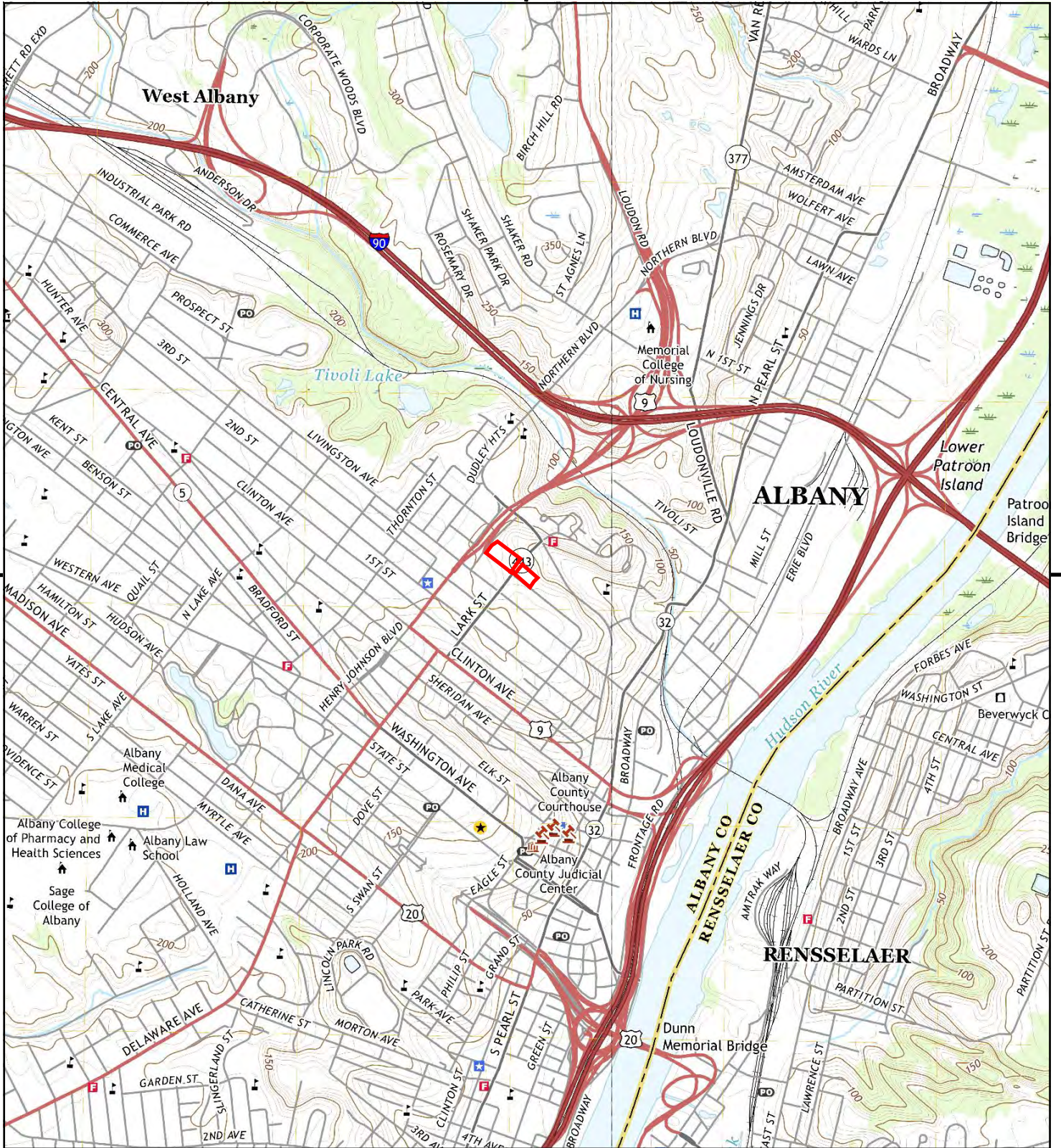


Jason M. Brydges, PE

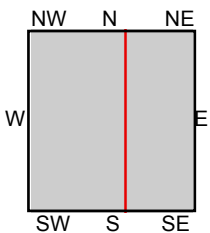
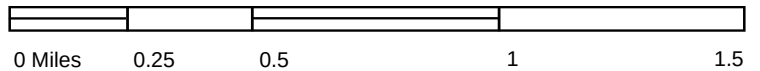
2/29/2024

Date

FIGURES



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



TP, Albany, 2019, 7.5-minute
NE, Troy South, 2019, 7.5-minute

SITE NAME: Robert Whalen Apartments
ADDRESS: 295 Colonie St
Albany, NY 12210
CLIENT: BE3





LEGEND

- Soil Boring
- ⊕ Monitoring Well
- Project Boundary

Notes:

1. All results listed are in units of parts per million (ppm).
2. All soil results listed are above restricted residential SCOs.
3. All groundwater results listed are above TOGS.

BE3

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CLIENT - Albany Housing Authority

Figure 2 - BE3 Phase II Investigation
Summary Results

275, 285, 295, 305, 315, and 325 Colonie Street
Albany, NY 12210



DATE ISSUED:
February 26, 2024



Scale: 1:1,800

TABLES

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS

Parameter Tested	BE3 Phase II Report February 2024 - Sample Identification, Sample Depth in feet below ground surface						NYSDEC Soil Cleanup Objectives (SCOs)		
	B-1	B-2	B-3	B-4	B-5	B-6	Restricted Residential	Commerical	Industrial
	2.5-4.5	4-5	2-4	6-8	1-2	3-4			
2/8/2024									
METALS/INORGANICS									
Arsenic	7.2	5.5	5.5	15.9	6.0	4.9	16	16	16
Barium	55.2	85.1	123.0	220.0	69.8	37.5	400	400	10,000
Beryllium	0.5	0.75	0.89	1.30	0.71	0.55	72	590	2,700
Cadmium	0.12 J	0.17 J	0.12 J	0.420	0.13 J	0.14 J	4.3	9.3	60
Chromium	13.3	15.8	17.5	24.3	19.0	13.0	180	1,500	2,000
Copper	17.4	21.2	19.6	124.0	27.3	24.6	270	270	10,000
Lead	286	85.5	76.1	1290.0	12.0	24.9	400	1,000	3,900
Manganese	274 B	453 B	381 B	117 B	543 B	55 B	2,000	10,000	10,000
Mercury	3.60	0.63	0.13	0.58	0.31	0.028	0.81	2.8	5.7
Nickel	17.3	22.2	23.5	28.3	27.0	21.0	310	310	10,000
Selenium	0.69 J	0.59 J	0.66 J	2.9 J	0.8 J	1.2 J	180	1,500	6,800
Silver	ND	ND	ND	1.1	0.22 J	ND	180	1,500	6,800
Zinc	52.2	79.7	73.7	264.0	72.8	46.2	10,000	10,000	10,000
SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs)									
Acenaphthene	ND	ND	ND	0.28	ND	ND	100	500	1,000
Acenaphthylene	ND	ND	ND	0.061 J	ND	ND	100	500	1,000
Anthracene	ND	ND	ND	0.82	ND	ND	100	500	1,000
Benzo(a)anthracene	0.068	0.036 J	ND	2.5	ND	ND	1	5.6	11
Benzo(a)pyrene	0.083	0.044 J	0.29 J	2.3	ND	ND	1	1.1	1.1
Benzo(b)fluoranthene	0.085	0.051 J	0.3 J	2.5	ND	ND	1	5.6	11
Benzo(g,h,i)perylene	0.069	0.026 J	0.2 J	1.4	ND	ND	100	500	1,000
Benzo(k)fluoranthene	0.078	ND	ND	1.1	ND	ND	3.9	56	110
Chrysene	0.078	ND	ND	2.5	ND	ND	3.9	56	78
Dibenz(a,h)anthracene	ND	ND	ND	0.45	ND	ND	0.33	0.56	1.1
Dibenzofuran	ND	ND	ND	0.25 J	ND	ND	Various	Various	Various
Fluoranthene	0.14 J	0.072 J	0.55 J	5.9	0.38 J	0.029 J	100	500	1,000
Fluorene	ND	ND	ND	0.39	ND	ND	100	500	1,000
Indeno(1,2,3-cd)pyrene	0.063	0.032 J	ND	1.4	ND	ND	0.5	5.6	11
Naphthalene	ND	ND	ND	0.18 J	ND	ND	100	500	1,000
Phenanthrene	0.094 J	0.045 J	0.27 J	4.9	ND	ND	100	500	1,000
Pyrene	0.14 J	0.073	0.39 J	4.3	0.24 J	ND	100	500	1,000
VOLATILE ORGANIC COMPOUNDS (VOCs)									
1,2,4-Trimethylbenzene	ND	ND	0.0034 J	ND	ND	ND	52	190	380
1,3,5-Trimethylbenzene	ND	ND	0.0009 J	ND	ND	ND	52	190	380
Ethylbenzene	ND	ND	0.00099 J	ND	ND	ND	41	390	780
m-Xylene & p-Xylene	ND	ND	0.004 J	ND	ND	ND	Various	Various	Various
o-Xylene	ND	ND	0.0031 J	ND	ND	ND	Various	Various	Various
Xylenes, Total	ND	ND	0.0071 J	ND	ND	ND	100	500	1,000
TENTATIVELY IDENTIFIED COMPOUNDS (TICs)									
Unknown	ND	0.87 T J	ND	7.77 T J	ND	0.48 T J	Various	Various	Various
Unknown	ND	0.65 T J	ND	0.6 T J	ND	ND	Various	Various	Various
Unknown	ND	ND	ND	1.3 T J N	ND	ND	Various	Various	Various
Unknown	ND	ND	ND	0.36 T J	ND	ND	Various	Various	Various
Unknown	ND	ND	ND	0.3 T J	ND	ND	Various	Various	Various
Unknown	ND	ND	ND	0.3 T J	ND	ND	Various	Various	Various
Dibenzothiophene	ND	ND	ND	0.32T J N	ND	ND	Various	Various	Various
Carbazole	ND	ND	ND	0.58 T J N	ND	ND	Various	Various	Various
Cyclopropalphenanthrene	ND	ND	ND	0.63 T J N	ND	ND	Various	Various	Various
2-methylphenanthrene	ND	ND	ND	0.77 T J N	ND	ND	Various	Various	Various
9, 10-Anthrenedione	ND	ND	ND	0.98 T J N	ND	ND	Various	Various	Various
3,6-dimethylphenanthrene	ND	ND	ND	0.4 T J N	ND	ND	Various	Various	Various
Cyclopenta(def)phenanthrenone	ND	ND	ND	0.38 T J N	ND	ND	Various	Various	Various
7H-Benzo(c)fluorene	ND	ND	ND	0.36 T J N	ND	ND	Various	Various	Various
Perylene	ND	ND	ND	0.35 T J N	ND	ND	Various	Various	Various
Benzo(e)pyrene	ND	ND	ND	1.2 T J N	ND	ND	Various	Various	Various
Pentaphene	ND	ND	ND	0.51 T J N	ND	ND	Various	Various	Various
Dibenzo(def, mno)chrysene	ND	ND	ND	0.46 T J N	ND	ND	Various	Various	Various
Pregan-20-one, (5.alpha)	ND	ND	ND	0.35 T J N	ND	ND	Various	Various	Various

ND Analyte not detected

- Not Applicable or sample not tested for this analyte

J Estimated Concentration

B Anaalyte detected in method blank

K Result is reported as Benzo(b)fluoranthene

E Results exceeded calibration range

T Result is Tentatively Identifies Compound and an estimated value

Analyte detected

Reported concentration greater than or equal to the NYSDEC Restrict

Reported concentration greater than or equal to the NYSDEC Commer

Reported concentration greater than or equal to the NYSDEC Industria

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS

Parameter Tested	BE3 Phase II Report February 2024 - Sample Identification, Sample Depth in feet					NYSDEC Soil Cleanup Objectives (SCOs)		
	B-7	B-8	B-9	B-10	B-11	Restricted	Commerical	Industrial
	1-2	1-2	1-3	1-2	2-3			
2/8/2024						Residential		
METALS/INORGANICS								
Arsenic	3.0	7.6	6.8	6.8	31.1	16	16	16
Barium	22.9	119.0	86.1	131.0	72.4	400	400	10,000
Beryllium	0.3	0.79	1.30	0.91	0.94	72	590	2,700
Cadmium	0.087 J	0.34	0.17 J	0.15 J	0.39	4.3	9.3	60
Chromium	7.4	16.6	18.4	18.8	20.0	180	1,500	2,000
Copper	11.2	70.7	46.2	22.3 B	55.0	270	270	10,000
Lead	5	284	67.3	13.4	250.0	400	1,000	3,900
Manganese	312 B	424 B	547 B	6.4 B	363 B	2,000	10,000	10,000
Mercury	0.08	1	2.8	0.026 J	0.78	0.81	2.8	5.7
Nickel	10.0	26.6	25.0	26.9	28.4	310	310	10,000
Selenium	0.5 J	0.81 J	0.84 J	0.98 J	4.9 J	180	1,500	6,800
Silver	ND	0.27 J	ND	ND	0.36 J	180	1,500	6,800
Zinc	23.8	221	31.4	63.7	255.0	10,000	10,000	10,000
SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs)								
Acenaphthene	ND	ND	0.086 J	ND	ND	100	500	1,000
Acenaphthylene	ND	0.32 J	ND	ND	ND	100	500	1,000
Anthracene	ND	0.61 J	0.15 J	ND	ND	100	500	1,000
Benzo(a)anthracene	0.092 J	2	0.34	ND	0.056 J	1	5.6	11
Benzo(a)pyrene	0.11 J	2.1	0.29	ND	0.078 J	1	1.1	1.1
Benzo(b)fluoranthene	0.12 J	2.3	0.31	ND	0.072 J	1	5.6	11
Benzo(g,h,i)perylene	0.08 J	1.4	0.17 J	ND	0.073 J	100	500	1,000
Benzo(k)fluoranthene	0.067 J	1.3	0.17 J	ND	0.037 J	3.9	56	110
Chrysene	0.095 J	2.3	0.31	ND	0.037 J	3.9	56	78
Dibenz(a,h)anthracene	ND	0.43 J	0.049 J	ND	0.056 J	0.33	0.56	1.1
Dibenzofuran	ND	0.13 J	0.45 J	ND	ND	Various	Various	Various
Fluoranthene	0.24	4.9	0.80	ND	0.13 J	100	500	1,000
Fluorene	ND	0.2 J	0.072	ND	ND	100	500	1,000
Indeno(1,2,3-cd)pyrene	0.077 J	1.3	0.17 J	ND	0.064 J	0.5	5.6	11
Naphthalene	ND	ND	ND	ND	ND	100	500	1,000
Phenanthrene	0.16 J	2.9	0.72	ND	0.096 J	100	500	1,000
Pyrene	0.16 J	3.6	0.58	ND	0.12 J	100	500	1,000
VOLATILE ORGANIC COMPOUNDS (VOCs)								
VOCs	ND	ND	ND	ND	ND	Various	Various	Various
TENTATIVELY IDENTIFIED COMPOUNDS (TICs)								
Unknown	0.38 T J	ND	0.34 T J	ND	18 T J	Various	Various	Various
Unknown	0.16 T J	ND	0.23 T J	ND	0.74 T J	Various	Various	Various
Unknown	0.16 T J	ND	0.18 T J	ND	0.2 T J	Various	Various	Various
Unknown	0.21 T J	1.1 T J	ND	ND	ND	Various	Various	Various
9,10-Anthracenedione	ND	0.88 T J N	ND	ND	ND	Various	Various	Various
Perylene	ND	1.5	ND	ND	ND	Various	Various	Various
Benzo(e)pyrene	ND	ND	0.23 T J	ND	ND	Various	Various	Various

ND Analyte not detected
- Not Applicable or sample not tested for this analyte
J Estimated Concentration
B Anaalyte detected in method blank
K Result is reported as Benzo(b)fluoranthene
E Results exceeded calibration range
T Result is Tentatively Identifies Compound and an estimated value

Analyte detected
Reported concentration greater than or equal to the NYSI
Reported concentration greater than or equal to the NYSI
Reported concentration greater than or equal to the NYSI

February 2024

Robert Whalen Apartments, Albany, New York

Table 1 / Page 2 of 2

TABLE 2
SUMMARY OF GROUNDWATER RESULTS

Parameter Tested	Sample Identification, Approximate Groundwater Depth Below Top of Casing, and Sample Date		NYSDEC TOGS 1.1.1 GA
	MW-1	MW-2	
	24' 2/8/2024	20' 2/8/2024	
METALS			
Arsenic	370	370	25
Barium	5,100	4,500	1,000
Beryllium	40	43	3
Cadmium	7.7 J	12	5
Chromium	900	1,200	50
Copper	2,300	1,600	200
Manganese	27,600 B	38,100	300
Mercury	98	9.1	0.7
Nickel	1,600	1,800	100
Lead	15,500	2,800	25
Selenium	61 J	61 J	10
Silver	42	39	50
Zinc	4900	4,000 B	2000
Semi-Volatile Organic Compounds (SVOCs)			
Phenol	0.5	0.63 J	1
Volatile Organic Compounds (VOCs)			
Acetone	6.2 J	10	50
Methyl-ethyl Ketone (MEK)	ND	1.3 J	50

Notes: All units in micrograms per liter (µg/L)

NYSDEC New York State Department of Environmental Conservation

TOGS Technical and Operational Guidance Series

500 Analyte exceeds NYSDEC TOGS guidance value

APPENDICES

FIELD ACTIVITY SUMMARY



DAILY FIELD REPORT

Date:	Thursday, February 8, 2024
Site Name:	Robert Whalen Apartments
Location:	275, 285, 295, 305, 315 and 325 Colonie Street, Albany, NY
Contractor/Sub-Contractor:	Atlantic Testing Laboratories
Weather Conditions:	Sunny 40 °F Wind: N 1 mph
<u>Description of Work Performed:</u> Arrived on-site at 305 Robert Whalen Apartments to perform subsurface investigation. 12 soil borings performed (B-1 through B-12) and two temporary monitoring wells installed (MW-1 and MW-2) in B-1 and B-2 locations, respectively. Refusal was observed in B-12 at 2.5 feet bgs. Two layer of asphalt and two layers of subbase observed. Fill depths vary across the site ranging from 1 to 12 feet bgs. Native soils consist of 11 soil samples were collected and analysed for metals, SVOCs, VOCs and TICs. 2 groundwater samples were collected and analyzed for metals, SVOCs, VOCs and TICs.	
Problems/Observations:	
Health and Safety Concerns:	None.
Contractor Work Force:	ATL: 1 Operator
Contractor Equipment:	ATL: Truck mounted geoprobe
Attachments:	
Inspectors Name:	Jacob Cox



1. View of B-1 location, looking northwest



2. View of B-1 location, looking northeast



3. View of B-1 soil cores



4. View of MW-1 at B-1 location, looking southeast



5. View of B-2/MW-2 location, looking northwest



6. View of B-2/MW-2 location, looking southeast.



7. View of B-2 soil cores



8. View of B-3 location, looking northeast



9. View of B-3 location, looking southwest.



10. View of B-3 soil cores



11. View of B-4 location, looking southeast



12. View of B-4 location, looking northwest.



13. View of B-4 soil cores



14. View of B-5 location, looking northwest



15. View of B-5 location, looking north



16. View of B-5 soil cores



17. View of B-6 location, looking northwest



18. View of B-6 location, looking northeast



19. View of B-6 soil cores



20. View of B-7, looking northwest



21. View of B-7 looking northeast.



22. View of B-8 looking northeast.



23. View of B-8 looking northwest



24. View of B-8 soil cores.



25. View of B-12 location looking northwest.



26. View of B-12 location looking southwest.



27. View of B-9 location looking north.



28. View of B-9 location looking northwest.



29. View of B-9 soil cores.



30. View of B-10 location looking west.



31. View of B-10 location looking east.



32. View of B-10 soil cores.



33. View of B-11 location looking northwest.



34. View of B-11 location looking southwest.



BORING LOGS

Geoprobe Bore Hole Log



Project:			Robert Whalen Apartments		
Client:	Albany Housing Authority		Location:	275,285, 295, 305, 315, and 325 Colonie Street, Albany, NY	
Contractor:	Atlantic Testing Laboratories		Ground Elevation:	Approximately 174 ft	
Date Started:	2/8/2024		Equipment Model:	Truck-Mounted Geoprobe	
Date Completed:	2/8/2024		Geologist/Technician:	Jacob Cox	
Operator:	Jake Crary		Ground Water:	24 ft	
Bore Hole Number:	B-1/MW-1		Depth to Bedrock:	N/A	
Depth (ft)	Sample		REC	PID (ppm)	Description
	NO	TYPE			
0				0.0	0-0.2' - Vegetation
1				0.0	0.2-1' - Brown silty top soil, some coarse gravel
					1-1.5' - Brick
2				0.0	1.5-2.5' - Brown silty clay, dry
3	1	G			
4					
5				0.0	2.5-5' - Black cinder, ash, brick, various debris, fill
6					
7					
8				0.0	5-8' - Brown-grey clayey silt, some black cinder, ash, brick, various debris, fill
					Slight weathered petroleum odor, moist
9					
10					
11					
12					
13					
14					
15					
16				0.0	8-16' - Grey clayey silt, black streaks, very moist, soft
17					
18					
19					
20					
21					
22					
23					
24				0.0	16-24' - Grey clayey silt, black streaks, wet
Comments: No PID readings. Temporary well set at 24' bgs with a 5' screen. Soil sample collected at 2.5-4.5' bgs for metals, SVOCs, VOCs, and TICs Groundwater sample collected for SVOCs, VOCs, and TICs Native soil observed at approximately 8' bgs					

Geoprobe Bore Hole Log



Project:		Robert Whalen Apartments	
Client:	Albany Housing Authority	Location:	275,285, 295, 305, 315, and 325 Colonie Street, Albany, NY
Contractor:	Atlantic Testing Laboratories	Ground Elevation:	Approximately 174 ft
Date Started:	2/8/2024	Equipment Model:	Truck-Mounted Geoprobe
Date Completed:	2/8/2024	Geologist/Technician:	Jacob Cox
Operator:	Jake Crary	Ground Water:	20 ft
Bore Hole Number:	B-2/MW-2	Depth to Bedrock:	N/A

Depth (ft)	Sample		REC	PID (ppm)	Description
	NO	TYPE			
0				0.0	0-0.2' - Vegetation
1					
2					
3	1	G			
4					
5				0.0	0.2-5' - Brown silty top soil, some coarse gravel, roots and organics
6					
7					
8				0.0	5-8' - Brown-grey clayey silt, some brick, grey streaks, moist
9					
10				0.0	8-10' - Brown-grey clayey silt, grey streaks, some coarse quartz rock; Native
11					
12				0.0	10-12' - Dark brown clayey silt, stiff
13					
14					
15					
16				0.0	12-16' - Grey clayey silt, black streaks, very moist, soft
17					
18					
19					
20				0.0	16-20' - Grey clayey silt, very wet and soft

Comments:
 No PID readings.
 Temporary well set at 20' bgs with a 5' screen.
 Soil sample collected at 2-4' bgs for metals, SVOCs, VOCs, and TICs
 Groundwater sample collected for metals, SVOCs, VOCs, and TICs
 Native soil observed at approximately 8' bgs

Geoprobe Bore Hole Log



Project:			Robert Whalen Apartments		
Client:		Albany Housing Authority	Location:		275,285, 295, 305, 315, and 325 Colonie Street, Albany, NY
Contractor:		Atlantic Testing Laboratories	Ground Elevation:		Approximately 174 ft
Date Started:		2/8/2024	Equipment Model:		Truck-Mounted Geoprobe
Date Completed:		2/8/2024	Geologist/Technician:		Jacob Cox
Operator:		Jake Crary	Ground Water:		8ft
Bore Hole Number:		B-3	Depth to Bedrock:		N/A

Depth (ft)	Sample		REC	PID (ppm)	Description
	NO	TYPE			
0				0.0	0-0.5' - Asphalt
1					
2	1	G		0.0	0.5-2' - Silty brown medium corase sand, some coarse gravel
3					
4					
5				0.0	2-5' - Brown silty clay, some brick/ceramic and cinder, black streaking slightly moist
6					
7					
8				0.0	5-8' - Brown-grey clayey silt, moist and soft; Native
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Comments:
 No PID readings.
 Soil sample collected at 2-4' bgs for metals, SVOCs, VOCs, and TICs
 Native soil observed at approximately 5' bgs

Geoprobe Bore Hole Log



Project:			Robert Whalen Apartments		
Client:	Albany Housing Authority		Location:	275,285, 295, 305, 315, and 325 Colonie Street, Albany, NY	
Contractor:	Atlantic Testing Laboratories		Ground Elevation:	Approximately 174 ft	
Date Started:	2/8/2024		Equipment Model:	Truck-Mounted Geoprobe	
Date Completed:	2/8/2024		Geologist/Technician:	Jacob Cox	
Operator:	Jake Crary		Ground Water:	10 ft	
Bore Hole Number:	B-4		Depth to Bedrock:	N/A	

Depth (ft)	Sample		REC	PID (ppm)	Description
	NO	TYPE			
0				0.0	0-0.2' - Vegetation
1					
2					
3				0.0	0.5-3' - Silty brown top soil, roots and organics; some rock and debris glass, black cinder
4					
5					
6	1	G		0.0	3-6 - Brown clayey silty coarse sand, stiff
7					
8			0.0	6-8' - Grey clayey silt, black cinder, ash, glass, brick	
9					
10					8-10' - Grey clayey silt, some black cinder, ash, glass, brick
11					
12					10-12' - Grey clayey silt, wet
13					
14					
15					
16					
17					
18					
19					
20					

Comments:
 No PID readings.
 Soil sample collected at 6-8' bgs for metals, SVOCs, VOCs, and TICs
 Native soil observed at approximately 8' bgs

Geoprobe Bore Hole Log



Project:			Robert Whalen Apartments		
Client:	Albany Housing Authority		Location:	275,285, 295, 305, 315, and 325 Colonie Street, Albany, NY	
Contractor:	Atlantic Testing Laboratories		Ground Elevation:	Approximately 174 ft	
Date Started:	2/8/2024		Equipment Model:	Truck-Mounted Geoprobe	
Date Completed:	2/8/2024		Geologist/Technician:	Jacob Cox	
Operator:	Jake Crary		Ground Water:	N/A	
Bore Hole Number:	B-5		Depth to Bedrock:	N/A	

Depth (ft)	Sample		REC	PID (ppm)	Description
	NO	TYPE			
0				0.0	0-0.2' - Vegetation
1	1	G			
2				0.0	0.2-2' - Silty brown top soil, roots and organics; some rock and debris glass, black streaks
3					
4				0.0	2-4' - Black and tan fine to coarse sand
5					
6					
7					
8				0.0	4-8' - Black and tan fine to coarse sand, some silt
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Comments:
 No PID readings.
 Soil sample collected at 1-2' bgs for metals, SVOCs, VOCs, and TICs
 Native soil observed at approximately 4' bgs

Geoprobe Bore Hole Log



Project:			Robert Whalen Apartments		
Client:	Albany Housing Authority		Location:	275,285, 295, 305, 315, and 325 Colonie Street, Albany, NY	
Contractor:	Atlantic Testing Laboratories		Ground Elevation:	Approximately 174 ft	
Date Started:	2/8/2024		Equipment Model:	Truck-Mounted Geoprobe	
Date Completed:	2/8/2024		Geologist/Technician:	Jacob Cox	
Operator:	Jake Crary		Ground Water:	N/A	
Bore Hole Number:	B-6		Depth to Bedrock:	N/A	

Depth (ft)	Sample		REC	PID (ppm)	Description
	NO	TYPE			
0				0.0	0-0.5' - Asphalt
1					
2					
3	1	G		0.0	0.5-3' - Brown coarse sand, orange streaks
4				0.0	3-4' - Grey to Black clayey silt, slight industrial odor
5					
6					
7					
8				0.0	4-8' - Grey clayey silt, wet;
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Comments:
 No PID readings.
 Soil sample collected at 3-4' bgs for metals, SVOCs, VOCs, and TICs
 Native soil observed at approximately 4' bgs

Geoprobe Bore Hole Log



Project:			Robert Whalen Apartments		
Client:	Albany Housing Authority		Location:	275,285, 295, 305, 315, and 325 Colonie Street, Albany, NY	
Contractor:	Atlantic Testing Laboratories		Ground Elevation:	Approximately 174 ft	
Date Started:	2/8/2024		Equipment Model:	Truck-Mounted Geoprobe	
Date Completed:	2/8/2024		Geologist/Technician:	Jacob Cox	
Operator:	Jake Crary		Ground Water:	N/A	
Bore Hole Number:	B-7		Depth to Bedrock:	N/A	

Depth (ft)	Sample		REC	PID (ppm)	Description
	NO	TYPE			
0				0.0	0-0.2' - Vegetation
1	1	G			
2				0.0	0.5-2' - Brown -black sandy topsoil, trace clay,
3					
4				0.0	2-4' - Brown coarse sand with debris, black and orange
5					
6				0.0	4-6' - Brown coarse sand
7					
8				0.0	6-8' - Brown clayey silt, wet;
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Comments:
 No PID readings.
 Soil sample collected at 1-2' bgs for metals, SVOCs, VOCs, and TICs
 Native soil observed at approximately 6' bgs

Geoprobe Bore Hole Log



Project:			Robert Whalen Apartments		
Client:	Albany Housing Authority		Location:	275,285, 295, 305, 315, and 325 Colonie Street, Albany, NY	
Contractor:	Atlantic Testing Laboratories		Ground Elevation:	Approximately 174 ft	
Date Started:	2/8/2024		Equipment Model:	Truck-Mounted Geoprobe	
Date Completed:	2/8/2024		Geologist/Technician:	Jacob Cox	
Operator:	Jake Crary		Ground Water:	N/A	
Bore Hole Number:	B-8		Depth to Bedrock:	N/A	

Depth (ft)	Sample		REC	PID (ppm)	Description
	NO	TYPE			
0				0.0	0-0.2' - Vegetation
1				0.0	0.5-1' - Brown silty top soil
2	1	G			
3					
4					
4			0.0	1-4' - Brown silty top soil, black cinder, ash glass rock, refusal at 4.5 feet	
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Comments:
 No PID readings.
 Soil sample collected at 2-4' bgs for metals, SVOCs, VOCs, and TICs
 refusal at 4.5'

Geoprobe Bore Hole Log



Project:			Robert Whalen Apartments		
Client:	Albany Housing Authority		Location:	275,285, 295, 305, 315, and 325 Colonie Street, Albany, NY	
Contractor:	Atlantic Testing Laboratories		Ground Elevation:	Approximately 174 ft	
Date Started:	2/8/2024		Equipment Model:	Truck-Mounted Geoprobe	
Date Completed:	2/8/2024		Geologist/Technician:	Jacob Cox	
Operator:	Jake Crary		Ground Water:	N/A	
Bore Hole Number:	B-9		Depth to Bedrock:	N/A	

Depth (ft)	Sample		REC	PID (ppm)	Description
	NO	TYPE			
0				0.0	0-0.2' - Vegetation
1	1	G		0.0	0.5-1' - Brown silty top soil
2					
3			0.0	1-2.5' - Brown silty top soil, black cinder, ash glass rock, 2.5-3' - Brown silty sand	
4			0.0	3-4' - Brown silty top soil, black cinder, ash glass rock, refusal at 4 feet	
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Comments:
 No PID readings.
 Soil sample collected at 1-3' bgs for metals, SVOCs, VOCs, and TICs
 refusal at 4'

Geoprobe Bore Hole Log



Project:			Robert Whalen Apartments		
Client:	Albany Housing Authority		Location:	275,285, 295, 305, 315, and 325 Colonie Street, Albany, NY	
Contractor:	Atlantic Testing Laboratories		Ground Elevation:	Approximately 174 ft	
Date Started:	2/8/2024		Equipment Model:	Truck-Mounted Geoprobe	
Date Completed:	2/8/2024		Geologist/Technician:	Jacob Cox	
Operator:	Jake Crary		Ground Water:	N/A	
Bore Hole Number:	B-10		Depth to Bedrock:	N/A	

Depth (ft)	Sample		REC	PID (ppm)	Description
	NO	TYPE			
0				0.0	0-0.2' - Vegetation
1	1	G		0.0	0.5-1' - Brown silty top soil
2					
3					
4				0.0	1-4' - Brown to grey clayey silt
5					
6					
7					
8				0.0	4-8' - Brown to grey clayey silt, soft wet
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Comments:
 No PID readings.
 Soil sample collected at 1-2' bgs for metals, SVOCs, VOCs, and TICs
 Native material observed at 2' bgs

Geoprobe Bore Hole Log



Project:			Robert Whalen Apartments		
Client:	Albany Housing Authority		Location:	275,285, 295, 305, 315, and 325 Colonie Street, Albany, NY	
Contractor:	Atlantic Testing Laboratories		Ground Elevation:	Approximately 174 ft	
Date Started:	2/8/2024		Equipment Model:	Truck-Mounted Geoprobe	
Date Completed:	2/8/2024		Geologist/Technician:	Jacob Cox	
Operator:	Jake Crary		Ground Water:	N/A	
Bore Hole Number:	B-11		Depth to Bedrock:	N/A	

Depth (ft)	Sample		REC	PID (ppm)	Description
	NO	TYPE			
0				0.0	0-0.5' - Asphalt
1					
2	1	G		0.0	0.5-2' - Rock subbase
3				0.0	2-3' - Black cinder, brick, fill
4				0.0	3-4' - Brown fine to coarse sand, some silt, moist
5					
6					
7					
8				0.0	4-8' - Brown fine to coarse sand, some silt, moist
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Comments:
 No PID readings.
 Soil sample collected at 2-3' bgs for metals, SVOCs, VOCs, and TICs
 Native material observed at 3' bgs

Geoprobe Bore Hole Log



Project:			Robert Whalen Apartments		
Client:	Albany Housing Authority		Location:	275,285, 295, 305, 315, and 325 Colonie Street, Albany, NY	
Contractor:	Atlantic Testing Laboratories		Ground Elevation:	Approximately 174 ft	
Date Started:	2/8/2024		Equipment Model:	Truck-Mounted Geoprobe	
Date Completed:	2/8/2024		Geologist/Technician:	Jacob Cox	
Operator:	Jake Crary		Ground Water:	N/A	
Bore Hole Number:	B-12		Depth to Bedrock:	N/A	

Depth (ft)	Sample		REC	PID (ppm)	Description
	NO	TYPE			
0				0.0	0-0.5' - Asphalt
1				0.0	0.5-1' - Rock subbase
				0.0	1-1.5' - Asphalt
2				0.0	1.5-2.5' - Rock subbase
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Comments:
 No PID readings.
 No sample collect.
 Refusal at 2.5' bgs

LABORATORY DATA

ANALYTICAL REPORT

PREPARED FOR

Attn: Jason Brydges
Brydges Engineering in Environment & Energy DPC
960 Busti Ave
Suite B-150
Buffalo, New York 14213

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JOB DESCRIPTION

Colonie - Albany Soil & Groundwater

JOB NUMBER

480-216958-1

Eurofins Buffalo

Job Notes

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Definitions/Glossary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
vs	Reported analyte concentrations are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035A-L low-level specifications.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent

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Definitions/Glossary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Brydges Engineering in Environment & Energy DPC
Project: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Job ID: 480-216958-1

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Job Narrative 480-216958-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 2/9/2024 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.3°C.

