

February 21, 2023

New Mexico Energy, Minerals & Natural Resources
NMOCD District II

C/O Mike Bratcher, Robert Hamlet & Jennifer Nobui
811 S. First Street
Artesia, NM 88210

Tap Rock Operating, LLC
C/O Christian Combs & Bill Ramsey
523 Park Point Drive
Golden, CO 80401

Subject: Remediation Plan for Pliny the Elder Spill

API No. 30-015-45558

Incident ID No. NAPP2232633250

**Legal: U/L M, Section 4, Township 23 South, Range 27 East
EDDY County, New Mexico**

To Whom it May Concern:

Tap Rock Operating encountered a spill at the above-mentioned location on November 21st, 2022, caused by their completions third party (Breakwater Energy Partners). Select Energy Services, Inc (whom owns Breakwater Energy Partners) retained Larson & Associates to conduct a spill assessment for the Pliny the Elder #215H Release (hereafter referred to as the "Pliny") for the produced water release. On the following date, November 22nd 2022, ESS provided the immediate notification of the release to the New Mexico Oil Conservation Division (NMOCD), District II Office, via email at 9:11 AM. (Notification Attached). On behalf of Tap Rock, ESS also submitted the initial C141 Release Notification, along with the spill calculator used to determine the volume of the release (attached) on November 22nd 2022. The NMOCD accepted the C141 as record on November 22nd, 2022. The incident number assigned to the release is NAPP2232633250. (Notification correspondence is attached). This report provides a detailed description of the spill assessment, delineation, and remedial activities, which demonstrates that the upcoming remediation plan and closure criteria established in the 19.15.29.12 *New Mexico Administrative Code (NMAC: New Mexico Oil Conservation Division, 2018)* will be met. Tap Rock expects this closure to be completed as soon as practical and requests a May 1st, 2023 closure from the NMOCD.



February 14, 2023

VIA Email: Hbultter@selectenergy.com

Ms. Halie Butler
Sr. Corporate Compliance and Environmental Manager
Select Energy Services, Inc.
5721 NW 132nd Street
Oklahoma City, OK 73142

Re: Remediation Scope of Work – Pliney Elder Release, Eddy County, New Mexico

Dear Ms. Butler,

Larson & Associates, Inc. (LAI) presents this scope of work for addressing the release at the Pliney Elder (Site) in Eddy County, New Mexico. The geodetic position for the spill is North 32.338589° and West -104.201672°. Figure 1 presents a topographic and location map. Figure 2 presents an aerial map for the spill.

Physical Setting

The physical setting is as follows:

- The surface elevation is approximately 3,140 feet above mean sea level (msl).
- The surface elevation gradually decreases to the east.
- Karst Data provided by the USGS describes the Site as “Medium Risk” potential.
- The primary soil is the Reagan Loam, nearly level, consisting of 82 inches of loam.
- The geology is Holocene to lower Pleistocene aged Piedmont alluvial deposits.
- The nearest groundwater well with data fitting the NMOCD requirements is located about 0.36 miles east from the Site, drilled on June 12, 2003, with a depth of groundwater being reported at 71 feet below ground surface (bgs).

Spill Delineation

In December 2022 and January 2023, LAI personnel used a stainless-steel hand auger and/or Geoprobe® Model 7822 direct push rig to collect vertical delineation soil samples at forty-three (43) locations (S-1 through S-43) and four (4) horizontal delineation soil samples in each cardinal direction (i.e., north, south, east, and west). Soil samples were collected to maximum depth of thirteen (13) feet bgs depending on chloride concentration and subsurface conditions. Eurofins – Xenco Laboratories (Xenco) in Midland, Texas, analyzed the samples for benzene, toluene, ethylbenzene, and xylenes (BTEX), total petroleum hydrocarbon (TPH), including gasoline range organics (C6-C12), diesel range organics (>C12-C28) and oil range organics (>C28-C35), and chloride by EPA SW-846 Methods 8021B, 8015M, and M300, respectively.

Benzene and BTEX were below the NMOCD remediation standards in Table 1 (19.15.29 NMAC) of 10 milligrams per kilogram (mg/Kg) and 50 mg/Kg, respectively. All sample locations with the exception of S-20 and S-42 were fully delineated for TPH to 100 mg/Kg and chloride to 600 mg/Kg. Subsurface conditions due to hard caliche prevented completion of the delineation at S-20 and S-42 at a depth of thirteen (13) feet bgs and five (5) feet bgs, respectively. Table 1 presents the analytical data summary.