GC/MS VOA

Method 8260C: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed within the 7-day holding time specified for unpreserved samples: MW-2 (480-216958-13).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-700440 and analytical batch 480-700441 recovered outside control limits for the following analytes: 1,1,1-Trichloroethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: B-11 (2-3`) (480-216958-1), B-1 (2.5-4.5`) (480-216958-2), B-2 (4-5`) (480-216958-3) and B-3 (2-4`) (480-216958-4).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-700562 recovered above the upper control limit for 1,1,1-Trichloroethane, 1,1-Dichloroethene, Carbon tetrachloride, trans-1,2-Dichloroethene and Trichloroethene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B-4 (6-8`) (480-216958-5), B-5 (1-2`) (480-216958-6), B-6 (3-4`) (480-216958-7), B-7 (1-2`) (480-216958-8), B-8 (2-4`) (480-216958-9), B-9 (1-3`) (480-216958-10) and B-10 (1-2`) (480-216958-11).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-700755 recovered outside acceptance criteria, low biased, for Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270D: The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 480-700755 was outside criteria for the following analyte(s): Pentachlorophenol. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered estimated.

Method 8270D: The following samples were diluted due to color, appearance, and viscosity: B-3 (2-4`) (480-216958-4), B-5 (1-2`) (480-216958-6) and B-8 (2-4`) (480-216958-9). Elevated reporting limits (RL) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

Method 6010C: The following samples were diluted due to the nature of the sample matrix: MW-1 (480-216958-12) and MW-2 (480-216958-13). Elevated reporting limits (RLs) are provided.

Method 6010C: The following samples were diluted due to the presence of Iron which interferes with Silver: MW-1 (480-216958-12) and MW-2 (480-216958-13). Elevated reporting limits (RLs) are provided.

Method 7470A: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples(s): MW-1 (480-216958-12) and MW-2 (480-216958-13). This was demonstrated when the potassium

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Case Narrative

Client: Brydges Engineering in Environment & Energy DPC
Project: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Job ID: 480-216958-1 (Continued)

Eurofins Buffalo

permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample(s) was prepared and analyzed at a 1/6 dilution, which maintained the purple color during digestion.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-11 (2-3`)

Lab Sample ID: 480-216958-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	56	J	250	25	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	78	J	250	36	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	72	J	250	39	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene	73	J	250	26	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene	37	J	250	32	ug/Kg	1	✱	8270D	Total/NA
Chrysene	56	J	250	55	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	130	J	250	26	ug/Kg	1	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	64	J	250	31	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene	96	J	250	36	ug/Kg	1	✱	8270D	Total/NA
Pyrene	120	J	250	29	ug/Kg	1	✱	8270D	Total/NA
Arsenic	31.1		3.0	0.61	mg/Kg	1	✱	6010C	Total/NA
Barium	72.4		0.76	0.17	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.94		0.30	0.042	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.39		0.30	0.045	mg/Kg	1	✱	6010C	Total/NA
Chromium	20.0		0.76	0.30	mg/Kg	1	✱	6010C	Total/NA
Copper	55.0		1.5	0.32	mg/Kg	1	✱	6010C	Total/NA
Lead	250		1.5	0.36	mg/Kg	1	✱	6010C	Total/NA
Manganese	363	B	0.30	0.048	mg/Kg	1	✱	6010C	Total/NA
Nickel	28.4		7.6	0.35	mg/Kg	1	✱	6010C	Total/NA
Selenium	4.9	J	6.1	0.61	mg/Kg	1	✱	6010C	Total/NA
Silver	0.36	J	0.91	0.30	mg/Kg	1	✱	6010C	Total/NA
Zinc	255		3.0	0.97	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.78		0.027	0.0061	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: B-1 (2.5-4.5`)

Lab Sample ID: 480-216958-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	68	J	230	23	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	83	J	230	33	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	85	J	230	36	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene	69	J	230	24	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene	39	J	230	29	ug/Kg	1	✱	8270D	Total/NA
Chrysene	78	J	230	50	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	140	J	230	24	ug/Kg	1	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	63	J	230	28	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene	94	J	230	33	ug/Kg	1	✱	8270D	Total/NA
Pyrene	140	J	230	26	ug/Kg	1	✱	8270D	Total/NA
Arsenic	7.2		2.6	0.52	mg/Kg	1	✱	6010C	Total/NA
Barium	55.2		0.65	0.14	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.54		0.26	0.036	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.12	J	0.26	0.039	mg/Kg	1	✱	6010C	Total/NA
Chromium	13.3		0.65	0.26	mg/Kg	1	✱	6010C	Total/NA
Copper	17.4		1.3	0.27	mg/Kg	1	✱	6010C	Total/NA
Lead	286		1.3	0.31	mg/Kg	1	✱	6010C	Total/NA
Manganese	274	B	0.26	0.041	mg/Kg	1	✱	6010C	Total/NA
Nickel	17.3		6.5	0.30	mg/Kg	1	✱	6010C	Total/NA
Selenium	0.69	J	5.2	0.52	mg/Kg	1	✱	6010C	Total/NA
Zinc	52.2		2.6	0.83	mg/Kg	1	✱	6010C	Total/NA
Mercury	3.6		0.12	0.029	mg/Kg	5	✱	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-2 (4-5`)

Lab Sample ID: 480-216958-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	36	J	210	21	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	44	J	210	31	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	51	J	210	33	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene	26	J	210	22	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	72	J	210	22	ug/Kg	1	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	32	J	210	26	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene	45	J	210	31	ug/Kg	1	✱	8270D	Total/NA
Pyrene	73	J	210	24	ug/Kg	1	✱	8270D	Total/NA
Arsenic	5.5		2.4	0.47	mg/Kg	1	✱	6010C	Total/NA
Barium	85.1		0.59	0.13	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.75		0.24	0.033	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.17	J	0.24	0.035	mg/Kg	1	✱	6010C	Total/NA
Chromium	15.8		0.59	0.24	mg/Kg	1	✱	6010C	Total/NA
Copper	21.2		1.2	0.25	mg/Kg	1	✱	6010C	Total/NA
Lead	85.5		1.2	0.28	mg/Kg	1	✱	6010C	Total/NA
Manganese	453	B	0.24	0.038	mg/Kg	1	✱	6010C	Total/NA
Nickel	22.2		5.9	0.27	mg/Kg	1	✱	6010C	Total/NA
Selenium	0.59	J	4.7	0.47	mg/Kg	1	✱	6010C	Total/NA
Zinc	79.7		2.4	0.76	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.63		0.022	0.0052	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: B-3 (2-4`)

Lab Sample ID: 480-216958-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	3.4	J vs	5.3	1.0	ug/Kg	1	✱	8260C	Total/NA
1,3,5-Trimethylbenzene	0.90	J vs	5.3	0.34	ug/Kg	1	✱	8260C	Total/NA
Ethylbenzene	0.99	J vs	5.3	0.36	ug/Kg	1	✱	8260C	Total/NA
Xylenes, Total	7.1	J vs	11	0.89	ug/Kg	1	✱	8260C	Total/NA
Benzo[a]pyrene	290	J	1800	270	ug/Kg	10	✱	8270D	Total/NA
Benzo[b]fluoranthene	300	J	1800	290	ug/Kg	10	✱	8270D	Total/NA
Benzo[g,h,i]perylene	200	J	1800	190	ug/Kg	10	✱	8270D	Total/NA
Fluoranthene	550	J	1800	190	ug/Kg	10	✱	8270D	Total/NA
Phenanthrene	270	J	1800	270	ug/Kg	10	✱	8270D	Total/NA
Pyrene	390	J	1800	210	ug/Kg	10	✱	8270D	Total/NA
Arsenic	5.5		2.2	0.45	mg/Kg	1	✱	6010C	Total/NA
Barium	123		0.56	0.12	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.89		0.22	0.031	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.12	J	0.22	0.034	mg/Kg	1	✱	6010C	Total/NA
Chromium	17.5		0.56	0.22	mg/Kg	1	✱	6010C	Total/NA
Copper	19.6		1.1	0.24	mg/Kg	1	✱	6010C	Total/NA
Lead	76.1		1.1	0.27	mg/Kg	1	✱	6010C	Total/NA
Manganese	381	B	0.22	0.036	mg/Kg	1	✱	6010C	Total/NA
Nickel	23.5		5.6	0.26	mg/Kg	1	✱	6010C	Total/NA
Selenium	0.66	J	4.5	0.45	mg/Kg	1	✱	6010C	Total/NA
Zinc	73.7		2.2	0.72	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.13		0.022	0.0050	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: B-4 (6-8`)

Lab Sample ID: 480-216958-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	280		280	41	ug/Kg	1	✱	8270D	Total/NA
Acenaphthylene	61	J	280	36	ug/Kg	1	✱	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-4 (6-8`) (Continued)

Lab Sample ID: 480-216958-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	820		280	68	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]anthracene	2500		280	28	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	2300		280	41	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	2500		280	44	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene	1400		280	29	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene	1100		280	36	ug/Kg	1	✱	8270D	Total/NA
Chrysene	2500		280	62	ug/Kg	1	✱	8270D	Total/NA
Dibenz(a,h)anthracene	450		280	49	ug/Kg	1	✱	8270D	Total/NA
Dibenzofuran	250	J	280	32	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	5900		280	29	ug/Kg	1	✱	8270D	Total/NA
Fluorene	390		280	32	ug/Kg	1	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1400		280	34	ug/Kg	1	✱	8270D	Total/NA
Naphthalene	180	J	280	36	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene	4900		280	41	ug/Kg	1	✱	8270D	Total/NA
Pyrene	4300		280	32	ug/Kg	1	✱	8270D	Total/NA
Arsenic	15.9		3.5	0.69	mg/Kg	1	✱	6010C	Total/NA
Barium	220		0.86	0.19	mg/Kg	1	✱	6010C	Total/NA
Beryllium	1.3		0.35	0.048	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.42		0.35	0.052	mg/Kg	1	✱	6010C	Total/NA
Chromium	24.3		0.86	0.35	mg/Kg	1	✱	6010C	Total/NA
Copper	124		1.7	0.36	mg/Kg	1	✱	6010C	Total/NA
Lead	1290		1.7	0.41	mg/Kg	1	✱	6010C	Total/NA
Manganese	117	B	0.35	0.055	mg/Kg	1	✱	6010C	Total/NA
Nickel	28.3		8.6	0.40	mg/Kg	1	✱	6010C	Total/NA
Selenium	2.9	J	6.9	0.69	mg/Kg	1	✱	6010C	Total/NA
Silver	1.1		1.0	0.35	mg/Kg	1	✱	6010C	Total/NA
Zinc	264		3.5	1.1	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.58		0.029	0.0068	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: B-5 (1-2`)

Lab Sample ID: 480-216958-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	380	J	1900	200	ug/Kg	10	✱	8270D	Total/NA
Pyrene	240	J	1900	230	ug/Kg	10	✱	8270D	Total/NA
Arsenic	6.0		2.2	0.44	mg/Kg	1	✱	6010C	Total/NA
Barium	69.8		0.55	0.12	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.71		0.22	0.031	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.13	J	0.22	0.033	mg/Kg	1	✱	6010C	Total/NA
Chromium	19.0		0.55	0.22	mg/Kg	1	✱	6010C	Total/NA
Copper	27.3		1.1	0.23	mg/Kg	1	✱	6010C	Total/NA
Lead	12.0		1.1	0.27	mg/Kg	1	✱	6010C	Total/NA
Manganese	543	B	0.22	0.035	mg/Kg	1	✱	6010C	Total/NA
Nickel	27.0		5.5	0.25	mg/Kg	1	✱	6010C	Total/NA
Selenium	0.80	J	4.4	0.44	mg/Kg	1	✱	6010C	Total/NA
Silver	0.22	J	0.66	0.22	mg/Kg	1	✱	6010C	Total/NA
Zinc	72.8		2.2	0.71	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.31		0.021	0.0049	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: B-6 (3-4`)

Lab Sample ID: 480-216958-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	29	J	200	22	ug/Kg	1	✱	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-6 (3-4`) (Continued)

Lab Sample ID: 480-216958-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	4.9		2.4	0.49	mg/Kg	1		✱	6010C	Total/NA
Barium	37.5		0.61	0.13	mg/Kg	1		✱	6010C	Total/NA
Beryllium	0.55		0.24	0.034	mg/Kg	1		✱	6010C	Total/NA
Cadmium	0.14	J	0.24	0.037	mg/Kg	1		✱	6010C	Total/NA
Chromium	13.0		0.61	0.24	mg/Kg	1		✱	6010C	Total/NA
Copper	24.6		1.2	0.26	mg/Kg	1		✱	6010C	Total/NA
Lead	24.9		1.2	0.29	mg/Kg	1		✱	6010C	Total/NA
Manganese	550	B	0.24	0.039	mg/Kg	1		✱	6010C	Total/NA
Nickel	21.0		6.1	0.28	mg/Kg	1		✱	6010C	Total/NA
Selenium	1.2	J	4.9	0.49	mg/Kg	1		✱	6010C	Total/NA
Zinc	46.2		2.4	0.78	mg/Kg	1		✱	6010C	Total/NA
Mercury	0.028		0.025	0.0057	mg/Kg	1		✱	7471B	Total/NA

Client Sample ID: B-7 (1-2`)

Lab Sample ID: 480-216958-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzo[a]anthracene	92	J	200	20	ug/Kg	1		✱	8270D	Total/NA
Benzo[a]pyrene	110	J	200	29	ug/Kg	1		✱	8270D	Total/NA
Benzo[b]fluoranthene	120	J	200	31	ug/Kg	1		✱	8270D	Total/NA
Benzo[g,h,i]perylene	80	J	200	21	ug/Kg	1		✱	8270D	Total/NA
Benzo[k]fluoranthene	67	J	200	25	ug/Kg	1		✱	8270D	Total/NA
Chrysene	95	J	200	44	ug/Kg	1		✱	8270D	Total/NA
Fluoranthene	240		200	21	ug/Kg	1		✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	77	J	200	24	ug/Kg	1		✱	8270D	Total/NA
Phenanthrene	160	J	200	29	ug/Kg	1		✱	8270D	Total/NA
Pyrene	160	J	200	23	ug/Kg	1		✱	8270D	Total/NA
Arsenic	3.0		2.4	0.47	mg/Kg	1		✱	6010C	Total/NA
Barium	22.9		0.59	0.13	mg/Kg	1		✱	6010C	Total/NA
Beryllium	0.30		0.24	0.033	mg/Kg	1		✱	6010C	Total/NA
Cadmium	0.087	J	0.24	0.035	mg/Kg	1		✱	6010C	Total/NA
Chromium	7.4		0.59	0.24	mg/Kg	1		✱	6010C	Total/NA
Copper	11.2		1.2	0.25	mg/Kg	1		✱	6010C	Total/NA
Lead	5.2		1.2	0.28	mg/Kg	1		✱	6010C	Total/NA
Manganese	312	B	0.24	0.038	mg/Kg	1		✱	6010C	Total/NA
Nickel	10.0		5.9	0.27	mg/Kg	1		✱	6010C	Total/NA
Selenium	0.50	J	4.7	0.47	mg/Kg	1		✱	6010C	Total/NA
Zinc	23.8		2.4	0.75	mg/Kg	1		✱	6010C	Total/NA
Mercury	0.083		0.023	0.0053	mg/Kg	1		✱	7471B	Total/NA

Client Sample ID: B-8 (2-4`)

Lab Sample ID: 480-216958-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acenaphthylene	320	J	1100	140	ug/Kg	5		✱	8270D	Total/NA
Anthracene	610	J	1100	260	ug/Kg	5		✱	8270D	Total/NA
Benzo[a]anthracene	2000		1100	110	ug/Kg	5		✱	8270D	Total/NA
Benzo[a]pyrene	2100		1100	160	ug/Kg	5		✱	8270D	Total/NA
Benzo[b]fluoranthene	2300		1100	170	ug/Kg	5		✱	8270D	Total/NA
Benzo[g,h,i]perylene	1400		1100	110	ug/Kg	5		✱	8270D	Total/NA
Benzo[k]fluoranthene	1300		1100	140	ug/Kg	5		✱	8270D	Total/NA
Chrysene	2300		1100	240	ug/Kg	5		✱	8270D	Total/NA
Dibenz(a,h)anthracene	430	J	1100	190	ug/Kg	5		✱	8270D	Total/NA
Dibenzofuran	130	J	1100	130	ug/Kg	5		✱	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-8 (2-4') (Continued)

Lab Sample ID: 480-216958-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	4900		1100	110	ug/Kg	5	✱	8270D	Total/NA
Fluorene	200	J	1100	130	ug/Kg	5	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1300		1100	130	ug/Kg	5	✱	8270D	Total/NA
Phenanthrene	2900		1100	160	ug/Kg	5	✱	8270D	Total/NA
Pyrene	3600		1100	130	ug/Kg	5	✱	8270D	Total/NA
Arsenic	7.6		2.5	0.50	mg/Kg	1	✱	6010C	Total/NA
Barium	119		0.62	0.14	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.79		0.25	0.035	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.34		0.25	0.037	mg/Kg	1	✱	6010C	Total/NA
Chromium	16.6		0.62	0.25	mg/Kg	1	✱	6010C	Total/NA
Copper	70.7		1.2	0.26	mg/Kg	1	✱	6010C	Total/NA
Lead	284		1.2	0.30	mg/Kg	1	✱	6010C	Total/NA
Manganese	424	B	0.25	0.040	mg/Kg	1	✱	6010C	Total/NA
Nickel	26.6		6.2	0.29	mg/Kg	1	✱	6010C	Total/NA
Selenium	0.81	J	5.0	0.50	mg/Kg	1	✱	6010C	Total/NA
Silver	0.27	J	0.75	0.25	mg/Kg	1	✱	6010C	Total/NA
Zinc	221		2.5	0.80	mg/Kg	1	✱	6010C	Total/NA
Mercury	1.0		0.026	0.0059	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: B-9 (1-3')

Lab Sample ID: 480-216958-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	86	J	210	31	ug/Kg	1	✱	8270D	Total/NA
Anthracene	150	J	210	52	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]anthracene	340		210	21	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	290		210	31	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	310		210	33	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene	170	J	210	22	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene	170	J	210	27	ug/Kg	1	✱	8270D	Total/NA
Chrysene	310		210	47	ug/Kg	1	✱	8270D	Total/NA
Dibenz(a,h)anthracene	49	J	210	37	ug/Kg	1	✱	8270D	Total/NA
Dibenzofuran	45	J	210	25	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	800		210	22	ug/Kg	1	✱	8270D	Total/NA
Fluorene	72	J	210	25	ug/Kg	1	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	170	J	210	26	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene	720		210	31	ug/Kg	1	✱	8270D	Total/NA
Pyrene	580		210	25	ug/Kg	1	✱	8270D	Total/NA
Arsenic	6.8		2.6	0.53	mg/Kg	1	✱	6010C	Total/NA
Barium	86.1		0.66	0.15	mg/Kg	1	✱	6010C	Total/NA
Beryllium	1.3		0.26	0.037	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.17	J	0.26	0.040	mg/Kg	1	✱	6010C	Total/NA
Chromium	18.4		0.66	0.26	mg/Kg	1	✱	6010C	Total/NA
Copper	46.2		1.3	0.28	mg/Kg	1	✱	6010C	Total/NA
Lead	67.3		1.3	0.32	mg/Kg	1	✱	6010C	Total/NA
Manganese	547	B	0.26	0.042	mg/Kg	1	✱	6010C	Total/NA
Nickel	25.0		6.6	0.30	mg/Kg	1	✱	6010C	Total/NA
Selenium	0.84	J	5.3	0.53	mg/Kg	1	✱	6010C	Total/NA
Zinc	31.4		2.6	0.85	mg/Kg	1	✱	6010C	Total/NA
Mercury	2.8		0.13	0.030	mg/Kg	5	✱	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-10 (1-2`)

Lab Sample ID: 480-216958-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.8		2.9	0.57	mg/Kg	1	✱	6010C	Total/NA
Barium	131		0.71	0.16	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.91		0.29	0.040	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.15	J	0.29	0.043	mg/Kg	1	✱	6010C	Total/NA
Chromium	18.8		0.71	0.29	mg/Kg	1	✱	6010C	Total/NA
Copper	22.3	B	1.4	0.30	mg/Kg	1	✱	6010C	Total/NA
Lead	13.4		1.4	0.34	mg/Kg	1	✱	6010C	Total/NA
Manganese	604	B	0.29	0.046	mg/Kg	1	✱	6010C	Total/NA
Nickel	26.9		7.1	0.33	mg/Kg	1	✱	6010C	Total/NA
Selenium	0.98	J	5.7	0.57	mg/Kg	1	✱	6010C	Total/NA
Zinc	63.7		2.9	0.91	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.026	J	0.028	0.0065	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: MW-1

Lab Sample ID: 480-216958-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.2	J	10	3.0	ug/L	1		8260C	Total/NA
Phenol	0.50	J	5.2	0.41	ug/L	1		8270D	Total/NA
Silver	0.042		0.030	0.0085	mg/L	5		6010C	Total/NA
Arsenic	0.37		0.075	0.028	mg/L	5		6010C	Total/NA
Barium	5.1		0.010	0.0035	mg/L	5		6010C	Total/NA
Beryllium	0.040		0.010	0.0015	mg/L	5		6010C	Total/NA
Cadmium	0.0077	J	0.010	0.0025	mg/L	5		6010C	Total/NA
Chromium	0.90		0.020	0.0050	mg/L	5		6010C	Total/NA
Copper	2.3		0.050	0.0080	mg/L	5		6010C	Total/NA
Manganese	27.6	B	0.015	0.0020	mg/L	5		6010C	Total/NA
Nickel	1.6		0.010	0.0013	mg/L	1		6010C	Total/NA
Lead	15.5		0.010	0.0030	mg/L	1		6010C	Total/NA
Selenium	0.061	J	0.13	0.044	mg/L	5		6010C	Total/NA
Zinc	4.9	B	0.050	0.0075	mg/L	5		6010C	Total/NA
Mercury	0.098		0.0012	0.00026	mg/L	1		7470A	Total/NA

Client Sample ID: MW-2

Lab Sample ID: 480-216958-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	1.3	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	10		10	3.0	ug/L	1		8260C	Total/NA
Phenol	0.63	J	5.7	0.44	ug/L	1		8270D	Total/NA
Silver	0.039		0.030	0.0085	mg/L	5		6010C	Total/NA
Arsenic	0.37		0.075	0.028	mg/L	5		6010C	Total/NA
Barium	4.5		0.010	0.0035	mg/L	5		6010C	Total/NA
Beryllium	0.043		0.010	0.0015	mg/L	5		6010C	Total/NA
Cadmium	0.012		0.010	0.0025	mg/L	5		6010C	Total/NA
Chromium	1.2		0.020	0.0050	mg/L	5		6010C	Total/NA
Copper	1.6		0.050	0.0080	mg/L	5		6010C	Total/NA
Manganese	38.1	B	0.015	0.0020	mg/L	5		6010C	Total/NA
Nickel	1.8		0.010	0.0013	mg/L	1		6010C	Total/NA
Lead	2.8		0.010	0.0030	mg/L	1		6010C	Total/NA
Selenium	0.061	J	0.13	0.044	mg/L	5		6010C	Total/NA
Zinc	4.0	B	0.050	0.0075	mg/L	5		6010C	Total/NA
Mercury	0.0091		0.0012	0.00026	mg/L	1		7470A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-11 (2-3`)

Lab Sample ID: 480-216958-1

Date Collected: 02/08/24 15:30

Matrix: Solid

Date Received: 02/09/24 09:45

Percent Solids: 68.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	7.1	U vs **	7.1	0.51	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
1,1-Dichloroethane	7.1	U vs	7.1	0.86	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
1,1-Dichloroethene	7.1	U vs	7.1	0.86	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
1,2,4-Trimethylbenzene	7.1	U vs	7.1	1.4	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
1,2-Dichlorobenzene	7.1	U vs	7.1	0.55	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
1,2-Dichloroethane	7.1	U vs	7.1	0.35	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
1,3,5-Trimethylbenzene	7.1	U vs	7.1	0.45	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
1,3-Dichlorobenzene	7.1	U vs	7.1	0.36	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
1,4-Dichlorobenzene	7.1	U vs	7.1	0.99	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
1,4-Dioxane	140	U vs	140	31	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
2-Butanone (MEK)	35	U vs	35	2.6	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
Acetone	35	U vs	35	5.9	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
Benzene	7.1	U vs	7.1	0.35	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
Carbon tetrachloride	7.1	U vs	7.1	0.68	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
Chlorobenzene	7.1	U vs	7.1	0.93	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
Chloroform	7.1	U vs	7.1	0.44	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
cis-1,2-Dichloroethene	7.1	U vs	7.1	0.90	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
Ethylbenzene	7.1	U vs	7.1	0.49	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
Methyl tert-butyl ether	7.1	U vs	7.1	0.69	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
Methylene Chloride	7.1	U vs	7.1	3.2	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
n-Butylbenzene	7.1	U vs	7.1	0.61	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
N-Propylbenzene	7.1	U vs	7.1	0.56	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
sec-Butylbenzene	7.1	U vs	7.1	0.61	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
tert-Butylbenzene	7.1	U vs	7.1	0.73	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
Tetrachloroethene	7.1	U vs	7.1	0.95	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
Toluene	7.1	U vs	7.1	0.53	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
trans-1,2-Dichloroethene	7.1	U vs	7.1	0.73	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
Trichloroethene	7.1	U vs	7.1	1.6	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
Vinyl chloride	7.1	U vs	7.1	0.86	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1
Xylenes, Total	14	U vs	14	1.2	ug/Kg	☆	02/11/24 07:25	02/11/24 18:29	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☆		N/A	02/11/24 07:25	02/11/24 18:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		64 - 126	02/11/24 07:25	02/11/24 18:29	1
4-Bromofluorobenzene (Surr)	107		72 - 126	02/11/24 07:25	02/11/24 18:29	1
Dibromofluoromethane (Surr)	115		60 - 140	02/11/24 07:25	02/11/24 18:29	1
Toluene-d8 (Surr)	93		71 - 125	02/11/24 07:25	02/11/24 18:29	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	150	U	150	80	ug/Kg	☆	02/13/24 08:34	02/14/24 13:58	1
2-Methylphenol	250	U	250	29	ug/Kg	☆	02/13/24 08:34	02/14/24 13:58	1
3-Methylphenol	480	U	480	38	ug/Kg	☆	02/13/24 08:34	02/14/24 13:58	1
4-Methylphenol	480	U	480	29	ug/Kg	☆	02/13/24 08:34	02/14/24 13:58	1
Acenaphthene	250	U	250	36	ug/Kg	☆	02/13/24 08:34	02/14/24 13:58	1
Acenaphthylene	250	U	250	32	ug/Kg	☆	02/13/24 08:34	02/14/24 13:58	1
Anthracene	250	U	250	61	ug/Kg	☆	02/13/24 08:34	02/14/24 13:58	1
Benzo[a]anthracene	56	J	250	25	ug/Kg	☆	02/13/24 08:34	02/14/24 13:58	1

Eurofins Buffalo

Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-11 (2-3`)

Lab Sample ID: 480-216958-1

Date Collected: 02/08/24 15:30

Matrix: Solid

Date Received: 02/09/24 09:45

Percent Solids: 68.6

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	78	J	250	36	ug/Kg	☆	02/13/24 08:34	02/14/24 13:58	1
Benzo[b]fluoranthene	72	J	250	39	ug/Kg	☆	02/13/24 08:34	02/14/24 13:58	1
Benzo[g,h,i]perylene	73	J	250	26	ug/Kg	☆	02/13/24 08:34	02/14/24 13:58	1
Benzo[k]fluoranthene	37	J	250	32	ug/Kg	☆	02/13/24 08:34	02/14/24 13:58	1
Chrysene	56	J	250	55	ug/Kg	☆	02/13/24 08:34	02/14/24 13:58	1
Dibenz(a,h)anthracene	250	U	250	44	ug/Kg	☆	02/13/24 08:34	02/14/24 13:58	1
Dibenzofuran	250	U	250	29	ug/Kg	☆	02/13/24 08:34	02/14/24 13:58	1
Fluoranthene	130	J	250	26	ug/Kg	☆	02/13/24 08:34	02/14/24 13:58	1
Fluorene	250	U	250	29	ug/Kg	☆	02/13/24 08:34	02/14/24 13:58	1
Hexachlorobenzene	250	U	250	33	ug/Kg	☆	02/13/24 08:34	02/14/24 13:58	1
Indeno[1,2,3-cd]pyrene	64	J	250	31	ug/Kg	☆	02/13/24 08:34	02/14/24 13:58	1
Naphthalene	250	U	250	32	ug/Kg	☆	02/13/24 08:34	02/14/24 13:58	1
Pentachlorophenol	480	U	480	250	ug/Kg	☆	02/13/24 08:34	02/14/24 13:58	1
Phenanthrene	96	J	250	36	ug/Kg	☆	02/13/24 08:34	02/14/24 13:58	1
Phenol	250	U	250	38	ug/Kg	☆	02/13/24 08:34	02/14/24 13:58	1
Pyrene	120	J	250	29	ug/Kg	☆	02/13/24 08:34	02/14/24 13:58	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	18000	T J	ug/Kg	☆	2.02	N/A	02/13/24 08:34	02/14/24 13:58	1
Unknown	740	T J	ug/Kg	☆	3.43	N/A	02/13/24 08:34	02/14/24 13:58	1
Unknown	200	T J	ug/Kg	☆	16.61	N/A	02/13/24 08:34	02/14/24 13:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	93		54 - 120	02/13/24 08:34	02/14/24 13:58	1
2-Fluorobiphenyl (Surr)	84		60 - 120	02/13/24 08:34	02/14/24 13:58	1
2-Fluorophenol (Surr)	78		52 - 120	02/13/24 08:34	02/14/24 13:58	1
Nitrobenzene-d5 (Surr)	78		53 - 120	02/13/24 08:34	02/14/24 13:58	1
Phenol-d5 (Surr)	83		54 - 120	02/13/24 08:34	02/14/24 13:58	1
p-Terphenyl-d14 (Surr)	97		79 - 130	02/13/24 08:34	02/14/24 13:58	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	31.1		3.0	0.61	mg/Kg	☆	02/13/24 11:21	02/14/24 21:10	1
Barium	72.4		0.76	0.17	mg/Kg	☆	02/13/24 11:21	02/14/24 21:10	1
Beryllium	0.94		0.30	0.042	mg/Kg	☆	02/13/24 11:21	02/14/24 21:10	1
Cadmium	0.39		0.30	0.045	mg/Kg	☆	02/13/24 11:21	02/14/24 21:10	1
Chromium	20.0		0.76	0.30	mg/Kg	☆	02/13/24 11:21	02/14/24 21:10	1
Copper	55.0		1.5	0.32	mg/Kg	☆	02/13/24 11:21	02/15/24 16:34	1
Lead	250		1.5	0.36	mg/Kg	☆	02/13/24 11:21	02/14/24 21:10	1
Manganese	363	B	0.30	0.048	mg/Kg	☆	02/13/24 11:21	02/14/24 21:10	1
Nickel	28.4		7.6	0.35	mg/Kg	☆	02/13/24 11:21	02/14/24 21:10	1
Selenium	4.9	J	6.1	0.61	mg/Kg	☆	02/13/24 11:21	02/14/24 21:10	1
Silver	0.36	J	0.91	0.30	mg/Kg	☆	02/13/24 11:21	02/14/24 21:10	1
Zinc	255		3.0	0.97	mg/Kg	☆	02/13/24 11:21	02/14/24 21:10	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.78		0.027	0.0061	mg/Kg	☆	02/15/24 10:45	02/15/24 13:13	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-1 (2.5-4.5')

Lab Sample ID: 480-216958-2

Date Collected: 02/08/24 08:30

Matrix: Solid

Date Received: 02/09/24 09:45

Percent Solids: 74.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	6.5	U vs **	6.5	0.47	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
1,1-Dichloroethane	6.5	U vs	6.5	0.80	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
1,1-Dichloroethene	6.5	U vs	6.5	0.80	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
1,2,4-Trimethylbenzene	6.5	U vs	6.5	1.3	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
1,2-Dichlorobenzene	6.5	U vs	6.5	0.51	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
1,2-Dichloroethane	6.5	U vs	6.5	0.33	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
1,3,5-Trimethylbenzene	6.5	U vs	6.5	0.42	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
1,3-Dichlorobenzene	6.5	U vs	6.5	0.34	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
1,4-Dichlorobenzene	6.5	U vs	6.5	0.91	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
1,4-Dioxane	130	U vs	130	28	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
2-Butanone (MEK)	33	U vs	33	2.4	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
Acetone	33	U vs	33	5.5	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
Benzene	6.5	U vs	6.5	0.32	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
Carbon tetrachloride	6.5	U vs	6.5	0.63	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
Chlorobenzene	6.5	U vs	6.5	0.86	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
Chloroform	6.5	U vs	6.5	0.40	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
cis-1,2-Dichloroethene	6.5	U vs	6.5	0.84	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
Ethylbenzene	6.5	U vs	6.5	0.45	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
Methyl tert-butyl ether	6.5	U vs	6.5	0.64	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
Methylene Chloride	6.5	U vs	6.5	3.0	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
n-Butylbenzene	6.5	U vs	6.5	0.57	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
N-Propylbenzene	6.5	U vs	6.5	0.52	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
sec-Butylbenzene	6.5	U vs	6.5	0.57	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
tert-Butylbenzene	6.5	U vs	6.5	0.68	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
Tetrachloroethene	6.5	U vs	6.5	0.88	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
Toluene	6.5	U vs	6.5	0.49	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
trans-1,2-Dichloroethene	6.5	U vs	6.5	0.67	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
Trichloroethene	6.5	U vs	6.5	1.4	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
Vinyl chloride	6.5	U vs	6.5	0.80	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1
Xylenes, Total	13	U vs	13	1.1	ug/Kg	☆	02/11/24 07:25	02/11/24 18:54	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☆		N/A	02/11/24 07:25	02/11/24 18:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		64 - 126	02/11/24 07:25	02/11/24 18:54	1
4-Bromofluorobenzene (Surr)	104		72 - 126	02/11/24 07:25	02/11/24 18:54	1
Dibromofluoromethane (Surr)	112		60 - 140	02/11/24 07:25	02/11/24 18:54	1
Toluene-d8 (Surr)	94		71 - 125	02/11/24 07:25	02/11/24 18:54	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	130	U	130	73	ug/Kg	☆	02/13/24 08:34	02/14/24 14:23	1
2-Methylphenol	230	U	230	26	ug/Kg	☆	02/13/24 08:34	02/14/24 14:23	1
3-Methylphenol	440	U	440	34	ug/Kg	☆	02/13/24 08:34	02/14/24 14:23	1
4-Methylphenol	440	U	440	26	ug/Kg	☆	02/13/24 08:34	02/14/24 14:23	1
Acenaphthene	230	U	230	33	ug/Kg	☆	02/13/24 08:34	02/14/24 14:23	1
Acenaphthylene	230	U	230	29	ug/Kg	☆	02/13/24 08:34	02/14/24 14:23	1
Anthracene	230	U	230	56	ug/Kg	☆	02/13/24 08:34	02/14/24 14:23	1
Benzo[a]anthracene	68	J	230	23	ug/Kg	☆	02/13/24 08:34	02/14/24 14:23	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-1 (2.5-4.5')

Lab Sample ID: 480-216958-2

Date Collected: 02/08/24 08:30

Matrix: Solid

Date Received: 02/09/24 09:45

Percent Solids: 74.6

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	83	J	230	33	ug/Kg	✱	02/13/24 08:34	02/14/24 14:23	1
Benzo[b]fluoranthene	85	J	230	36	ug/Kg	✱	02/13/24 08:34	02/14/24 14:23	1
Benzo[g,h,i]perylene	69	J	230	24	ug/Kg	✱	02/13/24 08:34	02/14/24 14:23	1
Benzo[k]fluoranthene	39	J	230	29	ug/Kg	✱	02/13/24 08:34	02/14/24 14:23	1
Chrysene	78	J	230	50	ug/Kg	✱	02/13/24 08:34	02/14/24 14:23	1
Dibenz(a,h)anthracene	230	U	230	40	ug/Kg	✱	02/13/24 08:34	02/14/24 14:23	1
Dibenzofuran	230	U	230	26	ug/Kg	✱	02/13/24 08:34	02/14/24 14:23	1
Fluoranthene	140	J	230	24	ug/Kg	✱	02/13/24 08:34	02/14/24 14:23	1
Fluorene	230	U	230	26	ug/Kg	✱	02/13/24 08:34	02/14/24 14:23	1
Hexachlorobenzene	230	U	230	30	ug/Kg	✱	02/13/24 08:34	02/14/24 14:23	1
Indeno[1,2,3-cd]pyrene	63	J	230	28	ug/Kg	✱	02/13/24 08:34	02/14/24 14:23	1
Naphthalene	230	U	230	29	ug/Kg	✱	02/13/24 08:34	02/14/24 14:23	1
Pentachlorophenol	440	U	440	230	ug/Kg	✱	02/13/24 08:34	02/14/24 14:23	1
Phenanthrene	94	J	230	33	ug/Kg	✱	02/13/24 08:34	02/14/24 14:23	1
Phenol	230	U	230	34	ug/Kg	✱	02/13/24 08:34	02/14/24 14:23	1
Pyrene	140	J	230	26	ug/Kg	✱	02/13/24 08:34	02/14/24 14:23	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	7100	T J	ug/Kg	✱	1.95	N/A	02/13/24 08:34	02/14/24 14:23	1
Unknown	690	T J	ug/Kg	✱	3.43	N/A	02/13/24 08:34	02/14/24 14:23	1
Unknown	200	T J	ug/Kg	✱	13.68	N/A	02/13/24 08:34	02/14/24 14:23	1
Unknown	340	T J	ug/Kg	✱	16.73	N/A	02/13/24 08:34	02/14/24 14:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	84		54 - 120	02/13/24 08:34	02/14/24 14:23	1
2-Fluorobiphenyl (Surr)	82		60 - 120	02/13/24 08:34	02/14/24 14:23	1
2-Fluorophenol (Surr)	76		52 - 120	02/13/24 08:34	02/14/24 14:23	1
Nitrobenzene-d5 (Surr)	77		53 - 120	02/13/24 08:34	02/14/24 14:23	1
Phenol-d5 (Surr)	79		54 - 120	02/13/24 08:34	02/14/24 14:23	1
p-Terphenyl-d14 (Surr)	109		79 - 130	02/13/24 08:34	02/14/24 14:23	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.2		2.6	0.52	mg/Kg	✱	02/13/24 11:21	02/14/24 21:13	1
Barium	55.2		0.65	0.14	mg/Kg	✱	02/13/24 11:21	02/14/24 21:13	1
Beryllium	0.54		0.26	0.036	mg/Kg	✱	02/13/24 11:21	02/14/24 21:13	1
Cadmium	0.12	J	0.26	0.039	mg/Kg	✱	02/13/24 11:21	02/14/24 21:13	1
Chromium	13.3		0.65	0.26	mg/Kg	✱	02/13/24 11:21	02/14/24 21:13	1
Copper	17.4		1.3	0.27	mg/Kg	✱	02/13/24 11:21	02/15/24 16:37	1
Lead	286		1.3	0.31	mg/Kg	✱	02/13/24 11:21	02/14/24 21:13	1
Manganese	274	B	0.26	0.041	mg/Kg	✱	02/13/24 11:21	02/14/24 21:13	1
Nickel	17.3		6.5	0.30	mg/Kg	✱	02/13/24 11:21	02/14/24 21:13	1
Selenium	0.69	J	5.2	0.52	mg/Kg	✱	02/13/24 11:21	02/14/24 21:13	1
Silver	0.78	U	0.78	0.26	mg/Kg	✱	02/13/24 11:21	02/14/24 21:13	1
Zinc	52.2		2.6	0.83	mg/Kg	✱	02/13/24 11:21	02/14/24 21:13	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	3.6		0.12	0.029	mg/Kg	✱	02/15/24 10:45	02/15/24 15:38	5

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-2 (4-5')

Lab Sample ID: 480-216958-3

Date Collected: 02/08/24 10:30

Matrix: Solid

Date Received: 02/09/24 09:45

Percent Solids: 81.2

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	6.0	U vs **	6.0	0.43	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
1,1-Dichloroethane	6.0	U vs	6.0	0.73	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
1,1-Dichloroethene	6.0	U vs	6.0	0.73	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
1,2,4-Trimethylbenzene	6.0	U vs	6.0	1.1	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
1,2-Dichlorobenzene	6.0	U vs	6.0	0.47	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
1,2-Dichloroethane	6.0	U vs	6.0	0.30	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
1,3,5-Trimethylbenzene	6.0	U vs	6.0	0.38	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
1,3-Dichlorobenzene	6.0	U vs	6.0	0.31	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
1,4-Dichlorobenzene	6.0	U vs	6.0	0.84	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
1,4-Dioxane	120	U vs	120	26	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
2-Butanone (MEK)	30	U vs	30	2.2	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
Acetone	30	U vs	30	5.0	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
Benzene	6.0	U vs	6.0	0.29	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
Carbon tetrachloride	6.0	U vs	6.0	0.58	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
Chlorobenzene	6.0	U vs	6.0	0.79	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
Chloroform	6.0	U vs	6.0	0.37	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
cis-1,2-Dichloroethene	6.0	U vs	6.0	0.76	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
Ethylbenzene	6.0	U vs	6.0	0.41	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
Methyl tert-butyl ether	6.0	U vs	6.0	0.59	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
Methylene Chloride	6.0	U vs	6.0	2.7	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
n-Butylbenzene	6.0	U vs	6.0	0.52	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
N-Propylbenzene	6.0	U vs	6.0	0.48	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
sec-Butylbenzene	6.0	U vs	6.0	0.52	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
tert-Butylbenzene	6.0	U vs	6.0	0.62	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
Tetrachloroethene	6.0	U vs	6.0	0.80	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
Toluene	6.0	U vs	6.0	0.45	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
trans-1,2-Dichloroethene	6.0	U vs	6.0	0.62	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
Trichloroethene	6.0	U vs	6.0	1.3	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
Vinyl chloride	6.0	U vs	6.0	0.73	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1
Xylenes, Total	12	U vs	12	1.0	ug/Kg	☆	02/11/24 07:25	02/11/24 19:19	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☆		N/A	02/11/24 07:25	02/11/24 19:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		64 - 126	02/11/24 07:25	02/11/24 19:19	1
4-Bromofluorobenzene (Surr)	105		72 - 126	02/11/24 07:25	02/11/24 19:19	1
Dibromofluoromethane (Surr)	110		60 - 140	02/11/24 07:25	02/11/24 19:19	1
Toluene-d8 (Surr)	92		71 - 125	02/11/24 07:25	02/11/24 19:19	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	120	U	120	67	ug/Kg	☆	02/13/24 08:34	02/14/24 14:47	1
2-Methylphenol	210	U	210	24	ug/Kg	☆	02/13/24 08:34	02/14/24 14:47	1
3-Methylphenol	400	U	400	32	ug/Kg	☆	02/13/24 08:34	02/14/24 14:47	1
4-Methylphenol	400	U	400	24	ug/Kg	☆	02/13/24 08:34	02/14/24 14:47	1
Acenaphthene	210	U	210	31	ug/Kg	☆	02/13/24 08:34	02/14/24 14:47	1
Acenaphthylene	210	U	210	27	ug/Kg	☆	02/13/24 08:34	02/14/24 14:47	1
Anthracene	210	U	210	51	ug/Kg	☆	02/13/24 08:34	02/14/24 14:47	1
Benzo[a]anthracene	36	J	210	21	ug/Kg	☆	02/13/24 08:34	02/14/24 14:47	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-2 (4-5')

Lab Sample ID: 480-216958-3

Date Collected: 02/08/24 10:30

Matrix: Solid

Date Received: 02/09/24 09:45

Percent Solids: 81.2

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	44	J	210	31	ug/Kg	✱	02/13/24 08:34	02/14/24 14:47	1
Benzo[b]fluoranthene	51	J	210	33	ug/Kg	✱	02/13/24 08:34	02/14/24 14:47	1
Benzo[g,h,i]perylene	26	J	210	22	ug/Kg	✱	02/13/24 08:34	02/14/24 14:47	1
Benzo[k]fluoranthene	210	U	210	27	ug/Kg	✱	02/13/24 08:34	02/14/24 14:47	1
Chrysene	210	U	210	46	ug/Kg	✱	02/13/24 08:34	02/14/24 14:47	1
Dibenz(a,h)anthracene	210	U	210	37	ug/Kg	✱	02/13/24 08:34	02/14/24 14:47	1
Dibenzofuran	210	U	210	24	ug/Kg	✱	02/13/24 08:34	02/14/24 14:47	1
Fluoranthene	72	J	210	22	ug/Kg	✱	02/13/24 08:34	02/14/24 14:47	1
Fluorene	210	U	210	24	ug/Kg	✱	02/13/24 08:34	02/14/24 14:47	1
Hexachlorobenzene	210	U	210	28	ug/Kg	✱	02/13/24 08:34	02/14/24 14:47	1
Indeno[1,2,3-cd]pyrene	32	J	210	26	ug/Kg	✱	02/13/24 08:34	02/14/24 14:47	1
Naphthalene	210	U	210	27	ug/Kg	✱	02/13/24 08:34	02/14/24 14:47	1
Pentachlorophenol	400	U	400	210	ug/Kg	✱	02/13/24 08:34	02/14/24 14:47	1
Phenanthrene	45	J	210	31	ug/Kg	✱	02/13/24 08:34	02/14/24 14:47	1
Phenol	210	U	210	32	ug/Kg	✱	02/13/24 08:34	02/14/24 14:47	1
Pyrene	73	J	210	24	ug/Kg	✱	02/13/24 08:34	02/14/24 14:47	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	870	T J	ug/Kg	✱	1.84	N/A	02/13/24 08:34	02/14/24 14:47	1
Unknown	650	T J	ug/Kg	✱	3.43	N/A	02/13/24 08:34	02/14/24 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	88		54 - 120	02/13/24 08:34	02/14/24 14:47	1
2-Fluorobiphenyl (Surr)	89		60 - 120	02/13/24 08:34	02/14/24 14:47	1
2-Fluorophenol (Surr)	81		52 - 120	02/13/24 08:34	02/14/24 14:47	1
Nitrobenzene-d5 (Surr)	84		53 - 120	02/13/24 08:34	02/14/24 14:47	1
Phenol-d5 (Surr)	88		54 - 120	02/13/24 08:34	02/14/24 14:47	1
p-Terphenyl-d14 (Surr)	110		79 - 130	02/13/24 08:34	02/14/24 14:47	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.5		2.4	0.47	mg/Kg	✱	02/13/24 11:21	02/14/24 21:17	1
Barium	85.1		0.59	0.13	mg/Kg	✱	02/13/24 11:21	02/14/24 21:17	1
Beryllium	0.75		0.24	0.033	mg/Kg	✱	02/13/24 11:21	02/14/24 21:17	1
Cadmium	0.17	J	0.24	0.035	mg/Kg	✱	02/13/24 11:21	02/14/24 21:17	1
Chromium	15.8		0.59	0.24	mg/Kg	✱	02/13/24 11:21	02/14/24 21:17	1
Copper	21.2		1.2	0.25	mg/Kg	✱	02/13/24 11:21	02/15/24 16:41	1
Lead	85.5		1.2	0.28	mg/Kg	✱	02/13/24 11:21	02/14/24 21:17	1
Manganese	453	B	0.24	0.038	mg/Kg	✱	02/13/24 11:21	02/14/24 21:17	1
Nickel	22.2		5.9	0.27	mg/Kg	✱	02/13/24 11:21	02/14/24 21:17	1
Selenium	0.59	J	4.7	0.47	mg/Kg	✱	02/13/24 11:21	02/14/24 21:17	1
Silver	0.71	U	0.71	0.24	mg/Kg	✱	02/13/24 11:21	02/14/24 21:17	1
Zinc	79.7		2.4	0.76	mg/Kg	✱	02/13/24 11:21	02/14/24 21:17	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.63		0.022	0.0052	mg/Kg	✱	02/15/24 10:45	02/15/24 13:20	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-3 (2-4`)

Lab Sample ID: 480-216958-4

Date Collected: 02/08/24 11:50

Matrix: Solid

Date Received: 02/09/24 09:45

Percent Solids: 93.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.3	U vs **	5.3	0.38	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
1,1-Dichloroethane	5.3	U vs	5.3	0.64	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
1,1-Dichloroethene	5.3	U vs	5.3	0.65	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
1,2,4-Trimethylbenzene	3.4	J vs	5.3	1.0	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
1,2-Dichlorobenzene	5.3	U vs	5.3	0.41	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
1,2-Dichloroethane	5.3	U vs	5.3	0.27	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
1,3,5-Trimethylbenzene	0.90	J vs	5.3	0.34	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
1,3-Dichlorobenzene	5.3	U vs	5.3	0.27	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
1,4-Dichlorobenzene	5.3	U vs	5.3	0.74	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
1,4-Dioxane	110	U vs	110	23	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
2-Butanone (MEK)	26	U vs	26	1.9	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
Acetone	26	U vs	26	4.4	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
Benzene	5.3	U vs	5.3	0.26	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
Carbon tetrachloride	5.3	U vs	5.3	0.51	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
Chlorobenzene	5.3	U vs	5.3	0.70	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
Chloroform	5.3	U vs	5.3	0.33	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
cis-1,2-Dichloroethene	5.3	U vs	5.3	0.68	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
Ethylbenzene	0.99	J vs	5.3	0.36	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
Methyl tert-butyl ether	5.3	U vs	5.3	0.52	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
Methylene Chloride	5.3	U vs	5.3	2.4	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
n-Butylbenzene	5.3	U vs	5.3	0.46	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
N-Propylbenzene	5.3	U vs	5.3	0.42	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
sec-Butylbenzene	5.3	U vs	5.3	0.46	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
tert-Butylbenzene	5.3	U vs	5.3	0.55	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
Tetrachloroethene	5.3	U vs	5.3	0.71	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
Toluene	5.3	U vs	5.3	0.40	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
trans-1,2-Dichloroethene	5.3	U vs	5.3	0.54	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
Trichloroethene	5.3	U vs	5.3	1.2	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
Vinyl chloride	5.3	U vs	5.3	0.64	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1
Xylenes, Total	7.1	J vs	11	0.89	ug/Kg	☼	02/11/24 07:25	02/11/24 19:43	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	4.0	J	ug/Kg	☼	8.45	179601-23-1	02/11/24 07:25	02/11/24 19:43	1
o-Xylene	3.1	J	ug/Kg	☼	8.88	95-47-6	02/11/24 07:25	02/11/24 19:43	1
Tentatively Identified Compound	None		ug/Kg	☼		N/A	02/11/24 07:25	02/11/24 19:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		64 - 126	02/11/24 07:25	02/11/24 19:43	1
4-Bromofluorobenzene (Surr)	105		72 - 126	02/11/24 07:25	02/11/24 19:43	1
Dibromofluoromethane (Surr)	110		60 - 140	02/11/24 07:25	02/11/24 19:43	1
Toluene-d8 (Surr)	92		71 - 125	02/11/24 07:25	02/11/24 19:43	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1100	U	1100	590	ug/Kg	☼	02/13/24 08:34	02/14/24 15:12	10
2-Methylphenol	1800	U	1800	210	ug/Kg	☼	02/13/24 08:34	02/14/24 15:12	10
3-Methylphenol	3500	U	3500	280	ug/Kg	☼	02/13/24 08:34	02/14/24 15:12	10
4-Methylphenol	3500	U	3500	210	ug/Kg	☼	02/13/24 08:34	02/14/24 15:12	10
Acenaphthene	1800	U	1800	270	ug/Kg	☼	02/13/24 08:34	02/14/24 15:12	10
Acenaphthylene	1800	U	1800	230	ug/Kg	☼	02/13/24 08:34	02/14/24 15:12	10

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-3 (2-4')

Lab Sample ID: 480-216958-4

Date Collected: 02/08/24 11:50

Matrix: Solid

Date Received: 02/09/24 09:45

Percent Solids: 93.0

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	1800	U	1800	450	ug/Kg	✱	02/13/24 08:34	02/14/24 15:12	10
Benzo[a]anthracene	1800	U	1800	180	ug/Kg	✱	02/13/24 08:34	02/14/24 15:12	10
Benzo[a]pyrene	290	J	1800	270	ug/Kg	✱	02/13/24 08:34	02/14/24 15:12	10
Benzo[b]fluoranthene	300	J	1800	290	ug/Kg	✱	02/13/24 08:34	02/14/24 15:12	10
Benzo[g,h,i]perylene	200	J	1800	190	ug/Kg	✱	02/13/24 08:34	02/14/24 15:12	10
Benzo[k]fluoranthene	1800	U	1800	230	ug/Kg	✱	02/13/24 08:34	02/14/24 15:12	10
Chrysene	1800	U	1800	410	ug/Kg	✱	02/13/24 08:34	02/14/24 15:12	10
Dibenz(a,h)anthracene	1800	U	1800	320	ug/Kg	✱	02/13/24 08:34	02/14/24 15:12	10
Dibenzofuran	1800	U	1800	210	ug/Kg	✱	02/13/24 08:34	02/14/24 15:12	10
Fluoranthene	550	J	1800	190	ug/Kg	✱	02/13/24 08:34	02/14/24 15:12	10
Fluorene	1800	U	1800	210	ug/Kg	✱	02/13/24 08:34	02/14/24 15:12	10
Hexachlorobenzene	1800	U	1800	250	ug/Kg	✱	02/13/24 08:34	02/14/24 15:12	10
Indeno[1,2,3-cd]pyrene	1800	U	1800	220	ug/Kg	✱	02/13/24 08:34	02/14/24 15:12	10
Naphthalene	1800	U	1800	230	ug/Kg	✱	02/13/24 08:34	02/14/24 15:12	10
Pentachlorophenol	3500	U	3500	1800	ug/Kg	✱	02/13/24 08:34	02/14/24 15:12	10
Phenanthrene	270	J	1800	270	ug/Kg	✱	02/13/24 08:34	02/14/24 15:12	10
Phenol	1800	U	1800	280	ug/Kg	✱	02/13/24 08:34	02/14/24 15:12	10
Pyrene	390	J	1800	210	ug/Kg	✱	02/13/24 08:34	02/14/24 15:12	10

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	✱		N/A	02/13/24 08:34	02/14/24 15:12	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	102		54 - 120	02/13/24 08:34	02/14/24 15:12	10
2-Fluorobiphenyl (Surr)	94		60 - 120	02/13/24 08:34	02/14/24 15:12	10
2-Fluorophenol (Surr)	88		52 - 120	02/13/24 08:34	02/14/24 15:12	10
Nitrobenzene-d5 (Surr)	84		53 - 120	02/13/24 08:34	02/14/24 15:12	10
Phenol-d5 (Surr)	79		54 - 120	02/13/24 08:34	02/14/24 15:12	10
p-Terphenyl-d14 (Surr)	84		79 - 130	02/13/24 08:34	02/14/24 15:12	10

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.5		2.2	0.45	mg/Kg	✱	02/13/24 11:21	02/14/24 21:20	1
Barium	123		0.56	0.12	mg/Kg	✱	02/13/24 11:21	02/14/24 21:20	1
Beryllium	0.89		0.22	0.031	mg/Kg	✱	02/13/24 11:21	02/14/24 21:20	1
Cadmium	0.12	J	0.22	0.034	mg/Kg	✱	02/13/24 11:21	02/14/24 21:20	1
Chromium	17.5		0.56	0.22	mg/Kg	✱	02/13/24 11:21	02/14/24 21:20	1
Copper	19.6		1.1	0.24	mg/Kg	✱	02/13/24 11:21	02/15/24 16:44	1
Lead	76.1		1.1	0.27	mg/Kg	✱	02/13/24 11:21	02/14/24 21:20	1
Manganese	381	B	0.22	0.036	mg/Kg	✱	02/13/24 11:21	02/14/24 21:20	1
Nickel	23.5		5.6	0.26	mg/Kg	✱	02/13/24 11:21	02/14/24 21:20	1
Selenium	0.66	J	4.5	0.45	mg/Kg	✱	02/13/24 11:21	02/14/24 21:20	1
Silver	0.67	U	0.67	0.22	mg/Kg	✱	02/13/24 11:21	02/14/24 21:20	1
Zinc	73.7		2.2	0.72	mg/Kg	✱	02/13/24 11:21	02/14/24 21:20	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13		0.022	0.0050	mg/Kg	✱	02/15/24 10:45	02/15/24 13:22	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-4 (6-8')

Lab Sample ID: 480-216958-5

Date Collected: 02/08/24 12:15

Matrix: Solid

Date Received: 02/09/24 09:45

Percent Solids: 61.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	8.0	U vs	8.0	0.58	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
1,1-Dichloroethane	8.0	U vs	8.0	0.98	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
1,1-Dichloroethene	8.0	U vs	8.0	0.98	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
1,2,4-Trimethylbenzene	8.0	U vs	8.0	1.5	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
1,2-Dichlorobenzene	8.0	U vs	8.0	0.63	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
1,2-Dichloroethane	8.0	U vs	8.0	0.40	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
1,3,5-Trimethylbenzene	8.0	U vs	8.0	0.52	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
1,3-Dichlorobenzene	8.0	U vs	8.0	0.41	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
1,4-Dichlorobenzene	8.0	U vs	8.0	1.1	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
1,4-Dioxane	160	U vs	160	35	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
2-Butanone (MEK)	40	U vs	40	2.9	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
Acetone	40	U vs	40	6.8	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
Benzene	8.0	U vs	8.0	0.39	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
Carbon tetrachloride	8.0	U vs	8.0	0.78	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
Chlorobenzene	8.0	U vs	8.0	1.1	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
Chloroform	8.0	U vs	8.0	0.50	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
cis-1,2-Dichloroethene	8.0	U vs	8.0	1.0	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
Ethylbenzene	8.0	U vs	8.0	0.55	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
Methyl tert-butyl ether	8.0	U vs	8.0	0.79	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
Methylene Chloride	8.0	U vs	8.0	3.7	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
n-Butylbenzene	8.0	U vs	8.0	0.70	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
N-Propylbenzene	8.0	U vs	8.0	0.64	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
sec-Butylbenzene	8.0	U vs	8.0	0.70	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
tert-Butylbenzene	8.0	U vs	8.0	0.84	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
Tetrachloroethene	8.0	U vs	8.0	1.1	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
Toluene	8.0	U vs	8.0	0.61	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
trans-1,2-Dichloroethene	8.0	U vs	8.0	0.83	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
Trichloroethene	8.0	U vs	8.0	1.8	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
Vinyl chloride	8.0	U vs	8.0	0.98	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1
Xylenes, Total	16	U vs	16	1.3	ug/Kg	☼	02/12/24 17:46	02/12/24 21:42	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	02/12/24 17:46	02/12/24 21:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		64 - 126	02/12/24 17:46	02/12/24 21:42	1
4-Bromofluorobenzene (Surr)	105		72 - 126	02/12/24 17:46	02/12/24 21:42	1
Dibromofluoromethane (Surr)	109		60 - 140	02/12/24 17:46	02/12/24 21:42	1
Toluene-d8 (Surr)	93		71 - 125	02/12/24 17:46	02/12/24 21:42	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	160	U	160	89	ug/Kg	☼	02/13/24 08:34	02/14/24 15:37	1
2-Methylphenol	280	U	280	32	ug/Kg	☼	02/13/24 08:34	02/14/24 15:37	1
3-Methylphenol	540	U	540	42	ug/Kg	☼	02/13/24 08:34	02/14/24 15:37	1
4-Methylphenol	540	U	540	32	ug/Kg	☼	02/13/24 08:34	02/14/24 15:37	1
Acenaphthene	280		280	41	ug/Kg	☼	02/13/24 08:34	02/14/24 15:37	1
Acenaphthylene	61 J		280	36	ug/Kg	☼	02/13/24 08:34	02/14/24 15:37	1
Anthracene	820		280	68	ug/Kg	☼	02/13/24 08:34	02/14/24 15:37	1
Benzo[a]anthracene	2500		280	28	ug/Kg	☼	02/13/24 08:34	02/14/24 15:37	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-4 (6-8`)