507 North Marienfeld Street, Suite 202 ♦ Midland, Texas 79701 ♦ Ph. (432) 687-0901 ♦ Fax (432) 687-0456

Ms. Halie Butler
February 14, 2023

Spill Remediation

The spill will be remediated to the NMOCD remediation standards listed in Table I 19.15.29 NMAC for groundwater occurring at a depth between 50 to 100 feet bgs. LAI proposes the following remedial actions:

- Excavate soil from an area measuring approximately 16,228 square feet encompassing sample locations S-6, S-8, S-10, S-12, S-13, S-14, and S-19 to a depth of approximately one (1) foot bgs.
- Excavate soil from an area measuring approximately 39,337 square feet encompassing sample locations S-5, S-9, S-15, S-24 through S-37, S-39, S-40, S-41, and S-43 to a depth of approximately two (2) feet bgs.
- Excavate soil from an area measuring approximately 4,171 square feet encompassing sample locations S-4 and S-11 to a depth of approximately three (3) feet bgs.
- Excavate soil from an area measuring approximately 4,028 square feet encompassing sample locations S-20 and S-42.
- During remediation activities, sample locations S-20 and S-42 will be fully delineated with a trackhoe to a depth of approximately fifteen (15) and ten (10) feet bgs.
- Collect five (5) point composite bottom and sidewall confirmation soil samples every 200 square feet and analyze for BTEX, TPH, and chloride.
- Backfill the excavation on the pad with clean caliche and to one (1) foot bgs within the pasture. The remaining one (1) foot in the pasture will be backfilled with topsoil assuming achievement of OCD remediation levels.
- The excavation areas within the pasture will be seeded with BLM Mix #2.
- Prepare a report with photographs detailing the delineation and remediation at the Site for submittal to OCD District II.

Figure 3 presents the proposed excavation areas and depths.

Please contact Mark Larson or me at (432) 687-0901 if you have questions.

Respectfully,
LARSON & ASSOCIATES, INC.

Robert Nelson

Robert Nelson
Sr. Geologist
(c) – (432) 664-4804
rnelson@laenvironmental.com
Encl.

Tables

Table 1
Delineation Sample Analytical Data Summary
Breakwater - Pliney Elder
Eddy County, New Mexico
32°20'18.92"N, 104°12'06.02"W

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limit:				10	50	100/2,500				600/10,000
S-1	0-0.5	12/01/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	24.6
	0.5-1	12/01/2022	In-Situ	<0.00199	<0.00398	728	<49.9	<49.9	728	27.8
S-2	0-0.5	12/01/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	155
	0.5-1	12/01/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	187
S-3	0-0.5	12/01/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	277
	0.5-1	12/01/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	299
S-4	0-0.5	12/01/2022	In-Situ	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	1,650
	0.5-1	12/01/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	4,210
	1	01/12/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	2,100
	3	01/12/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	483
	5	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	591
	6	01/12/2023	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	125
S-5	0-0.5	12/01/2022	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	261
	0.5-1	12/01/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	833
	1	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	1,180
	3	01/12/2023	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	39.9
	5	01/12/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	29.3
	10	01/12/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	17.3
S-6	0-0.5	12/01/2022	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	1,070
	0.5-1	12/01/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	270
S-7	0-0.5	12/01/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	36.5
	0.5-1	12/01/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	34.3

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Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limit:				10	50	100/2,500				600/10,000
S-8	0-0.5	12/01/2022	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	947
	0.5-1	12/01/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	467
S-9	0-0.5	12/01/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	361
	0.5-1	12/01/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	1,060
	1	01/12/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	1,190
	3	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	368
	5	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	70.1
S-10	0-0.5	12/01/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	982
	0.5-1	12/01/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	620
	1	01/12/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	484
	3	01/12/2023	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	93.0
	5	01/12/2023	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	14.9
	7	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	84.8
S-11	0-0.5	12/01/2022	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	823
	0.5-1	12/01/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	900
	1	01/12/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	2,310
	3	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	266
	5	01/12/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	12.2
	6	01/12/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	12.3
S-12	0-0.5	12/01/2022	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	926
	0.5-1	12/01/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	52.5
S-13	0-0.5	12/01/2022	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	978

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Delineation Limit:				10	50	100/2,500				600/10,000
	0.5-1	12/01/2022	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	190
S-14	0-0.5	12/01/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	982
	0.5-1	12/01/2022	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	80.1
North	0-0.5	12/01/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	14.8
	0.5-1	12/01/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	20.5
South	0-0.5	12/01/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	17.1
	0.5-1	12/01/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	15.3
East	0-0.5	12/01/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	23.2
	0.5-1	12/01/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	17.7
S-15	0-0.5	12/08/2022	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	1,020
	0.5-1	12/08/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	1,060
	1	01/12/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	667
	3	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	155
	5	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	39.4
	10	01/12/2023	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	13.2
S-16	0-0.5	12/08/2022	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	113
	0.5-1	12/08/2022	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<5.05
S-17	0-0.5	12/08/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	143
	0.5-1	12/08/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	323
S-18	0-0.5	12/08/2022	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	42.7