Lab Sample ID: 480-216958-5

Date Collected: 02/08/24 12:15

Matrix: Solid

Date Received: 02/09/24 09:45

Percent Solids: 61.0

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	2300		280	41	ug/Kg	☼	02/13/24 08:34	02/14/24 15:37	1
Benzo[b]fluoranthene	2500		280	44	ug/Kg	☼	02/13/24 08:34	02/14/24 15:37	1
Benzo[g,h,i]perylene	1400		280	29	ug/Kg	☼	02/13/24 08:34	02/14/24 15:37	1
Benzo[k]fluoranthene	1100		280	36	ug/Kg	☼	02/13/24 08:34	02/14/24 15:37	1
Chrysene	2500		280	62	ug/Kg	☼	02/13/24 08:34	02/14/24 15:37	1
Dibenz(a,h)anthracene	450		280	49	ug/Kg	☼	02/13/24 08:34	02/14/24 15:37	1
Dibenzofuran	250 J		280	32	ug/Kg	☼	02/13/24 08:34	02/14/24 15:37	1
Fluoranthene	5900		280	29	ug/Kg	☼	02/13/24 08:34	02/14/24 15:37	1
Fluorene	390		280	32	ug/Kg	☼	02/13/24 08:34	02/14/24 15:37	1
Hexachlorobenzene	280 U		280	37	ug/Kg	☼	02/13/24 08:34	02/14/24 15:37	1
Indeno[1,2,3-cd]pyrene	1400		280	34	ug/Kg	☼	02/13/24 08:34	02/14/24 15:37	1
Naphthalene	180 J		280	36	ug/Kg	☼	02/13/24 08:34	02/14/24 15:37	1
Pentachlorophenol	540 U		540	280	ug/Kg	☼	02/13/24 08:34	02/14/24 15:37	1
Phenanthrene	4900		280	41	ug/Kg	☼	02/13/24 08:34	02/14/24 15:37	1
Phenol	280 U		280	42	ug/Kg	☼	02/13/24 08:34	02/14/24 15:37	1
Pyrene	4300		280	32	ug/Kg	☼	02/13/24 08:34	02/14/24 15:37	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	7700	T J	ug/Kg	☼	1.95	N/A	02/13/24 08:34	02/14/24 15:37	1
Unknown	600	T J	ug/Kg	☼	3.43	N/A	02/13/24 08:34	02/14/24 15:37	1
Dibenzothiophene	320	T J N	ug/Kg	☼	10.76	132-65-0	02/13/24 08:34	02/14/24 15:37	1
Carbazole	580	T J N	ug/Kg	☼	11.10	86-74-8	02/13/24 08:34	02/14/24 15:37	1
1H-Cyclopropa[l]phenanthrene, 1a,9b-dihydro-	630	T J N	ug/Kg	☼	11.36	949-41-7	02/13/24 08:34	02/14/24 15:37	1
Anthracene, 2-methyl-	770	T J N	ug/Kg	☼	11.39	613-12-7	02/13/24 08:34	02/14/24 15:37	1
Unknown	1300	T J	ug/Kg	☼	11.46	N/A	02/13/24 08:34	02/14/24 15:37	1
9,10-Anthracenedione	980	T J N	ug/Kg	☼	11.66	84-65-1	02/13/24 08:34	02/14/24 15:37	1
Phenanthrene, 3,6-dimethyl-	400	T J N	ug/Kg	☼	11.87	1576-67-6	02/13/24 08:34	02/14/24 15:37	1
Unknown	360	T J	ug/Kg	☼	11.91	N/A	02/13/24 08:34	02/14/24 15:37	1
Cyclopenta(def)phenanthrenone	380	T J N	ug/Kg	☼	11.94	5737-13-3	02/13/24 08:34	02/14/24 15:37	1
7H-Benzo[c]fluorene	360	T J N	ug/Kg	☼	12.50	205-12-9	02/13/24 08:34	02/14/24 15:37	1
Unknown	300	T J	ug/Kg	☼	14.00	N/A	02/13/24 08:34	02/14/24 15:37	1
Perylene	350	T J N	ug/Kg	☼	14.19	198-55-0	02/13/24 08:34	02/14/24 15:37	1
Benzo[e]pyrene	1200	T J N	ug/Kg	☼	14.33	192-97-2	02/13/24 08:34	02/14/24 15:37	1
Unknown	300	T J	ug/Kg	☼	15.42	N/A	02/13/24 08:34	02/14/24 15:37	1
Pentaphene	510	T J N	ug/Kg	☼	15.45	222-93-5	02/13/24 08:34	02/14/24 15:37	1
Dibenzo[def,mno]chrysene	460	T J N	ug/Kg	☼	15.70	191-26-4	02/13/24 08:34	02/14/24 15:37	1
1,2:3,4-Dibenzopyrene	510	T J N	ug/Kg	☼	16.78	191-30-0	02/13/24 08:34	02/14/24 15:37	1
Pregnan-20-one, (5.alpha.)-	350	T J N	ug/Kg	☼	16.87	848-62-4	02/13/24 08:34	02/14/24 15:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	87		54 - 120	02/13/24 08:34	02/14/24 15:37	1
2-Fluorobiphenyl (Surr)	80		60 - 120	02/13/24 08:34	02/14/24 15:37	1
2-Fluorophenol (Surr)	64		52 - 120	02/13/24 08:34	02/14/24 15:37	1
Nitrobenzene-d5 (Surr)	72		53 - 120	02/13/24 08:34	02/14/24 15:37	1
Phenol-d5 (Surr)	68		54 - 120	02/13/24 08:34	02/14/24 15:37	1
p-Terphenyl-d14 (Surr)	87		79 - 130	02/13/24 08:34	02/14/24 15:37	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-4 (6-8`)

Date Collected: 02/08/24 12:15

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-5

Matrix: Solid

Percent Solids: 61.0

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15.9		3.5	0.69	mg/Kg	☆	02/13/24 11:21	02/14/24 21:24	1
Barium	220		0.86	0.19	mg/Kg	☆	02/13/24 11:21	02/14/24 21:24	1
Beryllium	1.3		0.35	0.048	mg/Kg	☆	02/13/24 11:21	02/14/24 21:24	1
Cadmium	0.42		0.35	0.052	mg/Kg	☆	02/13/24 11:21	02/14/24 21:24	1
Chromium	24.3		0.86	0.35	mg/Kg	☆	02/13/24 11:21	02/14/24 21:24	1
Copper	124		1.7	0.36	mg/Kg	☆	02/13/24 11:21	02/15/24 16:48	1
Lead	1290		1.7	0.41	mg/Kg	☆	02/13/24 11:21	02/14/24 21:24	1
Manganese	117	B	0.35	0.055	mg/Kg	☆	02/13/24 11:21	02/14/24 21:24	1
Nickel	28.3		8.6	0.40	mg/Kg	☆	02/13/24 11:21	02/14/24 21:24	1
Selenium	2.9	J	6.9	0.69	mg/Kg	☆	02/13/24 11:21	02/14/24 21:24	1
Silver	1.1		1.0	0.35	mg/Kg	☆	02/13/24 11:21	02/14/24 21:24	1
Zinc	264		3.5	1.1	mg/Kg	☆	02/13/24 11:21	02/14/24 21:24	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.58		0.029	0.0068	mg/Kg	☆	02/15/24 10:45	02/15/24 13:23	1

Client Sample ID: B-5 (1-2`)

Date Collected: 02/08/24 13:00

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-6

Matrix: Solid

Percent Solids: 87.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.5	U vs	5.5	0.40	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
1,1-Dichloroethane	5.5	U vs	5.5	0.67	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
1,1-Dichloroethene	5.5	U vs	5.5	0.67	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
1,2,4-Trimethylbenzene	5.5	U vs	5.5	1.1	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
1,2-Dichlorobenzene	5.5	U vs	5.5	0.43	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
1,2-Dichloroethane	5.5	U vs	5.5	0.28	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
1,3,5-Trimethylbenzene	5.5	U vs	5.5	0.35	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
1,3-Dichlorobenzene	5.5	U vs	5.5	0.28	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
1,4-Dichlorobenzene	5.5	U vs	5.5	0.77	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
1,4-Dioxane	110	U vs	110	24	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
2-Butanone (MEK)	27	U vs	27	2.0	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
Acetone	27	U vs	27	4.6	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
Benzene	5.5	U vs	5.5	0.27	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
Carbon tetrachloride	5.5	U vs	5.5	0.53	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
Chlorobenzene	5.5	U vs	5.5	0.73	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
Chloroform	5.5	U vs	5.5	0.34	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
cis-1,2-Dichloroethene	5.5	U vs	5.5	0.70	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
Ethylbenzene	5.5	U vs	5.5	0.38	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
Methyl tert-butyl ether	5.5	U vs	5.5	0.54	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
Methylene Chloride	5.5	U vs	5.5	2.5	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
n-Butylbenzene	5.5	U vs	5.5	0.48	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
N-Propylbenzene	5.5	U vs	5.5	0.44	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
sec-Butylbenzene	5.5	U vs	5.5	0.48	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
tert-Butylbenzene	5.5	U vs	5.5	0.57	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
Tetrachloroethene	5.5	U vs	5.5	0.74	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
Toluene	5.5	U vs	5.5	0.42	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1
trans-1,2-Dichloroethene	5.5	U vs	5.5	0.57	ug/Kg	☆	02/12/24 17:46	02/12/24 22:06	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-5 (1-2`)

Lab Sample ID: 480-216958-6

Date Collected: 02/08/24 13:00

Matrix: Solid

Date Received: 02/09/24 09:45

Percent Solids: 87.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	5.5	U vs	5.5	1.2	ug/Kg	☼	02/12/24 17:46	02/12/24 22:06	1
Vinyl chloride	5.5	U vs	5.5	0.67	ug/Kg	☼	02/12/24 17:46	02/12/24 22:06	1
Xylenes, Total	11	U vs	11	0.92	ug/Kg	☼	02/12/24 17:46	02/12/24 22:06	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	02/12/24 17:46	02/12/24 22:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		64 - 126	02/12/24 17:46	02/12/24 22:06	1
4-Bromofluorobenzene (Surr)	105		72 - 126	02/12/24 17:46	02/12/24 22:06	1
Dibromofluoromethane (Surr)	109		60 - 140	02/12/24 17:46	02/12/24 22:06	1
Toluene-d8 (Surr)	92		71 - 125	02/12/24 17:46	02/12/24 22:06	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1100	U	1100	620	ug/Kg	☼	02/13/24 08:34	02/14/24 16:01	10
2-Methylphenol	1900	U	1900	230	ug/Kg	☼	02/13/24 08:34	02/14/24 16:01	10
3-Methylphenol	3700	U	3700	290	ug/Kg	☼	02/13/24 08:34	02/14/24 16:01	10
4-Methylphenol	3700	U	3700	230	ug/Kg	☼	02/13/24 08:34	02/14/24 16:01	10
Acenaphthene	1900	U	1900	280	ug/Kg	☼	02/13/24 08:34	02/14/24 16:01	10
Acenaphthylene	1900	U	1900	250	ug/Kg	☼	02/13/24 08:34	02/14/24 16:01	10
Anthracene	1900	U	1900	480	ug/Kg	☼	02/13/24 08:34	02/14/24 16:01	10
Benzo[a]anthracene	1900	U	1900	190	ug/Kg	☼	02/13/24 08:34	02/14/24 16:01	10
Benzo[a]pyrene	1900	U	1900	280	ug/Kg	☼	02/13/24 08:34	02/14/24 16:01	10
Benzo[b]fluoranthene	1900	U	1900	310	ug/Kg	☼	02/13/24 08:34	02/14/24 16:01	10
Benzo[g,h,i]perylene	1900	U	1900	200	ug/Kg	☼	02/13/24 08:34	02/14/24 16:01	10
Benzo[k]fluoranthene	1900	U	1900	250	ug/Kg	☼	02/13/24 08:34	02/14/24 16:01	10
Chrysene	1900	U	1900	430	ug/Kg	☼	02/13/24 08:34	02/14/24 16:01	10
Dibenz(a,h)anthracene	1900	U	1900	340	ug/Kg	☼	02/13/24 08:34	02/14/24 16:01	10
Dibenzofuran	1900	U	1900	230	ug/Kg	☼	02/13/24 08:34	02/14/24 16:01	10
Fluoranthene	380	J	1900	200	ug/Kg	☼	02/13/24 08:34	02/14/24 16:01	10
Fluorene	1900	U	1900	230	ug/Kg	☼	02/13/24 08:34	02/14/24 16:01	10
Hexachlorobenzene	1900	U	1900	260	ug/Kg	☼	02/13/24 08:34	02/14/24 16:01	10
Indeno[1,2,3-cd]pyrene	1900	U	1900	240	ug/Kg	☼	02/13/24 08:34	02/14/24 16:01	10
Naphthalene	1900	U	1900	250	ug/Kg	☼	02/13/24 08:34	02/14/24 16:01	10
Pentachlorophenol	3700	U	3700	1900	ug/Kg	☼	02/13/24 08:34	02/14/24 16:01	10
Phenanthrene	1900	U	1900	280	ug/Kg	☼	02/13/24 08:34	02/14/24 16:01	10
Phenol	1900	U	1900	290	ug/Kg	☼	02/13/24 08:34	02/14/24 16:01	10
Pyrene	240	J	1900	230	ug/Kg	☼	02/13/24 08:34	02/14/24 16:01	10

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	02/13/24 08:34	02/14/24 16:01	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	97		54 - 120	02/13/24 08:34	02/14/24 16:01	10
2-Fluorobiphenyl (Surr)	88		60 - 120	02/13/24 08:34	02/14/24 16:01	10
2-Fluorophenol (Surr)	85		52 - 120	02/13/24 08:34	02/14/24 16:01	10
Nitrobenzene-d5 (Surr)	76		53 - 120	02/13/24 08:34	02/14/24 16:01	10
Phenol-d5 (Surr)	82		54 - 120	02/13/24 08:34	02/14/24 16:01	10
p-Terphenyl-d14 (Surr)	82		79 - 130	02/13/24 08:34	02/14/24 16:01	10

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-5 (1-2`)

Date Collected: 02/08/24 13:00

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-6

Matrix: Solid

Percent Solids: 87.6

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.0		2.2	0.44	mg/Kg	☆	02/13/24 11:21	02/14/24 21:27	1
Barium	69.8		0.55	0.12	mg/Kg	☆	02/13/24 11:21	02/14/24 21:27	1
Beryllium	0.71		0.22	0.031	mg/Kg	☆	02/13/24 11:21	02/14/24 21:27	1
Cadmium	0.13	J	0.22	0.033	mg/Kg	☆	02/13/24 11:21	02/14/24 21:27	1
Chromium	19.0		0.55	0.22	mg/Kg	☆	02/13/24 11:21	02/14/24 21:27	1
Copper	27.3		1.1	0.23	mg/Kg	☆	02/13/24 11:21	02/15/24 16:51	1
Lead	12.0		1.1	0.27	mg/Kg	☆	02/13/24 11:21	02/14/24 21:27	1
Manganese	543	B	0.22	0.035	mg/Kg	☆	02/13/24 11:21	02/14/24 21:27	1
Nickel	27.0		5.5	0.25	mg/Kg	☆	02/13/24 11:21	02/14/24 21:27	1
Selenium	0.80	J	4.4	0.44	mg/Kg	☆	02/13/24 11:21	02/14/24 21:27	1
Silver	0.22	J	0.66	0.22	mg/Kg	☆	02/13/24 11:21	02/14/24 21:27	1
Zinc	72.8		2.2	0.71	mg/Kg	☆	02/13/24 11:21	02/14/24 21:27	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.31		0.021	0.0049	mg/Kg	☆	02/15/24 10:45	02/15/24 13:24	1

Client Sample ID: B-6 (3-4`)

Date Collected: 02/08/24 13:30

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-7

Matrix: Solid

Percent Solids: 82.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	6.0	U vs	6.0	0.44	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
1,1-Dichloroethane	6.0	U vs	6.0	0.73	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
1,1-Dichloroethene	6.0	U vs	6.0	0.74	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
1,2,4-Trimethylbenzene	6.0	U vs	6.0	1.2	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
1,2-Dichlorobenzene	6.0	U vs	6.0	0.47	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
1,2-Dichloroethane	6.0	U vs	6.0	0.30	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
1,3,5-Trimethylbenzene	6.0	U vs	6.0	0.39	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
1,3-Dichlorobenzene	6.0	U vs	6.0	0.31	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
1,4-Dichlorobenzene	6.0	U vs	6.0	0.84	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
1,4-Dioxane	120	U vs	120	26	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
2-Butanone (MEK)	30	U vs	30	2.2	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
Acetone	30	U vs	30	5.1	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
Benzene	6.0	U vs	6.0	0.29	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
Carbon tetrachloride	6.0	U vs	6.0	0.58	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
Chlorobenzene	6.0	U vs	6.0	0.79	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
Chloroform	6.0	U vs	6.0	0.37	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
cis-1,2-Dichloroethene	6.0	U vs	6.0	0.77	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
Ethylbenzene	6.0	U vs	6.0	0.41	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
Methyl tert-butyl ether	6.0	U vs	6.0	0.59	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
Methylene Chloride	6.0	U vs	6.0	2.8	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
n-Butylbenzene	6.0	U vs	6.0	0.52	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
N-Propylbenzene	6.0	U vs	6.0	0.48	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
sec-Butylbenzene	6.0	U vs	6.0	0.52	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
tert-Butylbenzene	6.0	U vs	6.0	0.63	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
Tetrachloroethene	6.0	U vs	6.0	0.81	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
Toluene	6.0	U vs	6.0	0.45	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1
trans-1,2-Dichloroethene	6.0	U vs	6.0	0.62	ug/Kg	☆	02/12/24 17:46	02/12/24 22:31	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-6 (3-4`)

Lab Sample ID: 480-216958-7

Date Collected: 02/08/24 13:30

Matrix: Solid

Date Received: 02/09/24 09:45

Percent Solids: 82.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	6.0	U vs	6.0	1.3	ug/Kg	☼	02/12/24 17:46	02/12/24 22:31	1
Vinyl chloride	6.0	U vs	6.0	0.73	ug/Kg	☼	02/12/24 17:46	02/12/24 22:31	1
Xylenes, Total	12	U vs	12	1.0	ug/Kg	☼	02/12/24 17:46	02/12/24 22:31	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	02/12/24 17:46	02/12/24 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		64 - 126	02/12/24 17:46	02/12/24 22:31	1
4-Bromofluorobenzene (Surr)	101		72 - 126	02/12/24 17:46	02/12/24 22:31	1
Dibromofluoromethane (Surr)	114		60 - 140	02/12/24 17:46	02/12/24 22:31	1
Toluene-d8 (Surr)	93		71 - 125	02/12/24 17:46	02/12/24 22:31	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	120	U	120	66	ug/Kg	☼	02/13/24 08:34	02/14/24 16:27	1
2-Methylphenol	200	U	200	24	ug/Kg	☼	02/13/24 08:34	02/14/24 16:27	1
3-Methylphenol	400	U	400	31	ug/Kg	☼	02/13/24 08:34	02/14/24 16:27	1
4-Methylphenol	400	U	400	24	ug/Kg	☼	02/13/24 08:34	02/14/24 16:27	1
Acenaphthene	200	U	200	30	ug/Kg	☼	02/13/24 08:34	02/14/24 16:27	1
Acenaphthylene	200	U	200	26	ug/Kg	☼	02/13/24 08:34	02/14/24 16:27	1
Anthracene	200	U	200	51	ug/Kg	☼	02/13/24 08:34	02/14/24 16:27	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☼	02/13/24 08:34	02/14/24 16:27	1
Benzo[a]pyrene	200	U	200	30	ug/Kg	☼	02/13/24 08:34	02/14/24 16:27	1
Benzo[b]fluoranthene	200	U	200	33	ug/Kg	☼	02/13/24 08:34	02/14/24 16:27	1
Benzo[g,h,i]perylene	200	U	200	22	ug/Kg	☼	02/13/24 08:34	02/14/24 16:27	1
Benzo[k]fluoranthene	200	U	200	26	ug/Kg	☼	02/13/24 08:34	02/14/24 16:27	1
Chrysene	200	U	200	46	ug/Kg	☼	02/13/24 08:34	02/14/24 16:27	1
Dibenz(a,h)anthracene	200	U	200	36	ug/Kg	☼	02/13/24 08:34	02/14/24 16:27	1
Dibenzofuran	200	U	200	24	ug/Kg	☼	02/13/24 08:34	02/14/24 16:27	1
Fluoranthene	29	J	200	22	ug/Kg	☼	02/13/24 08:34	02/14/24 16:27	1
Fluorene	200	U	200	24	ug/Kg	☼	02/13/24 08:34	02/14/24 16:27	1
Hexachlorobenzene	200	U	200	28	ug/Kg	☼	02/13/24 08:34	02/14/24 16:27	1
Indeno[1,2,3-cd]pyrene	200	U	200	25	ug/Kg	☼	02/13/24 08:34	02/14/24 16:27	1
Naphthalene	200	U	200	26	ug/Kg	☼	02/13/24 08:34	02/14/24 16:27	1
Pentachlorophenol	400	U	400	200	ug/Kg	☼	02/13/24 08:34	02/14/24 16:27	1
Phenanthrene	200	U	200	30	ug/Kg	☼	02/13/24 08:34	02/14/24 16:27	1
Phenol	200	U	200	31	ug/Kg	☼	02/13/24 08:34	02/14/24 16:27	1
Pyrene	200	U	200	24	ug/Kg	☼	02/13/24 08:34	02/14/24 16:27	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	480	T J	ug/Kg	☼	3.43	N/A	02/13/24 08:34	02/14/24 16:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	88		54 - 120	02/13/24 08:34	02/14/24 16:27	1
2-Fluorobiphenyl (Surr)	63		60 - 120	02/13/24 08:34	02/14/24 16:27	1
2-Fluorophenol (Surr)	60		52 - 120	02/13/24 08:34	02/14/24 16:27	1
Nitrobenzene-d5 (Surr)	55		53 - 120	02/13/24 08:34	02/14/24 16:27	1
Phenol-d5 (Surr)	63		54 - 120	02/13/24 08:34	02/14/24 16:27	1
p-Terphenyl-d14 (Surr)	94		79 - 130	02/13/24 08:34	02/14/24 16:27	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-6 (3-4`)

Date Collected: 02/08/24 13:30

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-7

Matrix: Solid

Percent Solids: 82.4

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.9		2.4	0.49	mg/Kg	☆	02/13/24 11:21	02/14/24 21:41	1
Barium	37.5		0.61	0.13	mg/Kg	☆	02/13/24 11:21	02/14/24 21:41	1
Beryllium	0.55		0.24	0.034	mg/Kg	☆	02/13/24 11:21	02/14/24 21:41	1
Cadmium	0.14	J	0.24	0.037	mg/Kg	☆	02/13/24 11:21	02/14/24 21:41	1
Chromium	13.0		0.61	0.24	mg/Kg	☆	02/13/24 11:21	02/14/24 21:41	1
Copper	24.6		1.2	0.26	mg/Kg	☆	02/13/24 11:21	02/15/24 16:55	1
Lead	24.9		1.2	0.29	mg/Kg	☆	02/13/24 11:21	02/14/24 21:41	1
Manganese	550	B	0.24	0.039	mg/Kg	☆	02/13/24 11:21	02/14/24 21:41	1
Nickel	21.0		6.1	0.28	mg/Kg	☆	02/13/24 11:21	02/14/24 21:41	1
Selenium	1.2	J	4.9	0.49	mg/Kg	☆	02/13/24 11:21	02/14/24 21:41	1
Silver	0.73	U	0.73	0.24	mg/Kg	☆	02/13/24 11:21	02/14/24 21:41	1
Zinc	46.2		2.4	0.78	mg/Kg	☆	02/13/24 11:21	02/14/24 21:41	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.025	0.0057	mg/Kg	☆	02/15/24 10:45	02/15/24 13:25	1

Client Sample ID: B-7 (1-2`)

Date Collected: 02/08/24 13:50

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-8

Matrix: Solid

Percent Solids: 85.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.7	U vs	5.7	0.41	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
1,1-Dichloroethane	5.7	U vs	5.7	0.69	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
1,1-Dichloroethene	5.7	U vs	5.7	0.69	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
1,2,4-Trimethylbenzene	5.7	U vs	5.7	1.1	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
1,2-Dichlorobenzene	5.7	U vs	5.7	0.44	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
1,2-Dichloroethane	5.7	U vs	5.7	0.28	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
1,3,5-Trimethylbenzene	5.7	U vs	5.7	0.36	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
1,3-Dichlorobenzene	5.7	U vs	5.7	0.29	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
1,4-Dichlorobenzene	5.7	U vs	5.7	0.79	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
1,4-Dioxane	110	U vs	110	25	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
2-Butanone (MEK)	28	U vs	28	2.1	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
Acetone	28	U vs	28	4.8	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
Benzene	5.7	U vs	5.7	0.28	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
Carbon tetrachloride	5.7	U vs	5.7	0.55	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
Chlorobenzene	5.7	U vs	5.7	0.75	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
Chloroform	5.7	U vs	5.7	0.35	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
cis-1,2-Dichloroethene	5.7	U vs	5.7	0.73	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
Ethylbenzene	5.7	U vs	5.7	0.39	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
Methyl tert-butyl ether	5.7	U vs	5.7	0.56	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
Methylene Chloride	5.7	U vs	5.7	2.6	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
n-Butylbenzene	5.7	U vs	5.7	0.49	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
N-Propylbenzene	5.7	U vs	5.7	0.45	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
sec-Butylbenzene	5.7	U vs	5.7	0.49	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
tert-Butylbenzene	5.7	U vs	5.7	0.59	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
Tetrachloroethene	5.7	U vs	5.7	0.76	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
Toluene	5.7	U vs	5.7	0.43	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1
trans-1,2-Dichloroethene	5.7	U vs	5.7	0.58	ug/Kg	☆	02/12/24 17:46	02/12/24 22:55	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-7 (1-2')

Lab Sample ID: 480-216958-8

Date Collected: 02/08/24 13:50

Matrix: Solid

Date Received: 02/09/24 09:45

Percent Solids: 85.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	5.7	U vs	5.7	1.2	ug/Kg	☼	02/12/24 17:46	02/12/24 22:55	1
Vinyl chloride	5.7	U vs	5.7	0.69	ug/Kg	☼	02/12/24 17:46	02/12/24 22:55	1
Xylenes, Total	11	U vs	11	0.95	ug/Kg	☼	02/12/24 17:46	02/12/24 22:55	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	02/12/24 17:46	02/12/24 22:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		64 - 126	02/12/24 17:46	02/12/24 22:55	1
4-Bromofluorobenzene (Surr)	107		72 - 126	02/12/24 17:46	02/12/24 22:55	1
Dibromofluoromethane (Surr)	109		60 - 140	02/12/24 17:46	02/12/24 22:55	1
Toluene-d8 (Surr)	92		71 - 125	02/12/24 17:46	02/12/24 22:55	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	120	U	120	64	ug/Kg	☼	02/13/24 08:34	02/14/24 16:51	1
2-Methylphenol	200	U	200	23	ug/Kg	☼	02/13/24 08:34	02/14/24 16:51	1
3-Methylphenol	380	U	380	30	ug/Kg	☼	02/13/24 08:34	02/14/24 16:51	1
4-Methylphenol	380	U	380	23	ug/Kg	☼	02/13/24 08:34	02/14/24 16:51	1
Acenaphthene	200	U	200	29	ug/Kg	☼	02/13/24 08:34	02/14/24 16:51	1
Acenaphthylene	200	U	200	25	ug/Kg	☼	02/13/24 08:34	02/14/24 16:51	1
Anthracene	200	U	200	49	ug/Kg	☼	02/13/24 08:34	02/14/24 16:51	1
Benzo[a]anthracene	92	J	200	20	ug/Kg	☼	02/13/24 08:34	02/14/24 16:51	1
Benzo[a]pyrene	110	J	200	29	ug/Kg	☼	02/13/24 08:34	02/14/24 16:51	1
Benzo[b]fluoranthene	120	J	200	31	ug/Kg	☼	02/13/24 08:34	02/14/24 16:51	1
Benzo[g,h,i]perylene	80	J	200	21	ug/Kg	☼	02/13/24 08:34	02/14/24 16:51	1
Benzo[k]fluoranthene	67	J	200	25	ug/Kg	☼	02/13/24 08:34	02/14/24 16:51	1
Chrysene	95	J	200	44	ug/Kg	☼	02/13/24 08:34	02/14/24 16:51	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	02/13/24 08:34	02/14/24 16:51	1
Dibenzofuran	200	U	200	23	ug/Kg	☼	02/13/24 08:34	02/14/24 16:51	1
Fluoranthene	240		200	21	ug/Kg	☼	02/13/24 08:34	02/14/24 16:51	1
Fluorene	200	U	200	23	ug/Kg	☼	02/13/24 08:34	02/14/24 16:51	1
Hexachlorobenzene	200	U	200	27	ug/Kg	☼	02/13/24 08:34	02/14/24 16:51	1
Indeno[1,2,3-cd]pyrene	77	J	200	24	ug/Kg	☼	02/13/24 08:34	02/14/24 16:51	1
Naphthalene	200	U	200	25	ug/Kg	☼	02/13/24 08:34	02/14/24 16:51	1
Pentachlorophenol	380	U	380	200	ug/Kg	☼	02/13/24 08:34	02/14/24 16:51	1
Phenanthrene	160	J	200	29	ug/Kg	☼	02/13/24 08:34	02/14/24 16:51	1
Phenol	200	U	200	30	ug/Kg	☼	02/13/24 08:34	02/14/24 16:51	1
Pyrene	160	J	200	23	ug/Kg	☼	02/13/24 08:34	02/14/24 16:51	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	380	T J	ug/Kg	☼	3.43	N/A	02/13/24 08:34	02/14/24 16:51	1
Unknown	160	T J	ug/Kg	☼	13.68	N/A	02/13/24 08:34	02/14/24 16:51	1
Unknown	160	T J	ug/Kg	☼	14.00	N/A	02/13/24 08:34	02/14/24 16:51	1
Unknown	210	T J	ug/Kg	☼	14.19	N/A	02/13/24 08:34	02/14/24 16:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		54 - 120	02/13/24 08:34	02/14/24 16:51	1
2-Fluorobiphenyl (Surr)	69		60 - 120	02/13/24 08:34	02/14/24 16:51	1
2-Fluorophenol (Surr)	66		52 - 120	02/13/24 08:34	02/14/24 16:51	1
Nitrobenzene-d5 (Surr)	63		53 - 120	02/13/24 08:34	02/14/24 16:51	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-7 (1-2`)

Date Collected: 02/08/24 13:50

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-8

Matrix: Solid

Percent Solids: 85.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	71		54 - 120	02/13/24 08:34	02/14/24 16:51	1
p-Terphenyl-d14 (Surr)	87		79 - 130	02/13/24 08:34	02/14/24 16:51	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.0		2.4	0.47	mg/Kg	☆	02/13/24 11:21	02/14/24 21:45	1
Barium	22.9		0.59	0.13	mg/Kg	☆	02/13/24 11:21	02/14/24 21:45	1
Beryllium	0.30		0.24	0.033	mg/Kg	☆	02/13/24 11:21	02/14/24 21:45	1
Cadmium	0.087	J	0.24	0.035	mg/Kg	☆	02/13/24 11:21	02/14/24 21:45	1
Chromium	7.4		0.59	0.24	mg/Kg	☆	02/13/24 11:21	02/14/24 21:45	1
Copper	11.2		1.2	0.25	mg/Kg	☆	02/13/24 11:21	02/15/24 16:58	1
Lead	5.2		1.2	0.28	mg/Kg	☆	02/13/24 11:21	02/14/24 21:45	1
Manganese	312	B	0.24	0.038	mg/Kg	☆	02/13/24 11:21	02/14/24 21:45	1
Nickel	10.0		5.9	0.27	mg/Kg	☆	02/13/24 11:21	02/14/24 21:45	1
Selenium	0.50	J	4.7	0.47	mg/Kg	☆	02/13/24 11:21	02/14/24 21:45	1
Silver	0.71	U	0.71	0.24	mg/Kg	☆	02/13/24 11:21	02/14/24 21:45	1
Zinc	23.8		2.4	0.75	mg/Kg	☆	02/13/24 11:21	02/14/24 21:45	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.083		0.023	0.0053	mg/Kg	☆	02/15/24 10:45	02/15/24 13:27	1

Client Sample ID: B-8 (2-4`)

Date Collected: 02/08/24 14:30

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-9

Matrix: Solid

Percent Solids: 79.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	6.2	U vs	6.2	0.45	ug/Kg	☆	02/12/24 17:46	02/12/24 23:20	1
1,1-Dichloroethane	6.2	U vs	6.2	0.76	ug/Kg	☆	02/12/24 17:46	02/12/24 23:20	1
1,1-Dichloroethene	6.2	U vs	6.2	0.76	ug/Kg	☆	02/12/24 17:46	02/12/24 23:20	1
1,2,4-Trimethylbenzene	6.2	U vs	6.2	1.2	ug/Kg	☆	02/12/24 17:46	02/12/24 23:20	1
1,2-Dichlorobenzene	6.2	U vs	6.2	0.49	ug/Kg	☆	02/12/24 17:46	02/12/24 23:20	1
1,2-Dichloroethane	6.2	U vs	6.2	0.31	ug/Kg	☆	02/12/24 17:46	02/12/24 23:20	1
1,3,5-Trimethylbenzene	6.2	U vs	6.2	0.40	ug/Kg	☆	02/12/24 17:46	02/12/24 23:20	1
1,3-Dichlorobenzene	6.2	U vs	6.2	0.32	ug/Kg	☆	02/12/24 17:46	02/12/24 23:20	1
1,4-Dichlorobenzene	6.2	U vs	6.2	0.87	ug/Kg	☆	02/12/24 17:46	02/12/24 23:20	1
1,4-Dioxane	120	U vs	120	27	ug/Kg	☆	02/12/24 17:46	02/12/24 23:20	1
2-Butanone (MEK)	31	U vs	31	2.3	ug/Kg	☆	02/12/24 17:46	02/12/24 23:20	1
Acetone	31	U vs	31	5.2	ug/Kg	☆	02/12/24 17:46	02/12/24 23:20	1
Benzene	6.2	U vs	6.2	0.30	ug/Kg	☆	02/12/24 17:46	02/12/24 23:20	1
Carbon tetrachloride	6.2	U vs	6.2	0.60	ug/Kg	☆	02/12/24 17:46	02/12/24 23:20	1
Chlorobenzene	6.2	U vs	6.2	0.82	ug/Kg	☆	02/12/24 17:46	02/12/24 23:20	1
Chloroform	6.2	U vs	6.2	0.38	ug/Kg	☆	02/12/24 17:46	02/12/24 23:20	1
cis-1,2-Dichloroethene	6.2	U vs	6.2	0.80	ug/Kg	☆	02/12/24 17:46	02/12/24 23:20	1
Ethylbenzene	6.2	U vs	6.2	0.43	ug/Kg	☆	02/12/24 17:46	02/12/24 23:20	1
Methyl tert-butyl ether	6.2	U vs	6.2	0.61	ug/Kg	☆	02/12/24 17:46	02/12/24 23:20	1
Methylene Chloride	6.2	U vs	6.2	2.9	ug/Kg	☆	02/12/24 17:46	02/12/24 23:20	1
n-Butylbenzene	6.2	U vs	6.2	0.54	ug/Kg	☆	02/12/24 17:46	02/12/24 23:20	1
N-Propylbenzene	6.2	U vs	6.2	0.50	ug/Kg	☆	02/12/24 17:46	02/12/24 23:20	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-8 (2-4`)

Lab Sample ID: 480-216958-9

Date Collected: 02/08/24 14:30

Matrix: Solid

Date Received: 02/09/24 09:45

Percent Solids: 79.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	6.2	U vs	6.2	0.54	ug/Kg	☼	02/12/24 17:46	02/12/24 23:20	1
tert-Butylbenzene	6.2	U vs	6.2	0.65	ug/Kg	☼	02/12/24 17:46	02/12/24 23:20	1
Tetrachloroethene	6.2	U vs	6.2	0.83	ug/Kg	☼	02/12/24 17:46	02/12/24 23:20	1
Toluene	6.2	U vs	6.2	0.47	ug/Kg	☼	02/12/24 17:46	02/12/24 23:20	1
trans-1,2-Dichloroethene	6.2	U vs	6.2	0.64	ug/Kg	☼	02/12/24 17:46	02/12/24 23:20	1
Trichloroethene	6.2	U vs	6.2	1.4	ug/Kg	☼	02/12/24 17:46	02/12/24 23:20	1
Vinyl chloride	6.2	U vs	6.2	0.76	ug/Kg	☼	02/12/24 17:46	02/12/24 23:20	1
Xylenes, Total	12	U vs	12	1.0	ug/Kg	☼	02/12/24 17:46	02/12/24 23:20	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	02/12/24 17:46	02/12/24 23:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		64 - 126	02/12/24 17:46	02/12/24 23:20	1
4-Bromofluorobenzene (Surr)	105		72 - 126	02/12/24 17:46	02/12/24 23:20	1
Dibromofluoromethane (Surr)	110		60 - 140	02/12/24 17:46	02/12/24 23:20	1
Toluene-d8 (Surr)	93		71 - 125	02/12/24 17:46	02/12/24 23:20	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	630	U	630	350	ug/Kg	☼	02/13/24 08:34	02/14/24 17:16	5
2-Methylphenol	1100	U	1100	130	ug/Kg	☼	02/13/24 08:34	02/14/24 17:16	5
3-Methylphenol	2100	U	2100	160	ug/Kg	☼	02/13/24 08:34	02/14/24 17:16	5
4-Methylphenol	2100	U	2100	130	ug/Kg	☼	02/13/24 08:34	02/14/24 17:16	5
Acenaphthene	1100	U	1100	160	ug/Kg	☼	02/13/24 08:34	02/14/24 17:16	5
Acenaphthylene	320	J	1100	140	ug/Kg	☼	02/13/24 08:34	02/14/24 17:16	5
Anthracene	610	J	1100	260	ug/Kg	☼	02/13/24 08:34	02/14/24 17:16	5
Benzo[a]anthracene	2000		1100	110	ug/Kg	☼	02/13/24 08:34	02/14/24 17:16	5
Benzo[a]pyrene	2100		1100	160	ug/Kg	☼	02/13/24 08:34	02/14/24 17:16	5
Benzo[b]fluoranthene	2300		1100	170	ug/Kg	☼	02/13/24 08:34	02/14/24 17:16	5
Benzo[g,h,i]perylene	1400		1100	110	ug/Kg	☼	02/13/24 08:34	02/14/24 17:16	5
Benzo[k]fluoranthene	1300		1100	140	ug/Kg	☼	02/13/24 08:34	02/14/24 17:16	5
Chrysene	2300		1100	240	ug/Kg	☼	02/13/24 08:34	02/14/24 17:16	5
Dibenz(a,h)anthracene	430	J	1100	190	ug/Kg	☼	02/13/24 08:34	02/14/24 17:16	5
Dibenzofuran	130	J	1100	130	ug/Kg	☼	02/13/24 08:34	02/14/24 17:16	5
Fluoranthene	4900		1100	110	ug/Kg	☼	02/13/24 08:34	02/14/24 17:16	5
Fluorene	200	J	1100	130	ug/Kg	☼	02/13/24 08:34	02/14/24 17:16	5
Hexachlorobenzene	1100	U	1100	140	ug/Kg	☼	02/13/24 08:34	02/14/24 17:16	5
Indeno[1,2,3-cd]pyrene	1300		1100	130	ug/Kg	☼	02/13/24 08:34	02/14/24 17:16	5
Naphthalene	1100	U	1100	140	ug/Kg	☼	02/13/24 08:34	02/14/24 17:16	5
Pentachlorophenol	2100	U	2100	1100	ug/Kg	☼	02/13/24 08:34	02/14/24 17:16	5
Phenanthrene	2900		1100	160	ug/Kg	☼	02/13/24 08:34	02/14/24 17:16	5
Phenol	1100	U	1100	160	ug/Kg	☼	02/13/24 08:34	02/14/24 17:16	5
Pyrene	3600		1100	130	ug/Kg	☼	02/13/24 08:34	02/14/24 17:16	5

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1100	T J	ug/Kg	☼	11.46	N/A	02/13/24 08:34	02/14/24 17:16	5
9,10-Anthracenedione	880	T J N	ug/Kg	☼	11.66	84-65-1	02/13/24 08:34	02/14/24 17:16	5
Perylene	1500	T J N	ug/Kg	☼	14.33	198-55-0	02/13/24 08:34	02/14/24 17:16	5

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-8 (2-4`)

Date Collected: 02/08/24 14:30

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-9

Matrix: Solid

Percent Solids: 79.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	82		54 - 120	02/13/24 08:34	02/14/24 17:16	5
2-Fluorobiphenyl (Surr)	87		60 - 120	02/13/24 08:34	02/14/24 17:16	5
2-Fluorophenol (Surr)	76		52 - 120	02/13/24 08:34	02/14/24 17:16	5
Nitrobenzene-d5 (Surr)	69		53 - 120	02/13/24 08:34	02/14/24 17:16	5
Phenol-d5 (Surr)	75		54 - 120	02/13/24 08:34	02/14/24 17:16	5
p-Terphenyl-d14 (Surr)	86		79 - 130	02/13/24 08:34	02/14/24 17:16	5

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.6		2.5	0.50	mg/Kg	☆	02/13/24 11:21	02/14/24 21:48	1
Barium	119		0.62	0.14	mg/Kg	☆	02/13/24 11:21	02/14/24 21:48	1
Beryllium	0.79		0.25	0.035	mg/Kg	☆	02/13/24 11:21	02/14/24 21:48	1
Cadmium	0.34		0.25	0.037	mg/Kg	☆	02/13/24 11:21	02/14/24 21:48	1
Chromium	16.6		0.62	0.25	mg/Kg	☆	02/13/24 11:21	02/14/24 21:48	1
Copper	70.7		1.2	0.26	mg/Kg	☆	02/13/24 11:21	02/15/24 17:12	1
Lead	284		1.2	0.30	mg/Kg	☆	02/13/24 11:21	02/14/24 21:48	1
Manganese	424 B		0.25	0.040	mg/Kg	☆	02/13/24 11:21	02/14/24 21:48	1
Nickel	26.6		6.2	0.29	mg/Kg	☆	02/13/24 11:21	02/14/24 21:48	1
Selenium	0.81 J		5.0	0.50	mg/Kg	☆	02/13/24 11:21	02/14/24 21:48	1
Silver	0.27 J		0.75	0.25	mg/Kg	☆	02/13/24 11:21	02/14/24 21:48	1
Zinc	221		2.5	0.80	mg/Kg	☆	02/13/24 11:21	02/14/24 21:48	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.0		0.026	0.0059	mg/Kg	☆	02/15/24 10:45	02/15/24 13:28	1

Client Sample ID: B-9 (1-3`)

Date Collected: 02/08/24 14:45

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-10

Matrix: Solid

Percent Solids: 79.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	6.2	U vs	6.2	0.45	ug/Kg	☆	02/12/24 17:46	02/12/24 23:44	1
1,1-Dichloroethane	6.2	U vs	6.2	0.76	ug/Kg	☆	02/12/24 17:46	02/12/24 23:44	1
1,1-Dichloroethene	6.2	U vs	6.2	0.76	ug/Kg	☆	02/12/24 17:46	02/12/24 23:44	1
1,2,4-Trimethylbenzene	6.2	U vs	6.2	1.2	ug/Kg	☆	02/12/24 17:46	02/12/24 23:44	1
1,2-Dichlorobenzene	6.2	U vs	6.2	0.49	ug/Kg	☆	02/12/24 17:46	02/12/24 23:44	1
1,2-Dichloroethane	6.2	U vs	6.2	0.31	ug/Kg	☆	02/12/24 17:46	02/12/24 23:44	1
1,3,5-Trimethylbenzene	6.2	U vs	6.2	0.40	ug/Kg	☆	02/12/24 17:46	02/12/24 23:44	1
1,3-Dichlorobenzene	6.2	U vs	6.2	0.32	ug/Kg	☆	02/12/24 17:46	02/12/24 23:44	1
1,4-Dichlorobenzene	6.2	U vs	6.2	0.87	ug/Kg	☆	02/12/24 17:46	02/12/24 23:44	1
1,4-Dioxane	120	U vs	120	27	ug/Kg	☆	02/12/24 17:46	02/12/24 23:44	1
2-Butanone (MEK)	31	U vs	31	2.3	ug/Kg	☆	02/12/24 17:46	02/12/24 23:44	1
Acetone	31	U vs	31	5.3	ug/Kg	☆	02/12/24 17:46	02/12/24 23:44	1
Benzene	6.2	U vs	6.2	0.31	ug/Kg	☆	02/12/24 17:46	02/12/24 23:44	1
Carbon tetrachloride	6.2	U vs	6.2	0.60	ug/Kg	☆	02/12/24 17:46	02/12/24 23:44	1
Chlorobenzene	6.2	U vs	6.2	0.82	ug/Kg	☆	02/12/24 17:46	02/12/24 23:44	1
Chloroform	6.2	U vs	6.2	0.39	ug/Kg	☆	02/12/24 17:46	02/12/24 23:44	1
cis-1,2-Dichloroethene	6.2	U vs	6.2	0.80	ug/Kg	☆	02/12/24 17:46	02/12/24 23:44	1
Ethylbenzene	6.2	U vs	6.2	0.43	ug/Kg	☆	02/12/24 17:46	02/12/24 23:44	1
Methyl tert-butyl ether	6.2	U vs	6.2	0.61	ug/Kg	☆	02/12/24 17:46	02/12/24 23:44	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-9 (1-3`)

Lab Sample ID: 480-216958-10

Date Collected: 02/08/24 14:45

Matrix: Solid

Date Received: 02/09/24 09:45

Percent Solids: 79.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	6.2	U vs	6.2	2.9	ug/Kg	☼	02/12/24 17:46	02/12/24 23:44	1
n-Butylbenzene	6.2	U vs	6.2	0.54	ug/Kg	☼	02/12/24 17:46	02/12/24 23:44	1
N-Propylbenzene	6.2	U vs	6.2	0.50	ug/Kg	☼	02/12/24 17:46	02/12/24 23:44	1
sec-Butylbenzene	6.2	U vs	6.2	0.54	ug/Kg	☼	02/12/24 17:46	02/12/24 23:44	1
tert-Butylbenzene	6.2	U vs	6.2	0.65	ug/Kg	☼	02/12/24 17:46	02/12/24 23:44	1
Tetrachloroethene	6.2	U vs	6.2	0.84	ug/Kg	☼	02/12/24 17:46	02/12/24 23:44	1
Toluene	6.2	U vs	6.2	0.47	ug/Kg	☼	02/12/24 17:46	02/12/24 23:44	1
trans-1,2-Dichloroethene	6.2	U vs	6.2	0.64	ug/Kg	☼	02/12/24 17:46	02/12/24 23:44	1
Trichloroethene	6.2	U vs	6.2	1.4	ug/Kg	☼	02/12/24 17:46	02/12/24 23:44	1
Vinyl chloride	6.2	U vs	6.2	0.76	ug/Kg	☼	02/12/24 17:46	02/12/24 23:44	1
Xylenes, Total	12	U vs	12	1.0	ug/Kg	☼	02/12/24 17:46	02/12/24 23:44	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	02/12/24 17:46	02/12/24 23:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		64 - 126	02/12/24 17:46	02/12/24 23:44	1
4-Bromofluorobenzene (Surr)	106		72 - 126	02/12/24 17:46	02/12/24 23:44	1
Dibromofluoromethane (Surr)	115		60 - 140	02/12/24 17:46	02/12/24 23:44	1
Toluene-d8 (Surr)	93		71 - 125	02/12/24 17:46	02/12/24 23:44	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	120	U	120	68	ug/Kg	☼	02/13/24 08:34	02/14/24 17:40	1
2-Methylphenol	210	U	210	25	ug/Kg	☼	02/13/24 08:34	02/14/24 17:40	1
3-Methylphenol	410	U	410	32	ug/Kg	☼	02/13/24 08:34	02/14/24 17:40	1
4-Methylphenol	410	U	410	25	ug/Kg	☼	02/13/24 08:34	02/14/24 17:40	1
Acenaphthene	86	J	210	31	ug/Kg	☼	02/13/24 08:34	02/14/24 17:40	1
Acenaphthylene	210	U	210	27	ug/Kg	☼	02/13/24 08:34	02/14/24 17:40	1
Anthracene	150	J	210	52	ug/Kg	☼	02/13/24 08:34	02/14/24 17:40	1
Benzo[a]anthracene	340		210	21	ug/Kg	☼	02/13/24 08:34	02/14/24 17:40	1
Benzo[a]pyrene	290		210	31	ug/Kg	☼	02/13/24 08:34	02/14/24 17:40	1
Benzo[b]fluoranthene	310		210	33	ug/Kg	☼	02/13/24 08:34	02/14/24 17:40	1
Benzo[g,h,i]perylene	170	J	210	22	ug/Kg	☼	02/13/24 08:34	02/14/24 17:40	1
Benzo[k]fluoranthene	170	J	210	27	ug/Kg	☼	02/13/24 08:34	02/14/24 17:40	1
Chrysene	310		210	47	ug/Kg	☼	02/13/24 08:34	02/14/24 17:40	1
Dibenz(a,h)anthracene	49	J	210	37	ug/Kg	☼	02/13/24 08:34	02/14/24 17:40	1
Dibenzofuran	45	J	210	25	ug/Kg	☼	02/13/24 08:34	02/14/24 17:40	1
Fluoranthene	800		210	22	ug/Kg	☼	02/13/24 08:34	02/14/24 17:40	1
Fluorene	72	J	210	25	ug/Kg	☼	02/13/24 08:34	02/14/24 17:40	1
Hexachlorobenzene	210	U	210	29	ug/Kg	☼	02/13/24 08:34	02/14/24 17:40	1
Indeno[1,2,3-cd]pyrene	170	J	210	26	ug/Kg	☼	02/13/24 08:34	02/14/24 17:40	1
Naphthalene	210	U	210	27	ug/Kg	☼	02/13/24 08:34	02/14/24 17:40	1
Pentachlorophenol	410	U	410	210	ug/Kg	☼	02/13/24 08:34	02/14/24 17:40	1
Phenanthrene	720		210	31	ug/Kg	☼	02/13/24 08:34	02/14/24 17:40	1
Phenol	210	U	210	32	ug/Kg	☼	02/13/24 08:34	02/14/24 17:40	1
Pyrene	580		210	25	ug/Kg	☼	02/13/24 08:34	02/14/24 17:40	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	340	T J	ug/Kg	☼	3.43	N/A	02/13/24 08:34	02/14/24 17:40	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-9 (1-3`)

Lab Sample ID: 480-216958-10

Date Collected: 02/08/24 14:45

Matrix: Solid

Date Received: 02/09/24 09:45

Percent Solids: 79.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	230	T J	ug/Kg	☼	11.46	N/A	02/13/24 08:34	02/14/24 17:40	1
Unknown	180	T J	ug/Kg	☼	14.00	N/A	02/13/24 08:34	02/14/24 17:40	1
Benzo[e]pyrene	230	T J N	ug/Kg	☼	14.32	192-97-2	02/13/24 08:34	02/14/24 17:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	88		54 - 120				02/13/24 08:34	02/14/24 17:40	1
2-Fluorobiphenyl (Surr)	70		60 - 120				02/13/24 08:34	02/14/24 17:40	1
2-Fluorophenol (Surr)	62		52 - 120				02/13/24 08:34	02/14/24 17:40	1
Nitrobenzene-d5 (Surr)	65		53 - 120				02/13/24 08:34	02/14/24 17:40	1
Phenol-d5 (Surr)	67		54 - 120				02/13/24 08:34	02/14/24 17:40	1
p-Terphenyl-d14 (Surr)	95		79 - 130				02/13/24 08:34	02/14/24 17:40	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.8		2.6	0.53	mg/Kg	☼	02/13/24 11:21	02/14/24 21:51	1
Barium	86.1		0.66	0.15	mg/Kg	☼	02/13/24 11:21	02/14/24 21:51	1
Beryllium	1.3		0.26	0.037	mg/Kg	☼	02/13/24 11:21	02/14/24 21:51	1
Cadmium	0.17 J		0.26	0.040	mg/Kg	☼	02/13/24 11:21	02/14/24 21:51	1
Chromium	18.4		0.66	0.26	mg/Kg	☼	02/13/24 11:21	02/14/24 21:51	1
Copper	46.2		1.3	0.28	mg/Kg	☼	02/13/24 11:21	02/15/24 17:16	1
Lead	67.3		1.3	0.32	mg/Kg	☼	02/13/24 11:21	02/14/24 21:51	1
Manganese	547 B		0.26	0.042	mg/Kg	☼	02/13/24 11:21	02/14/24 21:51	1
Nickel	25.0		6.6	0.30	mg/Kg	☼	02/13/24 11:21	02/14/24 21:51	1
Selenium	0.84 J		5.3	0.53	mg/Kg	☼	02/13/24 11:21	02/14/24 21:51	1
Silver	0.79 U		0.79	0.26	mg/Kg	☼	02/13/24 11:21	02/14/24 21:51	1
Zinc	31.4		2.6	0.85	mg/Kg	☼	02/13/24 11:21	02/14/24 21:51	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.8		0.13	0.030	mg/Kg	☼	02/15/24 10:45	02/15/24 15:40	5

Client Sample ID: B-10 (1-2`)

Lab Sample ID: 480-216958-11

Date Collected: 02/08/24 15:10

Matrix: Solid

Date Received: 02/09/24 09:45

Percent Solids: 72.7

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	6.7	U vs	6.7	0.49	ug/Kg	☼	02/12/24 17:46	02/13/24 00:08	1
1,1-Dichloroethane	6.7	U vs	6.7	0.82	ug/Kg	☼	02/12/24 17:46	02/13/24 00:08	1
1,1-Dichloroethene	6.7	U vs	6.7	0.82	ug/Kg	☼	02/12/24 17:46	02/13/24 00:08	1
1,2,4-Trimethylbenzene	6.7	U F1 vs	6.7	1.3	ug/Kg	☼	02/12/24 17:46	02/13/24 00:08	1
1,2-Dichlorobenzene	6.7	U F1 vs	6.7	0.53	ug/Kg	☼	02/12/24 17:46	02/13/24 00:08	1
1,2-Dichloroethane	6.7	U vs	6.7	0.34	ug/Kg	☼	02/12/24 17:46	02/13/24 00:08	1
1,3,5-Trimethylbenzene	6.7	U F1 vs	6.7	0.43	ug/Kg	☼	02/12/24 17:46	02/13/24 00:08	1
1,3-Dichlorobenzene	6.7	U F1 vs	6.7	0.35	ug/Kg	☼	02/12/24 17:46	02/13/24 00:08	1
1,4-Dichlorobenzene	6.7	U F1 vs	6.7	0.94	ug/Kg	☼	02/12/24 17:46	02/13/24 00:08	1
1,4-Dioxane	130	U F1 vs	130	29	ug/Kg	☼	02/12/24 17:46	02/13/24 00:08	1
2-Butanone (MEK)	34	U vs	34	2.5	ug/Kg	☼	02/12/24 17:46	02/13/24 00:08	1
Acetone	34	U vs	34	5.7	ug/Kg	☼	02/12/24 17:46	02/13/24 00:08	1
Benzene	6.7	U vs	6.7	0.33	ug/Kg	☼	02/12/24 17:46	02/13/24 00:08	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-10 (1-2')

Lab Sample ID: 480-216958-11

Date Collected: 02/08/24 15:10

Matrix: Solid

Date Received: 02/09/24 09:45

Percent Solids: 72.7

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	6.7	U vs	6.7	0.65	ug/Kg	✱	02/12/24 17:46	02/13/24 00:08	1
Chlorobenzene	6.7	U F1 vs	6.7	0.89	ug/Kg	✱	02/12/24 17:46	02/13/24 00:08	1
Chloroform	6.7	U vs	6.7	0.42	ug/Kg	✱	02/12/24 17:46	02/13/24 00:08	1
cis-1,2-Dichloroethene	6.7	U vs	6.7	0.86	ug/Kg	✱	02/12/24 17:46	02/13/24 00:08	1
Ethylbenzene	6.7	U F1 vs	6.7	0.46	ug/Kg	✱	02/12/24 17:46	02/13/24 00:08	1
Methyl tert-butyl ether	6.7	U vs	6.7	0.66	ug/Kg	✱	02/12/24 17:46	02/13/24 00:08	1
Methylene Chloride	6.7	U vs	6.7	3.1	ug/Kg	✱	02/12/24 17:46	02/13/24 00:08	1
n-Butylbenzene	6.7	U F1 vs	6.7	0.59	ug/Kg	✱	02/12/24 17:46	02/13/24 00:08	1
N-Propylbenzene	6.7	U F1 vs	6.7	0.54	ug/Kg	✱	02/12/24 17:46	02/13/24 00:08	1
sec-Butylbenzene	6.7	U F1 vs	6.7	0.59	ug/Kg	✱	02/12/24 17:46	02/13/24 00:08	1
tert-Butylbenzene	6.7	U vs	6.7	0.70	ug/Kg	✱	02/12/24 17:46	02/13/24 00:08	1
Tetrachloroethene	6.7	U F1 vs	6.7	0.90	ug/Kg	✱	02/12/24 17:46	02/13/24 00:08	1
Toluene	6.7	U vs	6.7	0.51	ug/Kg	✱	02/12/24 17:46	02/13/24 00:08	1
trans-1,2-Dichloroethene	6.7	U vs	6.7	0.69	ug/Kg	✱	02/12/24 17:46	02/13/24 00:08	1
Trichloroethene	6.7	U vs	6.7	1.5	ug/Kg	✱	02/12/24 17:46	02/13/24 00:08	1
Vinyl chloride	6.7	U vs	6.7	0.82	ug/Kg	✱	02/12/24 17:46	02/13/24 00:08	1
Xylenes, Total	13	U F1 vs	13	1.1	ug/Kg	✱	02/12/24 17:46	02/13/24 00:08	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	✱		N/A	02/12/24 17:46	02/13/24 00:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		64 - 126	02/12/24 17:46	02/13/24 00:08	1
4-Bromofluorobenzene (Surr)	102		72 - 126	02/12/24 17:46	02/13/24 00:08	1
Dibromofluoromethane (Surr)	111		60 - 140	02/12/24 17:46	02/13/24 00:08	1
Toluene-d8 (Surr)	92		71 - 125	02/12/24 17:46	02/13/24 00:08	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	140	U	140	75	ug/Kg	✱	02/13/24 08:34	02/14/24 18:05	1
2-Methylphenol	230	U	230	27	ug/Kg	✱	02/13/24 08:34	02/14/24 18:05	1
3-Methylphenol	450	U	450	36	ug/Kg	✱	02/13/24 08:34	02/14/24 18:05	1
4-Methylphenol	450	U	450	27	ug/Kg	✱	02/13/24 08:34	02/14/24 18:05	1
Acenaphthene	230	U	230	34	ug/Kg	✱	02/13/24 08:34	02/14/24 18:05	1
Acenaphthylene	230	U	230	30	ug/Kg	✱	02/13/24 08:34	02/14/24 18:05	1
Anthracene	230	U	230	58	ug/Kg	✱	02/13/24 08:34	02/14/24 18:05	1
Benzo[a]anthracene	230	U	230	23	ug/Kg	✱	02/13/24 08:34	02/14/24 18:05	1
Benzo[a]pyrene	230	U	230	34	ug/Kg	✱	02/13/24 08:34	02/14/24 18:05	1
Benzo[b]fluoranthene	230	U	230	37	ug/Kg	✱	02/13/24 08:34	02/14/24 18:05	1
Benzo[g,h,i]perylene	230	U	230	25	ug/Kg	✱	02/13/24 08:34	02/14/24 18:05	1
Benzo[k]fluoranthene	230	U	230	30	ug/Kg	✱	02/13/24 08:34	02/14/24 18:05	1
Chrysene	230	U	230	52	ug/Kg	✱	02/13/24 08:34	02/14/24 18:05	1
Dibenz(a,h)anthracene	230	U	230	41	ug/Kg	✱	02/13/24 08:34	02/14/24 18:05	1
Dibenzofuran	230	U	230	27	ug/Kg	✱	02/13/24 08:34	02/14/24 18:05	1
Fluoranthene	230	U	230	25	ug/Kg	✱	02/13/24 08:34	02/14/24 18:05	1
Fluorene	230	U	230	27	ug/Kg	✱	02/13/24 08:34	02/14/24 18:05	1
Hexachlorobenzene	230	U	230	32	ug/Kg	✱	02/13/24 08:34	02/14/24 18:05	1
Indeno[1,2,3-cd]pyrene	230	U	230	29	ug/Kg	✱	02/13/24 08:34	02/14/24 18:05	1
Naphthalene	230	U	230	30	ug/Kg	✱	02/13/24 08:34	02/14/24 18:05	1
Pentachlorophenol	450	U	450	230	ug/Kg	✱	02/13/24 08:34	02/14/24 18:05	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-10 (1-2`)

Lab Sample ID: 480-216958-11

Date Collected: 02/08/24 15:10

Matrix: Solid

Date Received: 02/09/24 09:45

Percent Solids: 72.7

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	230	U	230	34	ug/Kg	☼	02/13/24 08:34	02/14/24 18:05	1
Phenol	230	U	230	36	ug/Kg	☼	02/13/24 08:34	02/14/24 18:05	1
Pyrene	230	U	230	27	ug/Kg	☼	02/13/24 08:34	02/14/24 18:05	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	6600	T J	ug/Kg	☼	1.95	N/A	02/13/24 08:34	02/14/24 18:05	1
Unknown	570	T J	ug/Kg	☼	3.43	N/A	02/13/24 08:34	02/14/24 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	84		54 - 120	02/13/24 08:34	02/14/24 18:05	1
2-Fluorobiphenyl (Surr)	83		60 - 120	02/13/24 08:34	02/14/24 18:05	1
2-Fluorophenol (Surr)	73		52 - 120	02/13/24 08:34	02/14/24 18:05	1
Nitrobenzene-d5 (Surr)	72		53 - 120	02/13/24 08:34	02/14/24 18:05	1
Phenol-d5 (Surr)	77		54 - 120	02/13/24 08:34	02/14/24 18:05	1
p-Terphenyl-d14 (Surr)	92		79 - 130	02/13/24 08:34	02/14/24 18:05	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.8		2.9	0.57	mg/Kg	☼	02/13/24 11:21	02/14/24 21:55	1
Barium	131		0.71	0.16	mg/Kg	☼	02/13/24 11:21	02/14/24 21:55	1
Beryllium	0.91		0.29	0.040	mg/Kg	☼	02/13/24 11:21	02/14/24 21:55	1
Cadmium	0.15	J	0.29	0.043	mg/Kg	☼	02/13/24 11:21	02/14/24 21:55	1
Chromium	18.8		0.71	0.29	mg/Kg	☼	02/13/24 11:21	02/14/24 21:55	1
Copper	22.3	B	1.4	0.30	mg/Kg	☼	02/13/24 11:21	02/23/24 13:29	1
Lead	13.4		1.4	0.34	mg/Kg	☼	02/13/24 11:21	02/14/24 21:55	1
Manganese	604	B	0.29	0.046	mg/Kg	☼	02/13/24 11:21	02/14/24 21:55	1
Nickel	26.9		7.1	0.33	mg/Kg	☼	02/13/24 11:21	02/14/24 21:55	1
Selenium	0.98	J	5.7	0.57	mg/Kg	☼	02/13/24 11:21	02/14/24 21:55	1
Silver	0.86	U	0.86	0.29	mg/Kg	☼	02/13/24 11:21	02/14/24 21:55	1
Zinc	63.7		2.9	0.91	mg/Kg	☼	02/13/24 11:21	02/14/24 21:55	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026	J	0.028	0.0065	mg/Kg	☼	02/15/24 10:45	02/15/24 13:31	1

Client Sample ID: MW-1

Lab Sample ID: 480-216958-12

Date Collected: 02/08/24 16:00

Matrix: Water

Date Received: 02/09/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			02/12/24 18:08	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			02/12/24 18:08	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			02/12/24 18:08	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			02/12/24 18:08	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			02/12/24 18:08	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			02/12/24 18:08	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			02/12/24 18:08	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			02/12/24 18:08	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			02/12/24 18:08	1
1,4-Dioxane	40	U	40	9.3	ug/L			02/12/24 18:08	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: MW-1

Lab Sample ID: 480-216958-12

Date Collected: 02/08/24 16:00

Matrix: Water

Date Received: 02/09/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	10	U	10	1.3	ug/L			02/12/24 18:08	1
Acetone	6.2	J	10	3.0	ug/L			02/12/24 18:08	1
Benzene	1.0	U	1.0	0.41	ug/L			02/12/24 18:08	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			02/12/24 18:08	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			02/12/24 18:08	1
Chloroform	1.0	U	1.0	0.34	ug/L			02/12/24 18:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			02/12/24 18:08	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			02/12/24 18:08	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			02/12/24 18:08	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			02/12/24 18:08	1
n-Butylbenzene	1.0	U	1.0	0.64	ug/L			02/12/24 18:08	1
N-Propylbenzene	1.0	U	1.0	0.69	ug/L			02/12/24 18:08	1
sec-Butylbenzene	1.0	U	1.0	0.75	ug/L			02/12/24 18:08	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			02/12/24 18:08	1
Toluene	1.0	U	1.0	0.51	ug/L			02/12/24 18:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			02/12/24 18:08	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			02/12/24 18:08	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			02/12/24 18:08	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			02/12/24 18:08	1
tert-Butylbenzene	1.0	U	1.0	0.81	ug/L			02/12/24 18:08	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		02/12/24 18:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		02/12/24 18:08	1
4-Bromofluorobenzene (Surr)	98		73 - 120		02/12/24 18:08	1
Toluene-d8 (Surr)	105		80 - 120		02/12/24 18:08	1
Dibromofluoromethane (Surr)	100		75 - 123		02/12/24 18:08	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	10	U	10	1.1	ug/L		02/13/24 08:59	02/14/24 22:49	1
2-Methylphenol	5.2	U	5.2	0.42	ug/L		02/13/24 08:59	02/14/24 22:49	1
3-Methylphenol	10	U	10	0.42	ug/L		02/13/24 08:59	02/14/24 22:49	1
4-Methylphenol	10	U	10	0.38	ug/L		02/13/24 08:59	02/14/24 22:49	1
Acenaphthene	5.2	U	5.2	0.43	ug/L		02/13/24 08:59	02/14/24 22:49	1
Acenaphthylene	5.2	U	5.2	0.40	ug/L		02/13/24 08:59	02/14/24 22:49	1
Anthracene	5.2	U	5.2	0.29	ug/L		02/13/24 08:59	02/14/24 22:49	1
Benzo[a]anthracene	5.2	U	5.2	0.38	ug/L		02/13/24 08:59	02/14/24 22:49	1
Benzo[a]pyrene	5.2	U	5.2	0.49	ug/L		02/13/24 08:59	02/14/24 22:49	1
Benzo[b]fluoranthene	5.2	U	5.2	0.35	ug/L		02/13/24 08:59	02/14/24 22:49	1
Benzo[g,h,i]perylene	5.2	U	5.2	0.36	ug/L		02/13/24 08:59	02/14/24 22:49	1
Benzo[k]fluoranthene	5.2	U	5.2	0.76	ug/L		02/13/24 08:59	02/14/24 22:49	1
Chrysene	5.2	U	5.2	0.34	ug/L		02/13/24 08:59	02/14/24 22:49	1
Dibenz(a,h)anthracene	5.2	U	5.2	0.44	ug/L		02/13/24 08:59	02/14/24 22:49	1
Dibenzofuran	10	U	10	0.53	ug/L		02/13/24 08:59	02/14/24 22:49	1
Fluoranthene	5.2	U	5.2	0.42	ug/L		02/13/24 08:59	02/14/24 22:49	1
Fluorene	5.2	U	5.2	0.38	ug/L		02/13/24 08:59	02/14/24 22:49	1
Hexachlorobenzene	5.2	U	5.2	0.53	ug/L		02/13/24 08:59	02/14/24 22:49	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: MW-1

Lab Sample ID: 480-216958-12

Date Collected: 02/08/24 16:00

Matrix: Water

Date Received: 02/09/24 09:45

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	5.2	U	5.2	0.49	ug/L		02/13/24 08:59	02/14/24 22:49	1
Naphthalene	5.2	U	5.2	0.79	ug/L		02/13/24 08:59	02/14/24 22:49	1
Pentachlorophenol	10	U	10	2.3	ug/L		02/13/24 08:59	02/14/24 22:49	1
Phenanthrene	5.2	U	5.2	0.46	ug/L		02/13/24 08:59	02/14/24 22:49	1
Phenol	0.50	J	5.2	0.41	ug/L		02/13/24 08:59	02/14/24 22:49	1
Pyrene	5.2	U	5.2	0.35	ug/L		02/13/24 08:59	02/14/24 22:49	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	26	T J	ug/L		3.02	N/A	02/13/24 08:59	02/14/24 22:49	1
Unknown	1.8	T J	ug/L		3.21	N/A	02/13/24 08:59	02/14/24 22:49	1
Unknown	460	T J	ug/L		3.45	N/A	02/13/24 08:59	02/14/24 22:49	1
Unknown	53	T J	ug/L		5.21	N/A	02/13/24 08:59	02/14/24 22:49	1
Unknown	2.1	T J	ug/L		6.25	N/A	02/13/24 08:59	02/14/24 22:49	1
Unknown	7.9	T J	ug/L		6.64	N/A	02/13/24 08:59	02/14/24 22:49	1
Pentanedioic acid, dimethyl ester	2.1	T J N	ug/L		7.25	1119-40-0	02/13/24 08:59	02/14/24 22:49	1
Octanoic Acid	1.8	T J N	ug/L		7.43	124-07-2	02/13/24 08:59	02/14/24 22:49	1
Unknown	5.3	T J	ug/L		7.94	N/A	02/13/24 08:59	02/14/24 22:49	1
Unknown	2.5	T J	ug/L		10.62	N/A	02/13/24 08:59	02/14/24 22:49	1
Unknown	3.0	T J	ug/L		12.02	N/A	02/13/24 08:59	02/14/24 22:49	1
Unknown	4.6	T J	ug/L		13.17	N/A	02/13/24 08:59	02/14/24 22:49	1
Erucylamide	2.5	T J N	ug/L		14.29	112-84-5	02/13/24 08:59	02/14/24 22:49	1
Unknown	3.2	T J	ug/L		14.52	N/A	02/13/24 08:59	02/14/24 22:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	91		46 - 120	02/13/24 08:59	02/14/24 22:49	1
p-Terphenyl-d14 (Surr)	95		60 - 148	02/13/24 08:59	02/14/24 22:49	1
Phenol-d5 (Surr)	53		22 - 120	02/13/24 08:59	02/14/24 22:49	1
2-Fluorophenol (Surr)	69		35 - 120	02/13/24 08:59	02/14/24 22:49	1
2,4,6-Tribromophenol (Surr)	94		41 - 120	02/13/24 08:59	02/14/24 22:49	1
2-Fluorobiphenyl (Surr)	102		48 - 120	02/13/24 08:59	02/14/24 22:49	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.042		0.030	0.0085	mg/L		02/12/24 10:25	02/13/24 18:46	5
Arsenic	0.37		0.075	0.028	mg/L		02/12/24 10:25	02/13/24 18:46	5
Barium	5.1		0.010	0.0035	mg/L		02/12/24 10:25	02/13/24 18:46	5
Beryllium	0.040		0.010	0.0015	mg/L		02/12/24 10:25	02/13/24 18:46	5
Cadmium	0.0077	J	0.010	0.0025	mg/L		02/12/24 10:25	02/13/24 18:46	5
Chromium	0.90		0.020	0.0050	mg/L		02/12/24 10:25	02/13/24 18:46	5
Copper	2.3		0.050	0.0080	mg/L		02/12/24 10:25	02/13/24 18:46	5
Manganese	27.6	B	0.015	0.0020	mg/L		02/12/24 10:25	02/13/24 18:46	5
Nickel	1.6		0.010	0.0013	mg/L		02/12/24 10:25	02/12/24 22:40	1
Lead	15.5		0.010	0.0030	mg/L		02/12/24 10:25	02/12/24 22:40	1
Selenium	0.061	J	0.13	0.044	mg/L		02/12/24 10:25	02/13/24 18:46	5
Zinc	4.9	B	0.050	0.0075	mg/L		02/12/24 10:25	02/13/24 18:46	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.098		0.0012	0.00026	mg/L		02/14/24 12:08	02/14/24 16:29	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: MW-2

Lab Sample ID: 480-216958-13

Date Collected: 02/08/24 17:00

Matrix: Water

Date Received: 02/09/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			02/12/24 18:31	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			02/12/24 18:31	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			02/12/24 18:31	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			02/12/24 18:31	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			02/12/24 18:31	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			02/12/24 18:31	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			02/12/24 18:31	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			02/12/24 18:31	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			02/12/24 18:31	1
1,4-Dioxane	40	U	40	9.3	ug/L			02/12/24 18:31	1
2-Butanone (MEK)	1.3	J	10	1.3	ug/L			02/12/24 18:31	1
Acetone	10		10	3.0	ug/L			02/12/24 18:31	1
Benzene	1.0	U	1.0	0.41	ug/L			02/12/24 18:31	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			02/12/24 18:31	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			02/12/24 18:31	1
Chloroform	1.0	U	1.0	0.34	ug/L			02/12/24 18:31	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			02/12/24 18:31	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			02/12/24 18:31	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			02/12/24 18:31	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			02/12/24 18:31	1
n-Butylbenzene	1.0	U	1.0	0.64	ug/L			02/12/24 18:31	1
N-Propylbenzene	1.0	U	1.0	0.69	ug/L			02/12/24 18:31	1
sec-Butylbenzene	1.0	U	1.0	0.75	ug/L			02/12/24 18:31	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			02/12/24 18:31	1
Toluene	1.0	U	1.0	0.51	ug/L			02/12/24 18:31	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			02/12/24 18:31	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			02/12/24 18:31	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			02/12/24 18:31	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			02/12/24 18:31	1
tert-Butylbenzene	1.0	U	1.0	0.81	ug/L			02/12/24 18:31	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	5.6	T J	ug/L		10.70	N/A		02/12/24 18:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		02/12/24 18:31	1
4-Bromofluorobenzene (Surr)	96		73 - 120		02/12/24 18:31	1
Toluene-d8 (Surr)	106		80 - 120		02/12/24 18:31	1
Dibromofluoromethane (Surr)	103		75 - 123		02/12/24 18:31	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	11	U	11	1.3	ug/L		02/13/24 08:59	02/14/24 23:16	1
2-Methylphenol	5.7	U	5.7	0.45	ug/L		02/13/24 08:59	02/14/24 23:16	1
3-Methylphenol	11	U	11	0.45	ug/L		02/13/24 08:59	02/14/24 23:16	1
4-Methylphenol	11	U	11	0.41	ug/L		02/13/24 08:59	02/14/24 23:16	1
Acenaphthene	5.7	U	5.7	0.47	ug/L		02/13/24 08:59	02/14/24 23:16	1
Acenaphthylene	5.7	U	5.7	0.43	ug/L		02/13/24 08:59	02/14/24 23:16	1
Anthracene	5.7	U	5.7	0.32	ug/L		02/13/24 08:59	02/14/24 23:16	1
Benzo[a]anthracene	5.7	U	5.7	0.41	ug/L		02/13/24 08:59	02/14/24 23:16	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: MW-2

Lab Sample ID: 480-216958-13

Date Collected: 02/08/24 17:00

Matrix: Water

Date Received: 02/09/24 09:45

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	5.7	U	5.7	0.53	ug/L		02/13/24 08:59	02/14/24 23:16	1
Benzo[b]fluoranthene	5.7	U	5.7	0.39	ug/L		02/13/24 08:59	02/14/24 23:16	1
Benzo[g,h,i]perylene	5.7	U	5.7	0.40	ug/L		02/13/24 08:59	02/14/24 23:16	1
Benzo[k]fluoranthene	5.7	U	5.7	0.83	ug/L		02/13/24 08:59	02/14/24 23:16	1
Chrysene	5.7	U	5.7	0.38	ug/L		02/13/24 08:59	02/14/24 23:16	1
Dibenz(a,h)anthracene	5.7	U	5.7	0.48	ug/L		02/13/24 08:59	02/14/24 23:16	1
Dibenzofuran	11	U	11	0.58	ug/L		02/13/24 08:59	02/14/24 23:16	1
Fluoranthene	5.7	U	5.7	0.45	ug/L		02/13/24 08:59	02/14/24 23:16	1
Fluorene	5.7	U	5.7	0.41	ug/L		02/13/24 08:59	02/14/24 23:16	1
Hexachlorobenzene	5.7	U	5.7	0.58	ug/L		02/13/24 08:59	02/14/24 23:16	1
Indeno[1,2,3-cd]pyrene	5.7	U	5.7	0.53	ug/L		02/13/24 08:59	02/14/24 23:16	1
Naphthalene	5.7	U	5.7	0.86	ug/L		02/13/24 08:59	02/14/24 23:16	1
Pentachlorophenol	11	U	11	2.5	ug/L		02/13/24 08:59	02/14/24 23:16	1
Phenanthrene	5.7	U	5.7	0.50	ug/L		02/13/24 08:59	02/14/24 23:16	1
Phenol	0.63	J	5.7	0.44	ug/L		02/13/24 08:59	02/14/24 23:16	1
Pyrene	5.7	U	5.7	0.39	ug/L		02/13/24 08:59	02/14/24 23:16	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Acetic acid	3.5	T J N	ug/L		2.55	64-19-7	02/13/24 08:59	02/14/24 23:16	1
Unknown	31	T J	ug/L		3.02	N/A	02/13/24 08:59	02/14/24 23:16	1
Unknown	2.1	T J	ug/L		3.21	N/A	02/13/24 08:59	02/14/24 23:16	1
Unknown	31	T J	ug/L		3.36	N/A	02/13/24 08:59	02/14/24 23:16	1
Unknown	380	T J	ug/L		3.45	N/A	02/13/24 08:59	02/14/24 23:16	1
Butanoic acid	3.1	T J N	ug/L		4.67	107-92-6	02/13/24 08:59	02/14/24 23:16	1
Unknown	58	T J	ug/L		5.21	N/A	02/13/24 08:59	02/14/24 23:16	1
Unknown	2.5	T J	ug/L		6.25	N/A	02/13/24 08:59	02/14/24 23:16	1
Unknown	34	T J	ug/L		6.64	N/A	02/13/24 08:59	02/14/24 23:16	1
Octanoic Acid	2.5	T J N	ug/L		7.43	124-07-2	02/13/24 08:59	02/14/24 23:16	1
Unknown	4.6	T J	ug/L		7.94	N/A	02/13/24 08:59	02/14/24 23:16	1
Unknown	8.4	T J	ug/L		11.78	N/A	02/13/24 08:59	02/14/24 23:16	1
Unknown	2.6	T J	ug/L		12.02	N/A	02/13/24 08:59	02/14/24 23:16	1
Unknown	3.3	T J	ug/L		13.18	N/A	02/13/24 08:59	02/14/24 23:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	87		46 - 120	02/13/24 08:59	02/14/24 23:16	1
p-Terphenyl-d14 (Surr)	93		60 - 148	02/13/24 08:59	02/14/24 23:16	1
Phenol-d5 (Surr)	60		22 - 120	02/13/24 08:59	02/14/24 23:16	1
2-Fluorophenol (Surr)	75		35 - 120	02/13/24 08:59	02/14/24 23:16	1
2,4,6-Tribromophenol (Surr)	95		41 - 120	02/13/24 08:59	02/14/24 23:16	1
2-Fluorobiphenyl (Surr)	101		48 - 120	02/13/24 08:59	02/14/24 23:16	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.039		0.030	0.0085	mg/L		02/12/24 10:25	02/13/24 19:03	5
Arsenic	0.37		0.075	0.028	mg/L		02/12/24 10:25	02/13/24 19:03	5
Barium	4.5		0.010	0.0035	mg/L		02/12/24 10:25	02/13/24 19:03	5
Beryllium	0.043		0.010	0.0015	mg/L		02/12/24 10:25	02/13/24 19:03	5
Cadmium	0.012		0.010	0.0025	mg/L		02/12/24 10:25	02/13/24 19:03	5
Chromium	1.2		0.020	0.0050	mg/L		02/12/24 10:25	02/13/24 19:03	5
Copper	1.6		0.050	0.0080	mg/L		02/12/24 10:25	02/13/24 19:03	5

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: MW-2

Lab Sample ID: 480-216958-13

Date Collected: 02/08/24 17:00

Matrix: Water

Date Received: 02/09/24 09:45

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	38.1	B	0.015	0.0020	mg/L		02/12/24 10:25	02/13/24 19:03	5
Nickel	1.8		0.010	0.0013	mg/L		02/12/24 10:25	02/12/24 22:44	1
Lead	2.8		0.010	0.0030	mg/L		02/12/24 10:25	02/12/24 22:44	1
Selenium	0.061	J	0.13	0.044	mg/L		02/12/24 10:25	02/13/24 19:03	5
Zinc	4.0	B	0.050	0.0075	mg/L		02/12/24 10:25	02/13/24 19:03	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0091		0.0012	0.00026	mg/L		02/14/24 12:08	02/14/24 16:30	1

Surrogate Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (64-126)	BFB (72-126)	DBFM (60-140)	TOL (71-125)
480-216958-1	B-11 (2-3')	107	107	115	93
480-216958-2	B-1 (2.5-4.5')	110	104	112	94
480-216958-3	B-2 (4-5')	108	105	110	92
480-216958-4	B-3 (2-4')	104	105	110	92
480-216958-5	B-4 (6-8')	108	105	109	93
480-216958-6	B-5 (1-2')	105	105	109	92
480-216958-7	B-6 (3-4')	108	101	114	93
480-216958-8	B-7 (1-2')	104	107	109	92
480-216958-9	B-8 (2-4')	114	105	110	93
480-216958-10	B-9 (1-3')	112	106	115	93
480-216958-11	B-10 (1-2')	111	102	111	92
480-216958-11 MS	B-10 (1-2')	90	100	105	96
480-216958-11 MSD	B-10 (1-2')	94	100	106	96
LCS 480-700440/1-A	Lab Control Sample	101	107	109	95
LCS 480-700559/1-A	Lab Control Sample	102	105	108	94
MB 480-700440/2-A	Method Blank	103	106	109	95
MB 480-700559/2-A	Method Blank	101	107	106	93

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-216958-12	MW-1	104	98	105	100
480-216958-13	MW-2	105	96	106	103
LCS 480-700465/6	Lab Control Sample	102	93	105	103
MB 480-700465/8	Method Blank	101	96	111	102

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (54-120)	FBP (60-120)	2FP (52-120)	NBZ (53-120)	PHL (54-120)	TPHd14 (79-130)
480-216958-1	B-11 (2-3')	93	84	78	78	83	97
480-216958-2	B-1 (2.5-4.5')	84	82	76	77	79	109
480-216958-3	B-2 (4-5')	88	89	81	84	88	110
480-216958-4	B-3 (2-4')	102	94	88	84	79	84

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Surrogate Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (54-120)	FBP (60-120)	2FP (52-120)	NBZ (53-120)	PHL (54-120)	TPHd14 (79-130)
480-216958-5	B-4 (6-8')	87	80	64	72	68	87
480-216958-6	B-5 (1-2')	97	88	85	76	82	82
480-216958-7	B-6 (3-4')	88	63	60	55	63	94
480-216958-8	B-7 (1-2')	85	69	66	63	71	87
480-216958-9	B-8 (2-4')	82	87	76	69	75	86
480-216958-10	B-9 (1-3')	88	70	62	65	67	95
480-216958-11	B-10 (1-2')	84	83	73	72	77	92
LCS 480-700596/2-A	Lab Control Sample	102	80	72	75	77	119
MB 480-700596/1-A	Method Blank	81	83	77	75	82	102

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (46-120)	TPHd14 (60-148)	PHL (22-120)	2FP (35-120)	TBP (41-120)	FBP (48-120)
480-216958-12	MW-1	91	95	53	69	94	102
480-216958-13	MW-2	87	93	60	75	95	101
LCS 480-700602/2-A	Lab Control Sample	81	95	51	64	86	80
MB 480-700602/1-A	Method Blank	72	94	42	58	65	80

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)
2FP = 2-Fluorophenol (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)

QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-700440/2-A

Matrix: Solid

Analysis Batch: 700441

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 700440

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
1,2,4-Trimethylbenzene	5.0	U	5.0	0.96	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
1,3,5-Trimethylbenzene	5.0	U	5.0	0.32	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
1,4-Dioxane	100	U	100	22	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
Acetone	25	U	25	4.2	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
Benzene	5.0	U	5.0	0.25	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
n-Butylbenzene	5.0	U	5.0	0.44	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
N-Propylbenzene	5.0	U	5.0	0.40	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
sec-Butylbenzene	5.0	U	5.0	0.44	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
Toluene	5.0	U	5.0	0.38	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
tert-Butylbenzene	5.0	U	5.0	0.52	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		02/11/24 07:25	02/11/24 11:00	1
Xylenes, Total	10	U	10	0.84	ug/Kg		02/11/24 07:25	02/11/24 11:00	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg			N/A	02/11/24 07:25	02/11/24 11:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		64 - 126	02/11/24 07:25	02/11/24 11:00	1
4-Bromofluorobenzene (Surr)	106		72 - 126	02/11/24 07:25	02/11/24 11:00	1
Toluene-d8 (Surr)	95		71 - 125	02/11/24 07:25	02/11/24 11:00	1
Dibromofluoromethane (Surr)	109		60 - 140	02/11/24 07:25	02/11/24 11:00	1

Lab Sample ID: LCS 480-700440/1-A

Matrix: Solid

Analysis Batch: 700441

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 700440

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	63.9	*+	ug/Kg		128	77 - 121
1,1-Dichloroethane	50.0	60.2		ug/Kg		120	73 - 126
1,1-Dichloroethene	50.0	62.1		ug/Kg		124	59 - 125

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-700440/1-A

Matrix: Solid

Analysis Batch: 700441

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 700440

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trimethylbenzene	50.0	52.5		ug/Kg		105	74 - 120
1,2-Dichlorobenzene	50.0	50.9		ug/Kg		102	75 - 120
1,2-Dichloroethane	50.0	58.6		ug/Kg		117	77 - 122
1,3,5-Trimethylbenzene	50.0	53.6		ug/Kg		107	74 - 120
1,3-Dichlorobenzene	50.0	52.0		ug/Kg		104	74 - 120
1,4-Dichlorobenzene	50.0	50.6		ug/Kg		101	73 - 120
1,4-Dioxane	1000	1120		ug/Kg		112	64 - 124
2-Butanone (MEK)	250	329		ug/Kg		132	70 - 134
Acetone	250	328		ug/Kg		131	61 - 137
Benzene	50.0	59.9		ug/Kg		120	79 - 127
Carbon tetrachloride	50.0	65.3		ug/Kg		131	75 - 135
Chlorobenzene	50.0	53.7		ug/Kg		107	76 - 124
Chloroform	50.0	60.1		ug/Kg		120	80 - 120
cis-1,2-Dichloroethene	50.0	60.2		ug/Kg		120	81 - 120
Ethylbenzene	50.0	56.3		ug/Kg		113	80 - 120
Methyl tert-butyl ether	50.0	57.6		ug/Kg		115	63 - 125
Methylene Chloride	50.0	60.6		ug/Kg		121	61 - 127
n-Butylbenzene	50.0	53.8		ug/Kg		108	70 - 120
N-Propylbenzene	50.0	54.1		ug/Kg		108	70 - 130
sec-Butylbenzene	50.0	54.9		ug/Kg		110	74 - 120
Tetrachloroethene	50.0	59.8		ug/Kg		120	74 - 122
Toluene	50.0	55.4		ug/Kg		111	74 - 128
trans-1,2-Dichloroethene	50.0	62.3		ug/Kg		125	78 - 126
Trichloroethene	50.0	61.7		ug/Kg		123	77 - 129
tert-Butylbenzene	50.0	53.4		ug/Kg		107	73 - 120
Vinyl chloride	50.0	57.1		ug/Kg		114	61 - 133
Xylenes, Total	100	110		ug/Kg		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		64 - 126
4-Bromofluorobenzene (Surr)	107		72 - 126
Toluene-d8 (Surr)	95		71 - 125
Dibromofluoromethane (Surr)	109		60 - 140

Lab Sample ID: MB 480-700465/8

Matrix: Water

Analysis Batch: 700465

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			02/12/24 12:36	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			02/12/24 12:36	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			02/12/24 12:36	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			02/12/24 12:36	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			02/12/24 12:36	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			02/12/24 12:36	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			02/12/24 12:36	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			02/12/24 12:36	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			02/12/24 12:36	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-700465/8

Matrix: Water

Analysis Batch: 700465

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	40	U	40	9.3	ug/L			02/12/24 12:36	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			02/12/24 12:36	1
Acetone	10	U	10	3.0	ug/L			02/12/24 12:36	1
Benzene	1.0	U	1.0	0.41	ug/L			02/12/24 12:36	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			02/12/24 12:36	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			02/12/24 12:36	1
Chloroform	1.0	U	1.0	0.34	ug/L			02/12/24 12:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			02/12/24 12:36	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			02/12/24 12:36	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			02/12/24 12:36	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			02/12/24 12:36	1
n-Butylbenzene	1.0	U	1.0	0.64	ug/L			02/12/24 12:36	1
N-Propylbenzene	1.0	U	1.0	0.69	ug/L			02/12/24 12:36	1
sec-Butylbenzene	1.0	U	1.0	0.75	ug/L			02/12/24 12:36	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			02/12/24 12:36	1
Toluene	1.0	U	1.0	0.51	ug/L			02/12/24 12:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			02/12/24 12:36	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			02/12/24 12:36	1
tert-Butylbenzene	1.0	U	1.0	0.81	ug/L			02/12/24 12:36	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			02/12/24 12:36	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			02/12/24 12:36	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		02/12/24 12:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		02/12/24 12:36	1
4-Bromofluorobenzene (Surr)	96		73 - 120		02/12/24 12:36	1
Toluene-d8 (Surr)	111		80 - 120		02/12/24 12:36	1
Dibromofluoromethane (Surr)	102		75 - 123		02/12/24 12:36	1

Lab Sample ID: LCS 480-700465/6

Matrix: Water

Analysis Batch: 700465

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	25.7		ug/L		103	73 - 126
1,1-Dichloroethane	25.0	25.8		ug/L		103	77 - 120
1,1-Dichloroethene	25.0	27.4		ug/L		110	66 - 127
1,2,4-Trimethylbenzene	25.0	27.1		ug/L		108	76 - 121
1,2-Dichlorobenzene	25.0	26.2		ug/L		105	80 - 124
1,2-Dichloroethane	25.0	26.0		ug/L		104	75 - 120
1,3,5-Trimethylbenzene	25.0	28.2		ug/L		113	77 - 121
1,3-Dichlorobenzene	25.0	25.6		ug/L		102	77 - 120
1,4-Dichlorobenzene	25.0	25.8		ug/L		103	80 - 120
1,4-Dioxane	500	278		ug/L		56	50 - 150
2-Butanone (MEK)	125	111		ug/L		89	57 - 140
Acetone	125	115		ug/L		92	56 - 142

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-700465/6

Matrix: Water

Analysis Batch: 700465

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	27.0		ug/L		108	71 - 124
Carbon tetrachloride	25.0	26.8		ug/L		107	72 - 134
Chlorobenzene	25.0	26.0		ug/L		104	80 - 120
Chloroform	25.0	25.1		ug/L		100	73 - 127
cis-1,2-Dichloroethene	25.0	26.3		ug/L		105	74 - 124
Ethylbenzene	25.0	25.1		ug/L		100	77 - 123
Methyl tert-butyl ether	25.0	25.9		ug/L		104	77 - 120
Methylene Chloride	25.0	28.8		ug/L		115	75 - 124
n-Butylbenzene	25.0	26.8		ug/L		107	71 - 128
N-Propylbenzene	25.0	27.3		ug/L		109	75 - 127
sec-Butylbenzene	25.0	29.3		ug/L		117	74 - 127
Tetrachloroethene	25.0	28.1		ug/L		112	74 - 122
Toluene	25.0	27.3		ug/L		109	80 - 122
trans-1,2-Dichloroethene	25.0	26.2		ug/L		105	73 - 127
Trichloroethene	25.0	27.8		ug/L		111	74 - 123
tert-Butylbenzene	25.0	30.1		ug/L		120	75 - 123
Vinyl chloride	25.0	25.0		ug/L		100	65 - 133
Xylenes, Total	50.0	52.2		ug/L		104	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		77 - 120
4-Bromofluorobenzene (Surr)	93		73 - 120
Toluene-d8 (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	103		75 - 123

Lab Sample ID: MB 480-700559/2-A

Matrix: Solid

Analysis Batch: 700562

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 700559

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
1,2,4-Trimethylbenzene	5.0	U	5.0	0.96	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
1,3,5-Trimethylbenzene	5.0	U	5.0	0.32	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
1,4-Dioxane	100	U	100	22	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
Acetone	25	U	25	4.2	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
Benzene	5.0	U	5.0	0.25	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		02/12/24 17:46	02/12/24 21:07	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-700559/2-A

Matrix: Solid

Analysis Batch: 700562

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 700559

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
n-Butylbenzene	5.0	U	5.0	0.44	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
N-Propylbenzene	5.0	U	5.0	0.40	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
sec-Butylbenzene	5.0	U	5.0	0.44	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
Toluene	5.0	U	5.0	0.38	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
tert-Butylbenzene	5.0	U	5.0	0.52	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		02/12/24 17:46	02/12/24 21:07	1
Xylenes, Total	10	U	10	0.84	ug/Kg		02/12/24 17:46	02/12/24 21:07	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg			N/A	02/12/24 17:46	02/12/24 21:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		64 - 126	02/12/24 17:46	02/12/24 21:07	1
4-Bromofluorobenzene (Surr)	107		72 - 126	02/12/24 17:46	02/12/24 21:07	1
Toluene-d8 (Surr)	93		71 - 125	02/12/24 17:46	02/12/24 21:07	1
Dibromofluoromethane (Surr)	106		60 - 140	02/12/24 17:46	02/12/24 21:07	1

Lab Sample ID: LCS 480-700559/1-A

Matrix: Solid

Analysis Batch: 700562

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 700559

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	54.9		ug/Kg		110	77 - 121
1,1-Dichloroethane	50.0	55.6		ug/Kg		111	73 - 126
1,1-Dichloroethene	50.0	52.5		ug/Kg		105	59 - 125
1,2,4-Trimethylbenzene	50.0	46.5		ug/Kg		93	74 - 120
1,2-Dichlorobenzene	50.0	47.1		ug/Kg		94	75 - 120
1,2-Dichloroethane	50.0	57.5		ug/Kg		115	77 - 122
1,3,5-Trimethylbenzene	50.0	46.4		ug/Kg		93	74 - 120
1,3-Dichlorobenzene	50.0	46.5		ug/Kg		93	74 - 120
1,4-Dichlorobenzene	50.0	46.4		ug/Kg		93	73 - 120
1,4-Dioxane	1000	1200		ug/Kg		120	64 - 124
2-Butanone (MEK)	250	325		ug/Kg		130	70 - 134
Acetone	250	320		ug/Kg		128	61 - 137
Benzene	50.0	54.3		ug/Kg		109	79 - 127
Carbon tetrachloride	50.0	56.5		ug/Kg		113	75 - 135
Chlorobenzene	50.0	49.2		ug/Kg		98	76 - 124
Chloroform	50.0	55.0		ug/Kg		110	80 - 120
cis-1,2-Dichloroethene	50.0	55.8		ug/Kg		112	81 - 120
Ethylbenzene	50.0	48.8		ug/Kg		98	80 - 120
Methyl tert-butyl ether	50.0	56.1		ug/Kg		112	63 - 125
Methylene Chloride	50.0	57.2		ug/Kg		114	61 - 127
n-Butylbenzene	50.0	46.2		ug/Kg		92	70 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-700559/1-A

Matrix: Solid

Analysis Batch: 700562

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 700559

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-Propylbenzene	50.0	46.1		ug/Kg		92	70 - 130
sec-Butylbenzene	50.0	46.3		ug/Kg		93	74 - 120
Tetrachloroethene	50.0	49.2		ug/Kg		98	74 - 122
Toluene	50.0	47.0		ug/Kg		94	74 - 128
trans-1,2-Dichloroethene	50.0	55.8		ug/Kg		112	78 - 126
Trichloroethene	50.0	55.5		ug/Kg		111	77 - 129
tert-Butylbenzene	50.0	45.6		ug/Kg		91	73 - 120
Vinyl chloride	50.0	50.9		ug/Kg		102	61 - 133
Xylenes, Total	100	97.0		ug/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		64 - 126
4-Bromofluorobenzene (Surr)	105		72 - 126
Toluene-d8 (Surr)	94		71 - 125
Dibromofluoromethane (Surr)	108		60 - 140

Lab Sample ID: 480-216958-11 MS

Matrix: Solid

Analysis Batch: 700562

Client Sample ID: B-10 (1-2')

Prep Type: Total/NA

Prep Batch: 700559

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	6.7	U vs	68.5	70.4	vs	ug/Kg	✱	103	77 - 121
1,1-Dichloroethane	6.7	U vs	68.5	69.1	vs	ug/Kg	✱	101	73 - 126
1,1-Dichloroethene	6.7	U vs	68.5	61.9	vs	ug/Kg	✱	90	59 - 125
1,2,4-Trimethylbenzene	6.7	U F1 vs	68.5	41.0	F1 vs	ug/Kg	✱	60	74 - 120
1,2-Dichlorobenzene	6.7	U F1 vs	68.5	30.3	F1 vs	ug/Kg	✱	44	75 - 120
1,2-Dichloroethane	6.7	U vs	68.5	57.6	vs	ug/Kg	✱	84	77 - 122
1,3,5-Trimethylbenzene	6.7	U F1 vs	68.5	46.3	F1 vs	ug/Kg	✱	68	74 - 120
1,3-Dichlorobenzene	6.7	U F1 vs	68.5	28.8	F1 vs	ug/Kg	✱	42	74 - 120
1,4-Dichlorobenzene	6.7	U F1 vs	68.5	27.9	F1 vs	ug/Kg	✱	41	73 - 120
1,4-Dioxane	130	U F1 vs	1370	876	vs	ug/Kg	✱	64	64 - 124
2-Butanone (MEK)	34	U vs	342	252	vs	ug/Kg	✱	74	70 - 134
Acetone	34	U vs	342	280	vs	ug/Kg	✱	82	61 - 137
Benzene	6.7	U vs	68.5	63.2	vs	ug/Kg	✱	92	79 - 127
Carbon tetrachloride	6.7	U vs	68.5	70.3	vs	ug/Kg	✱	103	75 - 135
Chlorobenzene	6.7	U F1 vs	68.5	43.7	F1 vs	ug/Kg	✱	64	76 - 124
Chloroform	6.7	U vs	68.5	66.0	vs	ug/Kg	✱	96	80 - 120
cis-1,2-Dichloroethene	6.7	U vs	68.5	61.9	vs	ug/Kg	✱	90	80 - 120
Ethylbenzene	6.7	U F1 vs	68.5	47.0	F1 vs	ug/Kg	✱	69	80 - 120
Methyl tert-butyl ether	6.7	U vs	68.5	62.6	vs	ug/Kg	✱	91	63 - 125
Methylene Chloride	6.7	U vs	68.5	70.8	vs	ug/Kg	✱	103	61 - 127
n-Butylbenzene	6.7	U F1 vs	68.5	21.6	F1 vs	ug/Kg	✱	32	70 - 120
N-Propylbenzene	6.7	U F1 vs	68.5	38.6	F1 vs	ug/Kg	✱	56	70 - 130
sec-Butylbenzene	6.7	U F1 vs	68.5	40.4	F1 vs	ug/Kg	✱	59	74 - 120
Tetrachloroethene	6.7	U F1 vs	68.5	48.2	F1 vs	ug/Kg	✱	70	74 - 122
Toluene	6.7	U vs	68.5	51.8	vs	ug/Kg	✱	76	74 - 128
trans-1,2-Dichloroethene	6.7	U vs	68.5	60.7	vs	ug/Kg	✱	89	78 - 126
Trichloroethene	6.7	U vs	68.5	55.7	vs	ug/Kg	✱	81	77 - 129

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-216958-11 MS

Matrix: Solid

Analysis Batch: 700562

Client Sample ID: B-10 (1-2')

Prep Type: Total/NA

Prep Batch: 700559

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
tert-Butylbenzene	6.7	U vs	68.5	51.9	vs	ug/Kg	✱	76	73 - 120
Vinyl chloride	6.7	U vs	68.5	66.5	vs	ug/Kg	✱	97	61 - 133
Xylenes, Total	13	U F1 vs	137	94.8	F1 vs	ug/Kg	✱	69	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	90		64 - 126						
4-Bromofluorobenzene (Surr)	100		72 - 126						
Toluene-d8 (Surr)	96		71 - 125						
Dibromofluoromethane (Surr)	105		60 - 140						

Lab Sample ID: 480-216958-11 MSD

Matrix: Solid

Analysis Batch: 700562

Client Sample ID: B-10 (1-2')

Prep Type: Total/NA

Prep Batch: 700559

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
1,1,1-Trichloroethane	6.7	U vs	67.3	68.7	vs	ug/Kg	✱	102	77 - 121	2	30
1,1-Dichloroethane	6.7	U vs	67.3	67.5	vs	ug/Kg	✱	100	73 - 126	2	30
1,1-Dichloroethene	6.7	U vs	67.3	61.4	vs	ug/Kg	✱	91	59 - 125	1	30
1,2,4-Trimethylbenzene	6.7	U F1 vs	67.3	37.2	F1 vs	ug/Kg	✱	55	74 - 120	10	30
1,2-Dichlorobenzene	6.7	U F1 vs	67.3	27.6	F1 vs	ug/Kg	✱	41	75 - 120	9	30
1,2-Dichloroethane	6.7	U vs	67.3	58.1	vs	ug/Kg	✱	86	77 - 122	1	30
1,3,5-Trimethylbenzene	6.7	U F1 vs	67.3	41.8	F1 vs	ug/Kg	✱	62	74 - 120	10	30
1,3-Dichlorobenzene	6.7	U F1 vs	67.3	24.1	F1 vs	ug/Kg	✱	36	74 - 120	18	30
1,4-Dichlorobenzene	6.7	U F1 vs	67.3	24.0	F1 vs	ug/Kg	✱	36	73 - 120	15	30
1,4-Dioxane	130	U F1 vs	1350	820	F1 vs	ug/Kg	✱	61	64 - 124	7	30
2-Butanone (MEK)	34	U vs	336	258	vs	ug/Kg	✱	77	70 - 134	2	30
Acetone	34	U vs	336	279	vs	ug/Kg	✱	83	61 - 137	0	30
Benzene	6.7	U vs	67.3	62.1	vs	ug/Kg	✱	92	79 - 127	2	30
Carbon tetrachloride	6.7	U vs	67.3	69.4	vs	ug/Kg	✱	103	75 - 135	1	30
Chlorobenzene	6.7	U F1 vs	67.3	43.1	F1 vs	ug/Kg	✱	64	76 - 124	1	30
Chloroform	6.7	U vs	67.3	66.9	vs	ug/Kg	✱	100	80 - 120	1	30
cis-1,2-Dichloroethene	6.7	U vs	67.3	60.4	vs	ug/Kg	✱	90	80 - 120	2	30
Ethylbenzene	6.7	U F1 vs	67.3	44.4	F1 vs	ug/Kg	✱	66	80 - 120	6	30
Methyl tert-butyl ether	6.7	U vs	67.3	62.2	vs	ug/Kg	✱	92	63 - 125	1	30
Methylene Chloride	6.7	U vs	67.3	70.1	vs	ug/Kg	✱	104	61 - 127	1	30
n-Butylbenzene	6.7	U F1 vs	67.3	17.2	F1 vs	ug/Kg	✱	26	70 - 120	23	30
N-Propylbenzene	6.7	U F1 vs	67.3	32.9	F1 vs	ug/Kg	✱	49	70 - 130	16	30
sec-Butylbenzene	6.7	U F1 vs	67.3	35.0	F1 vs	ug/Kg	✱	52	74 - 120	14	30
Tetrachloroethene	6.7	U F1 vs	67.3	44.1	F1 vs	ug/Kg	✱	66	74 - 122	9	30
Toluene	6.7	U vs	67.3	50.1	vs	ug/Kg	✱	74	74 - 128	3	30
trans-1,2-Dichloroethene	6.7	U vs	67.3	58.9	vs	ug/Kg	✱	88	78 - 126	3	30
Trichloroethene	6.7	U vs	67.3	52.7	vs	ug/Kg	✱	78	77 - 129	6	30
tert-Butylbenzene	6.7	U vs	67.3	49.1	vs	ug/Kg	✱	73	73 - 120	5	30
Vinyl chloride	6.7	U vs	67.3	63.5	vs	ug/Kg	✱	94	61 - 133	5	30
Xylenes, Total	13	U F1 vs	135	89.7	F1 vs	ug/Kg	✱	67	70 - 130	6	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	94		64 - 126								

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-216958-11 MSD

Matrix: Solid

Analysis Batch: 700562

Client Sample ID: B-10 (1-2')

Prep Type: Total/NA

Prep Batch: 700559

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		72 - 126
Toluene-d8 (Surr)	96		71 - 125
Dibromofluoromethane (Surr)	106		60 - 140

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-700596/1-A

Matrix: Solid

Analysis Batch: 700718

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 700596

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	99	U	99	55	ug/Kg		02/13/24 08:34	02/14/24 10:39	1
2-Methylphenol	170	U	170	20	ug/Kg		02/13/24 08:34	02/14/24 10:39	1
3-Methylphenol	330	U	330	26	ug/Kg		02/13/24 08:34	02/14/24 10:39	1
4-Methylphenol	330	U	330	20	ug/Kg		02/13/24 08:34	02/14/24 10:39	1
Acenaphthene	170	U	170	25	ug/Kg		02/13/24 08:34	02/14/24 10:39	1
Acenaphthylene	170	U	170	22	ug/Kg		02/13/24 08:34	02/14/24 10:39	1
Anthracene	170	U	170	42	ug/Kg		02/13/24 08:34	02/14/24 10:39	1
Benzo[a]anthracene	170	U	170	17	ug/Kg		02/13/24 08:34	02/14/24 10:39	1
Benzo[a]pyrene	170	U	170	25	ug/Kg		02/13/24 08:34	02/14/24 10:39	1
Benzo[b]fluoranthene	170	U	170	27	ug/Kg		02/13/24 08:34	02/14/24 10:39	1
Benzo[g,h,i]perylene	170	U	170	18	ug/Kg		02/13/24 08:34	02/14/24 10:39	1
Benzo[k]fluoranthene	170	U	170	22	ug/Kg		02/13/24 08:34	02/14/24 10:39	1
Chrysene	170	U	170	38	ug/Kg		02/13/24 08:34	02/14/24 10:39	1
Dibenz(a,h)anthracene	170	U	170	30	ug/Kg		02/13/24 08:34	02/14/24 10:39	1
Dibenzofuran	170	U	170	20	ug/Kg		02/13/24 08:34	02/14/24 10:39	1
Fluoranthene	170	U	170	18	ug/Kg		02/13/24 08:34	02/14/24 10:39	1
Fluorene	170	U	170	20	ug/Kg		02/13/24 08:34	02/14/24 10:39	1
Hexachlorobenzene	170	U	170	23	ug/Kg		02/13/24 08:34	02/14/24 10:39	1
Indeno[1,2,3-cd]pyrene	170	U	170	21	ug/Kg		02/13/24 08:34	02/14/24 10:39	1
Naphthalene	170	U	170	22	ug/Kg		02/13/24 08:34	02/14/24 10:39	1
Pentachlorophenol	330	U	330	170	ug/Kg		02/13/24 08:34	02/14/24 10:39	1
Phenanthrene	170	U	170	25	ug/Kg		02/13/24 08:34	02/14/24 10:39	1
Phenol	170	U	170	26	ug/Kg		02/13/24 08:34	02/14/24 10:39	1
Pyrene	170	U	170	20	ug/Kg		02/13/24 08:34	02/14/24 10:39	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	6940	T J	ug/Kg		1.95	N/A	02/13/24 08:34	02/14/24 10:39	1
Unknown	525	T J	ug/Kg		3.42	N/A	02/13/24 08:34	02/14/24 10:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	75		53 - 120	02/13/24 08:34	02/14/24 10:39	1
2-Fluorophenol (Surr)	77		52 - 120	02/13/24 08:34	02/14/24 10:39	1
Phenol-d5 (Surr)	82		54 - 120	02/13/24 08:34	02/14/24 10:39	1
2,4,6-Tribromophenol (Surr)	81		54 - 120	02/13/24 08:34	02/14/24 10:39	1
p-Terphenyl-d14 (Surr)	102		79 - 130	02/13/24 08:34	02/14/24 10:39	1
2-Fluorobiphenyl (Surr)	83		60 - 120	02/13/24 08:34	02/14/24 10:39	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-700596/2-A

Matrix: Solid

Analysis Batch: 700718

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 700596

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	1660	610		ug/Kg		37	23 - 120
2-Methylphenol	1660	1160		ug/Kg		70	54 - 120
3-Methylphenol	1660	1220		ug/Kg		74	55 - 120
4-Methylphenol	1660	1220		ug/Kg		74	55 - 120
Acenaphthene	1660	1340		ug/Kg		81	62 - 120
Acenaphthylene	1660	1280		ug/Kg		77	58 - 121
Anthracene	1660	1490		ug/Kg		90	62 - 120
Benzo[a]anthracene	1660	1570		ug/Kg		95	65 - 120
Benzo[a]pyrene	1660	1590		ug/Kg		96	64 - 120
Benzo[b]fluoranthene	1660	1540		ug/Kg		93	64 - 120
Benzo[g,h,i]perylene	1660	1410		ug/Kg		85	45 - 145
Benzo[k]fluoranthene	1660	1750		ug/Kg		106	65 - 120
Chrysene	1660	1550		ug/Kg		94	64 - 120
Dibenz(a,h)anthracene	1660	1620		ug/Kg		98	54 - 132
Dibenzofuran	1660	1340		ug/Kg		81	63 - 120
Fluoranthene	1660	1520		ug/Kg		92	62 - 120
Fluorene	1660	1350		ug/Kg		82	63 - 120
Hexachlorobenzene	1660	1590		ug/Kg		96	60 - 120
Indeno[1,2,3-cd]pyrene	1660	1640		ug/Kg		99	56 - 134
Naphthalene	1660	1190		ug/Kg		72	55 - 120
Pentachlorophenol	3310	2930		ug/Kg		88	10 - 120
Phenanthrene	1660	1480		ug/Kg		90	60 - 120
Phenol	1660	1150		ug/Kg		69	53 - 120
Pyrene	1660	1700		ug/Kg		102	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	75		53 - 120
2-Fluorophenol (Surr)	72		52 - 120
Phenol-d5 (Surr)	77		54 - 120
2,4,6-Tribromophenol (Surr)	102		54 - 120
p-Terphenyl-d14 (Surr)	119		79 - 130
2-Fluorobiphenyl (Surr)	80		60 - 120

Lab Sample ID: MB 480-700602/1-A

Matrix: Water

Analysis Batch: 700755

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 700602

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	10	U	10	1.1	ug/L		02/13/24 08:59	02/14/24 16:43	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		02/13/24 08:59	02/14/24 16:43	1
3-Methylphenol	10	U	10	0.40	ug/L		02/13/24 08:59	02/14/24 16:43	1
4-Methylphenol	10	U	10	0.36	ug/L		02/13/24 08:59	02/14/24 16:43	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		02/13/24 08:59	02/14/24 16:43	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		02/13/24 08:59	02/14/24 16:43	1
Anthracene	5.0	U	5.0	0.28	ug/L		02/13/24 08:59	02/14/24 16:43	1
Benzo[a]anthracene	5.0	U	5.0	0.36	ug/L		02/13/24 08:59	02/14/24 16:43	1
Benzo[a]pyrene	5.0	U	5.0	0.47	ug/L		02/13/24 08:59	02/14/24 16:43	1
Benzo[b]fluoranthene	5.0	U	5.0	0.34	ug/L		02/13/24 08:59	02/14/24 16:43	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-700602/1-A

Matrix: Water

Analysis Batch: 700755

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 700602

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	5.0	U	5.0	0.35	ug/L		02/13/24 08:59	02/14/24 16:43	1
Benzo[k]fluoranthene	5.0	U	5.0	0.73	ug/L		02/13/24 08:59	02/14/24 16:43	1
Chrysene	5.0	U	5.0	0.33	ug/L		02/13/24 08:59	02/14/24 16:43	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		02/13/24 08:59	02/14/24 16:43	1
Dibenzofuran	10	U	10	0.51	ug/L		02/13/24 08:59	02/14/24 16:43	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		02/13/24 08:59	02/14/24 16:43	1
Fluorene	5.0	U	5.0	0.36	ug/L		02/13/24 08:59	02/14/24 16:43	1
Hexachlorobenzene	5.0	U	5.0	0.51	ug/L		02/13/24 08:59	02/14/24 16:43	1
Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47	ug/L		02/13/24 08:59	02/14/24 16:43	1
Naphthalene	5.0	U	5.0	0.76	ug/L		02/13/24 08:59	02/14/24 16:43	1
Pentachlorophenol	10	U	10	2.2	ug/L		02/13/24 08:59	02/14/24 16:43	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		02/13/24 08:59	02/14/24 16:43	1
Phenol	5.0	U	5.0	0.39	ug/L		02/13/24 08:59	02/14/24 16:43	1
Pyrene	5.0	U	5.0	0.34	ug/L		02/13/24 08:59	02/14/24 16:43	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	23.7	T J	ug/L		3.01	N/A	02/13/24 08:59	02/14/24 16:43	1
Unknown	2.21	T J	ug/L		3.20	N/A	02/13/24 08:59	02/14/24 16:43	1
Unknown	452	T J	ug/L		3.44	N/A	02/13/24 08:59	02/14/24 16:43	1
Unknown	36.9	T J	ug/L		5.20	N/A	02/13/24 08:59	02/14/24 16:43	1
Unknown	2.02	T J	ug/L		10.48	N/A	02/13/24 08:59	02/14/24 16:43	1
Unknown	3.10	T J	ug/L		14.55	N/A	02/13/24 08:59	02/14/24 16:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	72		46 - 120	02/13/24 08:59	02/14/24 16:43	1
2-Fluorophenol (Surr)	58		35 - 120	02/13/24 08:59	02/14/24 16:43	1
Phenol-d5 (Surr)	42		22 - 120	02/13/24 08:59	02/14/24 16:43	1
2,4,6-Tribromophenol (Surr)	65		41 - 120	02/13/24 08:59	02/14/24 16:43	1
p-Terphenyl-d14 (Surr)	94		60 - 148	02/13/24 08:59	02/14/24 16:43	1
2-Fluorobiphenyl (Surr)	80		48 - 120	02/13/24 08:59	02/14/24 16:43	1

Lab Sample ID: LCS 480-700602/2-A

Matrix: Water

Analysis Batch: 700755

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 700602

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	32.0	16.0		ug/L		50	10 - 120
2-Methylphenol	32.0	24.7		ug/L		77	39 - 120
3-Methylphenol	32.0	21.9		ug/L		68	39 - 120
4-Methylphenol	32.0	21.9		ug/L		68	29 - 131
Acenaphthene	32.0	27.2		ug/L		85	60 - 120
Acenaphthylene	32.0	27.3		ug/L		85	63 - 120
Anthracene	32.0	31.2		ug/L		98	67 - 120
Benzo[a]anthracene	32.0	30.7		ug/L		96	70 - 121
Benzo[a]pyrene	32.0	31.4		ug/L		98	60 - 123
Benzo[b]fluoranthene	32.0	32.0		ug/L		100	66 - 126
Benzo[g,h,i]perylene	32.0	32.0		ug/L		100	66 - 150
Benzo[k]fluoranthene	32.0	29.4		ug/L		92	65 - 124

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-700602/2-A

Matrix: Water

Analysis Batch: 700755

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 700602

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chrysene	32.0	30.8		ug/L		96	69 - 120
Dibenz(a,h)anthracene	32.0	30.2		ug/L		95	65 - 135
Dibenzofuran	32.0	26.9		ug/L		84	66 - 120
Fluoranthene	32.0	32.6		ug/L		102	69 - 126
Fluorene	32.0	29.0		ug/L		91	66 - 120
Hexachlorobenzene	32.0	31.4		ug/L		98	61 - 120
Indeno[1,2,3-cd]pyrene	32.0	30.7		ug/L		96	69 - 146
Naphthalene	32.0	24.1		ug/L		75	57 - 120
Pentachlorophenol	64.0	31.0		ug/L		49	10 - 136
Phenanthrene	32.0	29.5		ug/L		92	68 - 120
Phenol	32.0	19.1		ug/L		60	17 - 120
Pyrene	32.0	31.1		ug/L		97	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	81		46 - 120
2-Fluorophenol (Surr)	64		35 - 120
Phenol-d5 (Surr)	51		22 - 120
2,4,6-Tribromophenol (Surr)	86		41 - 120
p-Terphenyl-d14 (Surr)	95		60 - 148
2-Fluorobiphenyl (Surr)	80		48 - 120

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-700400/1-A

Matrix: Water

Analysis Batch: 700616

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 700400

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015	0.0056	mg/L		02/12/24 10:25	02/12/24 20:46	1
Barium	0.0020	U	0.0020	0.00070	mg/L		02/12/24 10:25	02/12/24 20:46	1
Beryllium	0.0020	U	0.0020	0.00030	mg/L		02/12/24 10:25	02/12/24 20:46	1
Cadmium	0.0020	U	0.0020	0.00050	mg/L		02/12/24 10:25	02/12/24 20:46	1
Chromium	0.0040	U	0.0040	0.0010	mg/L		02/12/24 10:25	02/12/24 20:46	1
Copper	0.010	U	0.010	0.0016	mg/L		02/12/24 10:25	02/12/24 20:46	1
Manganese	0.000410	J	0.0030	0.00040	mg/L		02/12/24 10:25	02/12/24 20:46	1
Nickel	0.010	U	0.010	0.0013	mg/L		02/12/24 10:25	02/12/24 20:46	1
Lead	0.010	U	0.010	0.0030	mg/L		02/12/24 10:25	02/12/24 20:46	1
Selenium	0.025	U	0.025	0.0087	mg/L		02/12/24 10:25	02/12/24 20:46	1
Silver	0.0060	U	0.0060	0.0017	mg/L		02/12/24 10:25	02/12/24 20:46	1
Zinc	0.00188	J	0.010	0.0015	mg/L		02/12/24 10:25	02/12/24 20:46	1

Lab Sample ID: LCS 480-700400/2-A

Matrix: Water

Analysis Batch: 700616

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 700400

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	0.993		mg/L		99	80 - 120
Barium	1.00	0.988		mg/L		99	80 - 120
Beryllium	0.500	0.504		mg/L		101	80 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-700400/2-A

Matrix: Water

Analysis Batch: 700616

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 700400

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	0.500	0.493		mg/L		99	80 - 120
Chromium	0.500	0.512		mg/L		102	80 - 120
Copper	0.500	0.488		mg/L		98	80 - 120
Manganese	0.500	0.505		mg/L		101	80 - 120
Nickel	0.500	0.495		mg/L		99	80 - 120
Lead	0.500	0.479		mg/L		96	80 - 120
Selenium	1.00	0.980		mg/L		98	80 - 120
Silver	0.0500	0.0502		mg/L		100	80 - 120
Zinc	0.500	0.538		mg/L		108	80 - 120

Lab Sample ID: LCSD 480-700400/3-A

Matrix: Water

Analysis Batch: 700616

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 700400

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	1.00	0.965		mg/L		96	80 - 120	3	20
Barium	1.00	0.968		mg/L		97	80 - 120	2	20
Beryllium	0.500	0.503		mg/L		101	80 - 120	0	20
Cadmium	0.500	0.479		mg/L		96	80 - 120	3	20
Chromium	0.500	0.517		mg/L		103	80 - 120	1	20
Copper	0.500	0.481		mg/L		96	80 - 120	1	20
Manganese	0.500	0.492		mg/L		98	80 - 120	3	20
Nickel	0.500	0.483		mg/L		97	80 - 120	2	20
Lead	0.500	0.472		mg/L		94	80 - 120	2	20
Selenium	1.00	0.937		mg/L		94	80 - 120	5	20
Silver	0.0500	0.0482		mg/L		96	80 - 120	4	20
Zinc	0.500	0.535		mg/L		107	80 - 120	1	20

Lab Sample ID: MB 480-700610/1-A

Matrix: Solid

Analysis Batch: 700878

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 700610

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.1	U	2.1	0.41	mg/Kg		02/13/24 11:21	02/14/24 20:00	1
Barium	0.52	U	0.52	0.11	mg/Kg		02/13/24 11:21	02/14/24 20:00	1
Beryllium	0.21	U	0.21	0.029	mg/Kg		02/13/24 11:21	02/14/24 20:00	1
Cadmium	0.21	U	0.21	0.031	mg/Kg		02/13/24 11:21	02/14/24 20:00	1
Chromium	0.52	U	0.52	0.21	mg/Kg		02/13/24 11:21	02/14/24 20:00	1
Manganese	0.0486	J	0.21	0.033	mg/Kg		02/13/24 11:21	02/14/24 20:00	1
Nickel	5.2	U	5.2	0.24	mg/Kg		02/13/24 11:21	02/14/24 20:00	1
Lead	1.0	U	1.0	0.25	mg/Kg		02/13/24 11:21	02/14/24 20:00	1
Selenium	4.1	U	4.1	0.41	mg/Kg		02/13/24 11:21	02/14/24 20:00	1
Silver	0.62	U	0.62	0.21	mg/Kg		02/13/24 11:21	02/14/24 20:00	1
Zinc	2.1	U	2.1	0.66	mg/Kg		02/13/24 11:21	02/14/24 20:00	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-700610/1-A
Matrix: Solid
Analysis Batch: 701019

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 700610

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	1.0	U	1.0	0.22	mg/Kg		02/13/24 11:21	02/15/24 16:09	1

Lab Sample ID: LCSSRM 480-700610/2-A
Matrix: Solid
Analysis Batch: 700878

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 700610

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	218	163.6		mg/Kg		75.0	57.8 - 110.1
Barium	388	343.3		mg/Kg		88.5	68.3 - 113.9
Beryllium	165	146.3		mg/Kg		88.7	69.1 - 115.8
Cadmium	118	94.01		mg/Kg		79.7	67.0 - 111.9
Chromium	255	215.9		mg/Kg		84.7	63.5 - 118.4
Manganese	446	383.6		mg/Kg		86.0	70.4 - 114.3
Nickel	120	107.6		mg/Kg		89.7	63.2 - 117.5
Lead	155	145.4		mg/Kg		93.8	67.7 - 119.4
Selenium	107	86.58		mg/Kg		80.9	58.3 - 121.5
Silver	51.0	42.88		mg/Kg		84.1	64.7 - 120.8
Zinc	406	341.3		mg/Kg		84.1	63.8 - 118.2

Lab Sample ID: LCSSRM 480-700610/2-A
Matrix: Solid
Analysis Batch: 701019

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 700610

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Copper	135	114.1		mg/Kg		84.5	69.0 - 114.8

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-700762/1-A
Matrix: Water
Analysis Batch: 700813

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 700762

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000043	mg/L		02/14/24 12:08	02/14/24 15:51	1

Lab Sample ID: LCS 480-700762/2-A
Matrix: Water
Analysis Batch: 700813

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 700762

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00669	0.00586		mg/L		88	80 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-700364/1-A
Matrix: Solid
Analysis Batch: 700949

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 700364

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019	U	0.019	0.0044	mg/Kg		02/15/24 10:45	02/15/24 13:02	1

Lab Sample ID: LCSSRM 480-700364/2-A ^10
Matrix: Solid
Analysis Batch: 700949

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 700364

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	17.1	10.78		mg/Kg		63.0	36.0 - 109. 9

QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

GC/MS VOA

Prep Batch: 700440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216958-1	B-11 (2-3')	Total/NA	Solid	5035A_L	
480-216958-2	B-1 (2.5-4.5')	Total/NA	Solid	5035A_L	
480-216958-3	B-2 (4-5')	Total/NA	Solid	5035A_L	
480-216958-4	B-3 (2-4')	Total/NA	Solid	5035A_L	
MB 480-700440/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-700440/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 700441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216958-1	B-11 (2-3')	Total/NA	Solid	8260C	700440
480-216958-2	B-1 (2.5-4.5')	Total/NA	Solid	8260C	700440
480-216958-3	B-2 (4-5')	Total/NA	Solid	8260C	700440
480-216958-4	B-3 (2-4')	Total/NA	Solid	8260C	700440
MB 480-700440/2-A	Method Blank	Total/NA	Solid	8260C	700440
LCS 480-700440/1-A	Lab Control Sample	Total/NA	Solid	8260C	700440

Analysis Batch: 700465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216958-12	MW-1	Total/NA	Water	8260C	
480-216958-13	MW-2	Total/NA	Water	8260C	
MB 480-700465/8	Method Blank	Total/NA	Water	8260C	
LCS 480-700465/6	Lab Control Sample	Total/NA	Water	8260C	

Prep Batch: 700559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216958-5	B-4 (6-8')	Total/NA	Solid	5035A_L	
480-216958-6	B-5 (1-2')	Total/NA	Solid	5035A_L	
480-216958-7	B-6 (3-4')	Total/NA	Solid	5035A_L	
480-216958-8	B-7 (1-2')	Total/NA	Solid	5035A_L	
480-216958-9	B-8 (2-4')	Total/NA	Solid	5035A_L	
480-216958-10	B-9 (1-3')	Total/NA	Solid	5035A_L	
480-216958-11	B-10 (1-2')	Total/NA	Solid	5035A_L	
MB 480-700559/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-700559/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	
480-216958-11 MS	B-10 (1-2')	Total/NA	Solid	5035A_L	
480-216958-11 MSD	B-10 (1-2')	Total/NA	Solid	5035A_L	

Analysis Batch: 700562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216958-5	B-4 (6-8')	Total/NA	Solid	8260C	700559
480-216958-6	B-5 (1-2')	Total/NA	Solid	8260C	700559
480-216958-7	B-6 (3-4')	Total/NA	Solid	8260C	700559
480-216958-8	B-7 (1-2')	Total/NA	Solid	8260C	700559
480-216958-9	B-8 (2-4')	Total/NA	Solid	8260C	700559
480-216958-10	B-9 (1-3')	Total/NA	Solid	8260C	700559
480-216958-11	B-10 (1-2')	Total/NA	Solid	8260C	700559
MB 480-700559/2-A	Method Blank	Total/NA	Solid	8260C	700559
LCS 480-700559/1-A	Lab Control Sample	Total/NA	Solid	8260C	700559
480-216958-11 MS	B-10 (1-2')	Total/NA	Solid	8260C	700559
480-216958-11 MSD	B-10 (1-2')	Total/NA	Solid	8260C	700559

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QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

GC/MS Semi VOA

Prep Batch: 700596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216958-1	B-11 (2-3')	Total/NA	Solid	3550C	
480-216958-2	B-1 (2.5-4.5')	Total/NA	Solid	3550C	
480-216958-3	B-2 (4-5')	Total/NA	Solid	3550C	
480-216958-4	B-3 (2-4')	Total/NA	Solid	3550C	
480-216958-5	B-4 (6-8')	Total/NA	Solid	3550C	
480-216958-6	B-5 (1-2')	Total/NA	Solid	3550C	
480-216958-7	B-6 (3-4')	Total/NA	Solid	3550C	
480-216958-8	B-7 (1-2')	Total/NA	Solid	3550C	
480-216958-9	B-8 (2-4')	Total/NA	Solid	3550C	
480-216958-10	B-9 (1-3')	Total/NA	Solid	3550C	
480-216958-11	B-10 (1-2')	Total/NA	Solid	3550C	
MB 480-700596/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-700596/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Prep Batch: 700602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216958-12	MW-1	Total/NA	Water	3510C	
480-216958-13	MW-2	Total/NA	Water	3510C	
MB 480-700602/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-700602/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 700718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216958-1	B-11 (2-3')	Total/NA	Solid	8270D	700596
480-216958-2	B-1 (2.5-4.5')	Total/NA	Solid	8270D	700596
480-216958-3	B-2 (4-5')	Total/NA	Solid	8270D	700596
480-216958-4	B-3 (2-4')	Total/NA	Solid	8270D	700596
480-216958-5	B-4 (6-8')	Total/NA	Solid	8270D	700596
480-216958-6	B-5 (1-2')	Total/NA	Solid	8270D	700596
480-216958-7	B-6 (3-4')	Total/NA	Solid	8270D	700596
480-216958-8	B-7 (1-2')	Total/NA	Solid	8270D	700596
480-216958-9	B-8 (2-4')	Total/NA	Solid	8270D	700596
480-216958-10	B-9 (1-3')	Total/NA	Solid	8270D	700596
480-216958-11	B-10 (1-2')	Total/NA	Solid	8270D	700596
MB 480-700596/1-A	Method Blank	Total/NA	Solid	8270D	700596
LCS 480-700596/2-A	Lab Control Sample	Total/NA	Solid	8270D	700596

Analysis Batch: 700755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216958-12	MW-1	Total/NA	Water	8270D	700602
480-216958-13	MW-2	Total/NA	Water	8270D	700602
MB 480-700602/1-A	Method Blank	Total/NA	Water	8270D	700602
LCS 480-700602/2-A	Lab Control Sample	Total/NA	Water	8270D	700602

Metals

Prep Batch: 700364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216958-1	B-11 (2-3')	Total/NA	Solid	7471B	
480-216958-2	B-1 (2.5-4.5')	Total/NA	Solid	7471B	
480-216958-3	B-2 (4-5')	Total/NA	Solid	7471B	

Eurofins Buffalo

QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Metals (Continued)

Prep Batch: 700364 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216958-4	B-3 (2-4')	Total/NA	Solid	7471B	
480-216958-5	B-4 (6-8')	Total/NA	Solid	7471B	
480-216958-6	B-5 (1-2')	Total/NA	Solid	7471B	
480-216958-7	B-6 (3-4')	Total/NA	Solid	7471B	
480-216958-8	B-7 (1-2')	Total/NA	Solid	7471B	
480-216958-9	B-8 (2-4')	Total/NA	Solid	7471B	
480-216958-10	B-9 (1-3')	Total/NA	Solid	7471B	
480-216958-11	B-10 (1-2')	Total/NA	Solid	7471B	
MB 480-700364/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-700364/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 700400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216958-12	MW-1	Total/NA	Water	3005A	
480-216958-13	MW-2	Total/NA	Water	3005A	
MB 480-700400/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-700400/2-A	Lab Control Sample	Total/NA	Water	3005A	
LCSD 480-700400/3-A	Lab Control Sample Dup	Total/NA	Water	3005A	

Prep Batch: 700610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216958-1	B-11 (2-3')	Total/NA	Solid	3050B	
480-216958-2	B-1 (2.5-4.5')	Total/NA	Solid	3050B	
480-216958-3	B-2 (4-5')	Total/NA	Solid	3050B	
480-216958-4	B-3 (2-4')	Total/NA	Solid	3050B	
480-216958-5	B-4 (6-8')	Total/NA	Solid	3050B	
480-216958-6	B-5 (1-2')	Total/NA	Solid	3050B	
480-216958-7	B-6 (3-4')	Total/NA	Solid	3050B	
480-216958-8	B-7 (1-2')	Total/NA	Solid	3050B	
480-216958-9	B-8 (2-4')	Total/NA	Solid	3050B	
480-216958-10	B-9 (1-3')	Total/NA	Solid	3050B	
480-216958-11	B-10 (1-2')	Total/NA	Solid	3050B	
MB 480-700610/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-700610/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 700616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216958-12	MW-1	Total/NA	Water	6010C	700400
480-216958-13	MW-2	Total/NA	Water	6010C	700400
MB 480-700400/1-A	Method Blank	Total/NA	Water	6010C	700400
LCS 480-700400/2-A	Lab Control Sample	Total/NA	Water	6010C	700400
LCSD 480-700400/3-A	Lab Control Sample Dup	Total/NA	Water	6010C	700400

Analysis Batch: 700741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216958-12	MW-1	Total/NA	Water	6010C	700400
480-216958-13	MW-2	Total/NA	Water	6010C	700400

Prep Batch: 700762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216958-12	MW-1	Total/NA	Water	7470A	

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QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Metals (Continued)

Prep Batch: 700762 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216958-13	MW-2	Total/NA	Water	7470A	
MB 480-700762/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-700762/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 700813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216958-12	MW-1	Total/NA	Water	7470A	700762
480-216958-13	MW-2	Total/NA	Water	7470A	700762
MB 480-700762/1-A	Method Blank	Total/NA	Water	7470A	700762
LCS 480-700762/2-A	Lab Control Sample	Total/NA	Water	7470A	700762

Analysis Batch: 700878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216958-1	B-11 (2-3')	Total/NA	Solid	6010C	700610
480-216958-2	B-1 (2.5-4.5')	Total/NA	Solid	6010C	700610
480-216958-3	B-2 (4-5')	Total/NA	Solid	6010C	700610
480-216958-4	B-3 (2-4')	Total/NA	Solid	6010C	700610
480-216958-5	B-4 (6-8')	Total/NA	Solid	6010C	700610
480-216958-6	B-5 (1-2')	Total/NA	Solid	6010C	700610
480-216958-7	B-6 (3-4')	Total/NA	Solid	6010C	700610
480-216958-8	B-7 (1-2')	Total/NA	Solid	6010C	700610
480-216958-9	B-8 (2-4')	Total/NA	Solid	6010C	700610
480-216958-10	B-9 (1-3')	Total/NA	Solid	6010C	700610
480-216958-11	B-10 (1-2')	Total/NA	Solid	6010C	700610
MB 480-700610/1-A	Method Blank	Total/NA	Solid	6010C	700610
LCSSRM 480-700610/2-A	Lab Control Sample	Total/NA	Solid	6010C	700610

Analysis Batch: 700949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216958-1	B-11 (2-3')	Total/NA	Solid	7471B	700364
480-216958-2	B-1 (2.5-4.5')	Total/NA	Solid	7471B	700364
480-216958-3	B-2 (4-5')	Total/NA	Solid	7471B	700364
480-216958-4	B-3 (2-4')	Total/NA	Solid	7471B	700364
480-216958-5	B-4 (6-8')	Total/NA	Solid	7471B	700364
480-216958-6	B-5 (1-2')	Total/NA	Solid	7471B	700364
480-216958-7	B-6 (3-4')	Total/NA	Solid	7471B	700364
480-216958-8	B-7 (1-2')	Total/NA	Solid	7471B	700364
480-216958-9	B-8 (2-4')	Total/NA	Solid	7471B	700364
480-216958-10	B-9 (1-3')	Total/NA	Solid	7471B	700364
480-216958-11	B-10 (1-2')	Total/NA	Solid	7471B	700364
MB 480-700364/1-A	Method Blank	Total/NA	Solid	7471B	700364
LCSSRM 480-700364/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	700364

Analysis Batch: 701019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216958-1	B-11 (2-3')	Total/NA	Solid	6010C	700610
480-216958-2	B-1 (2.5-4.5')	Total/NA	Solid	6010C	700610
480-216958-3	B-2 (4-5')	Total/NA	Solid	6010C	700610
480-216958-4	B-3 (2-4')	Total/NA	Solid	6010C	700610
480-216958-5	B-4 (6-8')	Total/NA	Solid	6010C	700610
480-216958-6	B-5 (1-2')	Total/NA	Solid	6010C	700610

Eurofins Buffalo

QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Metals (Continued)

Analysis Batch: 701019 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216958-7	B-6 (3-4')	Total/NA	Solid	6010C	700610
480-216958-8	B-7 (1-2')	Total/NA	Solid	6010C	700610
480-216958-9	B-8 (2-4')	Total/NA	Solid	6010C	700610
480-216958-10	B-9 (1-3')	Total/NA	Solid	6010C	700610
MB 480-700610/1-A	Method Blank	Total/NA	Solid	6010C	700610
LCSSRM 480-700610/2-A	Lab Control Sample	Total/NA	Solid	6010C	700610

Analysis Batch: 701751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216958-11	B-10 (1-2')	Total/NA	Solid	6010C	700610

General Chemistry

Analysis Batch: 700404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216958-1	B-11 (2-3')	Total/NA	Solid	Moisture	
480-216958-2	B-1 (2.5-4.5')	Total/NA	Solid	Moisture	
480-216958-3	B-2 (4-5')	Total/NA	Solid	Moisture	
480-216958-4	B-3 (2-4')	Total/NA	Solid	Moisture	
480-216958-5	B-4 (6-8')	Total/NA	Solid	Moisture	
480-216958-6	B-5 (1-2')	Total/NA	Solid	Moisture	
480-216958-7	B-6 (3-4')	Total/NA	Solid	Moisture	
480-216958-8	B-7 (1-2')	Total/NA	Solid	Moisture	
480-216958-9	B-8 (2-4')	Total/NA	Solid	Moisture	
480-216958-10	B-9 (1-3')	Total/NA	Solid	Moisture	
480-216958-11	B-10 (1-2')	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-11 (2-3`)

Date Collected: 02/08/24 15:30

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	700404	AF	EET BUF	02/09/24 15:19

Client Sample ID: B-11 (2-3`)

Date Collected: 02/08/24 15:30

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-1

Matrix: Solid

Percent Solids: 68.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			700440	CDC	EET BUF	02/11/24 07:25
Total/NA	Analysis	8260C		1	700441	CDC	EET BUF	02/11/24 18:29
Total/NA	Prep	3550C			700596	ER	EET BUF	02/13/24 08:34
Total/NA	Analysis	8270D		1	700718	JMM	EET BUF	02/14/24 13:58
Total/NA	Prep	3050B			700610	ESB	EET BUF	02/13/24 11:21
Total/NA	Analysis	6010C		1	700878	BMB	EET BUF	02/14/24 21:10
Total/NA	Prep	3050B			700610	ESB	EET BUF	02/13/24 11:21
Total/NA	Analysis	6010C		1	701019	BMB	EET BUF	02/15/24 16:34
Total/NA	Prep	7471B			700364	NVK	EET BUF	02/15/24 10:45
Total/NA	Analysis	7471B		1	700949	NVK	EET BUF	02/15/24 13:13

Client Sample ID: B-1 (2.5-4.5`)

Date Collected: 02/08/24 08:30

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	700404	AF	EET BUF	02/09/24 15:19

Client Sample ID: B-1 (2.5-4.5`)

Date Collected: 02/08/24 08:30

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-2

Matrix: Solid

Percent Solids: 74.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			700440	CDC	EET BUF	02/11/24 07:25
Total/NA	Analysis	8260C		1	700441	CDC	EET BUF	02/11/24 18:54
Total/NA	Prep	3550C			700596	ER	EET BUF	02/13/24 08:34
Total/NA	Analysis	8270D		1	700718	JMM	EET BUF	02/14/24 14:23
Total/NA	Prep	3050B			700610	ESB	EET BUF	02/13/24 11:21
Total/NA	Analysis	6010C		1	700878	BMB	EET BUF	02/14/24 21:13
Total/NA	Prep	3050B			700610	ESB	EET BUF	02/13/24 11:21
Total/NA	Analysis	6010C		1	701019	BMB	EET BUF	02/15/24 16:37
Total/NA	Prep	7471B			700364	NVK	EET BUF	02/15/24 10:45
Total/NA	Analysis	7471B		5	700949	NVK	EET BUF	02/15/24 15:38

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-2 (4-5`)

Date Collected: 02/08/24 10:30

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	700404	AF	EET BUF	02/09/24 15:19

Client Sample ID: B-2 (4-5`)

Date Collected: 02/08/24 10:30

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-3

Matrix: Solid

Percent Solids: 81.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			700440	CDC	EET BUF	02/11/24 07:25
Total/NA	Analysis	8260C		1	700441	CDC	EET BUF	02/11/24 19:19
Total/NA	Prep	3550C			700596	ER	EET BUF	02/13/24 08:34
Total/NA	Analysis	8270D		1	700718	JMM	EET BUF	02/14/24 14:47
Total/NA	Prep	3050B			700610	ESB	EET BUF	02/13/24 11:21
Total/NA	Analysis	6010C		1	700878	BMB	EET BUF	02/14/24 21:17
Total/NA	Prep	3050B			700610	ESB	EET BUF	02/13/24 11:21
Total/NA	Analysis	6010C		1	701019	BMB	EET BUF	02/15/24 16:41
Total/NA	Prep	7471B			700364	NVK	EET BUF	02/15/24 10:45
Total/NA	Analysis	7471B		1	700949	NVK	EET BUF	02/15/24 13:20

Client Sample ID: B-3 (2-4`)

Date Collected: 02/08/24 11:50

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	700404	AF	EET BUF	02/09/24 15:19

Client Sample ID: B-3 (2-4`)

Date Collected: 02/08/24 11:50

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-4

Matrix: Solid

Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			700440	CDC	EET BUF	02/11/24 07:25
Total/NA	Analysis	8260C		1	700441	CDC	EET BUF	02/11/24 19:43
Total/NA	Prep	3550C			700596	ER	EET BUF	02/13/24 08:34
Total/NA	Analysis	8270D		10	700718	JMM	EET BUF	02/14/24 15:12
Total/NA	Prep	3050B			700610	ESB	EET BUF	02/13/24 11:21
Total/NA	Analysis	6010C		1	700878	BMB	EET BUF	02/14/24 21:20
Total/NA	Prep	3050B			700610	ESB	EET BUF	02/13/24 11:21
Total/NA	Analysis	6010C		1	701019	BMB	EET BUF	02/15/24 16:44
Total/NA	Prep	7471B			700364	NVK	EET BUF	02/15/24 10:45
Total/NA	Analysis	7471B		1	700949	NVK	EET BUF	02/15/24 13:22

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Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-4 (6-8`)

Date Collected: 02/08/24 12:15

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	700404	AF	EET BUF	02/09/24 15:19

Client Sample ID: B-4 (6-8`)

Date Collected: 02/08/24 12:15

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-5

Matrix: Solid

Percent Solids: 61.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			700559	CDC	EET BUF	02/12/24 17:46
Total/NA	Analysis	8260C		1	700562	CDC	EET BUF	02/12/24 21:42
Total/NA	Prep	3550C			700596	ER	EET BUF	02/13/24 08:34
Total/NA	Analysis	8270D		1	700718	JMM	EET BUF	02/14/24 15:37
Total/NA	Prep	3050B			700610	ESB	EET BUF	02/13/24 11:21
Total/NA	Analysis	6010C		1	700878	BMB	EET BUF	02/14/24 21:24
Total/NA	Prep	3050B			700610	ESB	EET BUF	02/13/24 11:21
Total/NA	Analysis	6010C		1	701019	BMB	EET BUF	02/15/24 16:48
Total/NA	Prep	7471B			700364	NVK	EET BUF	02/15/24 10:45
Total/NA	Analysis	7471B		1	700949	NVK	EET BUF	02/15/24 13:23

Client Sample ID: B-5 (1-2`)

Date Collected: 02/08/24 13:00

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	700404	AF	EET BUF	02/09/24 15:19

Client Sample ID: B-5 (1-2`)

Date Collected: 02/08/24 13:00

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-6

Matrix: Solid

Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			700559	CDC	EET BUF	02/12/24 17:46
Total/NA	Analysis	8260C		1	700562	CDC	EET BUF	02/12/24 22:06
Total/NA	Prep	3550C			700596	ER	EET BUF	02/13/24 08:34
Total/NA	Analysis	8270D		10	700718	JMM	EET BUF	02/14/24 16:01
Total/NA	Prep	3050B			700610	ESB	EET BUF	02/13/24 11:21
Total/NA	Analysis	6010C		1	700878	BMB	EET BUF	02/14/24 21:27
Total/NA	Prep	3050B			700610	ESB	EET BUF	02/13/24 11:21
Total/NA	Analysis	6010C		1	701019	BMB	EET BUF	02/15/24 16:51
Total/NA	Prep	7471B			700364	NVK	EET BUF	02/15/24 10:45
Total/NA	Analysis	7471B		1	700949	NVK	EET BUF	02/15/24 13:24

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-6 (3-4`)

Date Collected: 02/08/24 13:30

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	700404	AF	EET BUF	02/09/24 15:19

Client Sample ID: B-6 (3-4`)

Date Collected: 02/08/24 13:30

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-7

Matrix: Solid

Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			700559	CDC	EET BUF	02/12/24 17:46
Total/NA	Analysis	8260C		1	700562	CDC	EET BUF	02/12/24 22:31
Total/NA	Prep	3550C			700596	ER	EET BUF	02/13/24 08:34
Total/NA	Analysis	8270D		1	700718	JMM	EET BUF	02/14/24 16:27
Total/NA	Prep	3050B			700610	ESB	EET BUF	02/13/24 11:21
Total/NA	Analysis	6010C		1	700878	BMB	EET BUF	02/14/24 21:41
Total/NA	Prep	3050B			700610	ESB	EET BUF	02/13/24 11:21
Total/NA	Analysis	6010C		1	701019	BMB	EET BUF	02/15/24 16:55
Total/NA	Prep	7471B			700364	NVK	EET BUF	02/15/24 10:45
Total/NA	Analysis	7471B		1	700949	NVK	EET BUF	02/15/24 13:25

Client Sample ID: B-7 (1-2`)

Date Collected: 02/08/24 13:50

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	700404	AF	EET BUF	02/09/24 15:19

Client Sample ID: B-7 (1-2`)

Date Collected: 02/08/24 13:50

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-8

Matrix: Solid

Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			700559	CDC	EET BUF	02/12/24 17:46
Total/NA	Analysis	8260C		1	700562	CDC	EET BUF	02/12/24 22:55
Total/NA	Prep	3550C			700596	ER	EET BUF	02/13/24 08:34
Total/NA	Analysis	8270D		1	700718	JMM	EET BUF	02/14/24 16:51
Total/NA	Prep	3050B			700610	ESB	EET BUF	02/13/24 11:21
Total/NA	Analysis	6010C		1	700878	BMB	EET BUF	02/14/24 21:45
Total/NA	Prep	3050B			700610	ESB	EET BUF	02/13/24 11:21
Total/NA	Analysis	6010C		1	701019	BMB	EET BUF	02/15/24 16:58
Total/NA	Prep	7471B			700364	NVK	EET BUF	02/15/24 10:45
Total/NA	Analysis	7471B		1	700949	NVK	EET BUF	02/15/24 13:27

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-8 (2-4`)

Date Collected: 02/08/24 14:30

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	700404	AF	EET BUF	02/09/24 15:19

Client Sample ID: B-8 (2-4`)

Date Collected: 02/08/24 14:30

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-9

Matrix: Solid

Percent Solids: 79.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			700559	CDC	EET BUF	02/12/24 17:46
Total/NA	Analysis	8260C		1	700562	CDC	EET BUF	02/12/24 23:20
Total/NA	Prep	3550C			700596	ER	EET BUF	02/13/24 08:34
Total/NA	Analysis	8270D		5	700718	JMM	EET BUF	02/14/24 17:16
Total/NA	Prep	3050B			700610	ESB	EET BUF	02/13/24 11:21
Total/NA	Analysis	6010C		1	700878	BMB	EET BUF	02/14/24 21:48
Total/NA	Prep	3050B			700610	ESB	EET BUF	02/13/24 11:21
Total/NA	Analysis	6010C		1	701019	BMB	EET BUF	02/15/24 17:12
Total/NA	Prep	7471B			700364	NVK	EET BUF	02/15/24 10:45
Total/NA	Analysis	7471B		1	700949	NVK	EET BUF	02/15/24 13:28

Client Sample ID: B-9 (1-3`)

Date Collected: 02/08/24 14:45

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	700404	AF	EET BUF	02/09/24 15:19

Client Sample ID: B-9 (1-3`)

Date Collected: 02/08/24 14:45

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-10

Matrix: Solid

Percent Solids: 79.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			700559	CDC	EET BUF	02/12/24 17:46
Total/NA	Analysis	8260C		1	700562	CDC	EET BUF	02/12/24 23:44
Total/NA	Prep	3550C			700596	ER	EET BUF	02/13/24 08:34
Total/NA	Analysis	8270D		1	700718	JMM	EET BUF	02/14/24 17:40
Total/NA	Prep	3050B			700610	ESB	EET BUF	02/13/24 11:21
Total/NA	Analysis	6010C		1	700878	BMB	EET BUF	02/14/24 21:51
Total/NA	Prep	3050B			700610	ESB	EET BUF	02/13/24 11:21
Total/NA	Analysis	6010C		1	701019	BMB	EET BUF	02/15/24 17:16
Total/NA	Prep	7471B			700364	NVK	EET BUF	02/15/24 10:45
Total/NA	Analysis	7471B		5	700949	NVK	EET BUF	02/15/24 15:40

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: B-10 (1-2`)

Date Collected: 02/08/24 15:10

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	700404	AF	EET BUF	02/09/24 15:19

Client Sample ID: B-10 (1-2`)

Date Collected: 02/08/24 15:10

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-11

Matrix: Solid

Percent Solids: 72.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			700559	CDC	EET BUF	02/12/24 17:46
Total/NA	Analysis	8260C		1	700562	CDC	EET BUF	02/13/24 00:08
Total/NA	Prep	3550C			700596	ER	EET BUF	02/13/24 08:34
Total/NA	Analysis	8270D		1	700718	JMM	EET BUF	02/14/24 18:05
Total/NA	Prep	3050B			700610	ESB	EET BUF	02/13/24 11:21
Total/NA	Analysis	6010C		1	700878	BMB	EET BUF	02/14/24 21:55
Total/NA	Prep	3050B			700610	ESB	EET BUF	02/13/24 11:21
Total/NA	Analysis	6010C		1	701751	BMB	EET BUF	02/23/24 13:29
Total/NA	Prep	7471B			700364	NVK	EET BUF	02/15/24 10:45
Total/NA	Analysis	7471B		1	700949	NVK	EET BUF	02/15/24 13:31

Client Sample ID: MW-1

Date Collected: 02/08/24 16:00

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	700465	CC	EET BUF	02/12/24 18:08
Total/NA	Prep	3510C			700602	JMP	EET BUF	02/13/24 08:59
Total/NA	Analysis	8270D		1	700755	JMM	EET BUF	02/14/24 22:49
Total/NA	Prep	3005A			700400	EMO	EET BUF	02/12/24 10:25
Total/NA	Analysis	6010C		1	700616	BMB	EET BUF	02/12/24 22:40
Total/NA	Prep	3005A			700400	EMO	EET BUF	02/12/24 10:25
Total/NA	Analysis	6010C		5	700741	BMB	EET BUF	02/13/24 18:46
Total/NA	Prep	7470A			700762	NVK	EET BUF	02/14/24 12:08
Total/NA	Analysis	7470A		1	700813	NVK	EET BUF	02/14/24 16:29

Client Sample ID: MW-2

Date Collected: 02/08/24 17:00

Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	700465	CC	EET BUF	02/12/24 18:31
Total/NA	Prep	3510C			700602	JMP	EET BUF	02/13/24 08:59
Total/NA	Analysis	8270D		1	700755	JMM	EET BUF	02/14/24 23:16
Total/NA	Prep	3005A			700400	EMO	EET BUF	02/12/24 10:25
Total/NA	Analysis	6010C		1	700616	BMB	EET BUF	02/12/24 22:44
Total/NA	Prep	3005A			700400	EMO	EET BUF	02/12/24 10:25
Total/NA	Analysis	6010C		5	700741	BMB	EET BUF	02/13/24 19:03

Eurofins Buffalo

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Client Sample ID: MW-2
Date Collected: 02/08/24 17:00
Date Received: 02/09/24 09:45

Lab Sample ID: 480-216958-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			700762	NVK	EET BUF	02/14/24 12:08
Total/NA	Analysis	7470A		1	700813	NVK	EET BUF	02/14/24 16:30

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7470A	Mercury (CVAA)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3005A	Preparation, Total Metals	SW846	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF
5035A_L	Closed System Purge and Trap	SW846	EET BUF
7470A	Preparation, Mercury	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: Colonie - Albany Soil & Groundwater

Job ID: 480-216958-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-216958-1	B-11 (2-3')	Solid	02/08/24 15:30	02/09/24 09:45
480-216958-2	B-1 (2.5-4.5')	Solid	02/08/24 08:30	02/09/24 09:45
480-216958-3	B-2 (4-5')	Solid	02/08/24 10:30	02/09/24 09:45
480-216958-4	B-3 (2-4')	Solid	02/08/24 11:50	02/09/24 09:45
480-216958-5	B-4 (6-8')	Solid	02/08/24 12:15	02/09/24 09:45
480-216958-6	B-5 (1-2')	Solid	02/08/24 13:00	02/09/24 09:45
480-216958-7	B-6 (3-4')	Solid	02/08/24 13:30	02/09/24 09:45
480-216958-8	B-7 (1-2')	Solid	02/08/24 13:50	02/09/24 09:45
480-216958-9	B-8 (2-4')	Solid	02/08/24 14:30	02/09/24 09:45
480-216958-10	B-9 (1-3')	Solid	02/08/24 14:45	02/09/24 09:45
480-216958-11	B-10 (1-2')	Solid	02/08/24 15:10	02/09/24 09:45
480-216958-12	MW-1	Water	02/08/24 16:00	02/09/24 09:45
480-216958-13	MW-2	Water	02/08/24 17:00	02/09/24 09:45

Chain of Custody Record



Client Information		Sampler: <u>Jacob Cox</u>		Lab PM: <u>Beninati, John</u>	Carrier Tracking No(s):	COC No: 480-192550-40331.1
Client Contact: Alexis Palumbo-Compton		Phone: <u>716 418 0192</u>		E-Mail: <u>John.Beninati@et.eurolins.com</u>	State of Origin:	Page: 1 of 2
Company: Brydges Engineering in Environment & Energy DPC		PWSID:		Job #:		
Address: 960 Busti Ave Suite B-150		Due Date Requested:		Analysis Requested		
City: Buffalo		TAT Requested (days): <u>Standard</u>		Preservation Codes:		
State, Zip: NY, 14213		Compliance Project: <u>Standard</u>		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anichlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)		
Phone: 716-362-6533(Tel)		Purchase Order not required		Other:		
Email: apalumbo@be3corp.com		Project #:		Total Number of containers		
Project Name: Colonie Soil & Groundwater		48027325		Special Instructions/Note:		
Site: <u>Colonie - Albany</u>		SSOW#:		1530 sample time		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=other)	Field Filtered Sample (Yes or No)	Photo/MS/MSD (Yes or No)	6010C, 7471B	8270D - Part 375 SVOCs + TICS (LL Bulk)	6010C, 7470A	8260C - Part 375 VOCs + TICS
B-11 (2-3')	2/8	8:30	G	Solid			X	X		
B-1 (2.5-4.5')	2/8	8:30	G	Solid			X	X		
B-2 (4-5')	2/8	10:30	G	Solid			X	X		
B-3 (2-4')	2/8	11:50	G	Solid			X	X		
B-4 (6-8')	2/8	12:15	G	Solid			X	X		
B-5 (1-2')	2/8	13:00	G	Solid			X	X		
B-6 (3-4')	2/8	13:30	G	Solid			X	X		
B-7 (1-2')	2/8	13:50	G	Solid			X	X		
B-8 (2-4')	2/8	14:30	G	Solid			X	X		
B-9 (1-3')	2/8	14:45	G	Solid			X	X		
B-10 (1-2')	2/8	15:10	G	Solid			X	X		

480-216958 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: _____ Date/Time: _____ Company: _____

Relinquished by: _____ Date/Time: _____ Company: _____

Relinquished by: _____ Date/Time: _____ Company: _____

Custody Seal No.: _____

Cooler Temperature(s) and Other Remarks: 3.3 ICE

Chain of Custody Record

[illegible]

Login Sample Receipt Checklist

Client: Brydges Engineering in Environment & Energy DPC

Job Number: 480-216958-1

Login Number: 216958

List Number: 1

Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	BE3
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	