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Delineation Limit:				10	50	100/2,500				600/10,000
	0.5-1	12/08/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	47.4
S-19	0-0.5	12/08/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	1,040
	0.5-1	12/08/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	434
S-20	0-0.5	12/08/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	807
	0.5-1	12/08/2022	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	1,130
	1	01/12/2023	In-Situ	<0.00202	<0.00403	<49.9	210	<49.9	210	2,010
	3	01/12/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	1,140
	5	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	1,870
	10	01/12/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	757
	13	01/12/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	721
S-21	0-0.5	12/08/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<4.99
	0.5-1	12/08/2022	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	482
S-22	0-0.5	12/08/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	347
S-23	0-0.5	12/08/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	412
	0.5-1	12/08/2022	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	13.8
S-24	0-0.5	12/08/2022	In-Situ	<0.00200	<0.00399	<50.0	135	<50.0	135	246
	1	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	317	<49.9	317	1,560
	3	01/12/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	370
	6	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	23.0
S-25	0-0.5	12/08/2022	In-Situ	<0.00202	<0.00404	<49.9	393	<49.9	393	680
	1	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	157	<49.9	157	1,370

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Delineation Limit:				10	50	100/2,500				600/10,000
	3	01/12/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	149
	5	01/12/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	44.3
	10	01/12/2023	In-Situ	<0.00198	<0.00398	<49.9	<49.9	<49.9	<49.9	19.2
S-26	0-0.5	12/08/2022	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	652
	1	01/12/2023	In-Situ	<0.00200	<0.00401	<50.0	60.2	<50.0	60.2	2,040
	3	01/12/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	97.6
	5	01/12/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	10.5
	10	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	5.62
S-27	1	01/13/2023	In-Situ	<0.00199	<0.00398	<50.0	253	135	388	324
	3	01/13/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	146
	5	01/13/2023	In-Situ	<0.00199	<0.00399	<49.8	<49.8	<49.8	<49.8	20.2
S-28	1	01/13/2023	In-Situ	<0.00199	<0.00398	<49.9	358	<49.9	358	952
	3	01/13/2023	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	153
	5	01/13/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	129
	7	01/13/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	104
S-29	1	01/13/2023	In-Situ	<0.00200	<0.00401	<50.0	101	<50.0	101	700
	3	01/13/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	193
	5	01/13/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	399
	7	01/13/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	270
S-30	1	01/13/2023	In-Situ	<0.00199	<0.00398	<50.0	156	<50.0	156	1,320
	3	01/13/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	127
	5	01/13/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	101
	7	01/13/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	139

Table 1
Delineation Sample Analytical Data Summary
Breakwater - Pliney Elder
Eddy County, New Mexico
32°20'18.92"N, 104°12'06.02"W

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limit:				10	50	100/2,500				600/10,000
S-31	1	01/13/2023	In-Situ	<0.00199	<0.00398	<49.9	57.9	<49.9	57.9	1,160
	3	01/13/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	91.3
	5	01/13/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	43.2
	6.5	01/13/2023	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	39.1
S-32	1	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	83.9	<49.9	83.9	1,370
	3	01/12/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	269
	5	01/12/2023	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	64.6
	10	01/12/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	106
S-33	1	01/12/2023	In-Situ	<0.00201	<0.00402	<49.9	54	<49.9	54	1,270
	3	01/12/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	523
	5	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	52.6
	10	01/12/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	35.8
S-34	1	01/17/2023	In-Situ	<0.00199	<0.00398	<50.0	181	<50.0	181	1,370
	3	01/17/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	37.4
S-35	1	01/16/2023	In-Situ	<0.00199	<0.00398	<50.0	137	<50.0	137	2,060
	3	01/16/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	119
S-36	1	01/17/2023	In-Situ	<0.00200	<0.00401	<50.0	85.9	<50.0	85.9	402
	3	01/17/2023	In-Situ	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	404
	5	01/17/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	391
S-37	1	01/13/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	961
	3	01/13/2023	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	159

Table 1
Delineation Sample Analytical Data Summary
Breakwater - Pliney Elder
Eddy County, New Mexico
32°20'18.92"N, 104°12'06.02"W

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limit:				10	50	100/2,500			600/10,000	
	5	01/13/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	249
	7	01/13/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	154
S-38	1	01/16/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	595
	3	01/16/2023	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	113
	5	01/16/2023	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	94.9
	10	01/16/2023	In-Situ	<0.00200	<0.00399	<49.9	64.8	<49.9	64.8	94.2
S-39	1	01/16/2023	In-Situ	<0.00201	<0.00402	<49.9	256	<49.9	256	628
	3	01/16/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	55.2
S-40	1	01/16/2023	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	1,650
	3	01/16/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	291
	5	01/16/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	214
	7	01/16/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	66.3
S-41	1	01/16/2023	In-Situ	<0.00200	<0.00399	<50.0	1,290	<50.0	1,290	2,410
	3	01/16/2023	In-Situ	<0.00201	0.0459	<50.0	<50.0	<50.0	<50.0	139
S-42	1	01/16/2023	In-Situ	<0.00202	<0.00404	<49.9	78.7	<49.9	78.7	2,840
	3	01/16/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	1,460
	5	01/16/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	682
S-43	1	01/16/2023	In-Situ	<0.00201	<0.00402	<49.9	168	<49.9	168	1,110
	3	01/16/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	350
West	0 - 1	01/13/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	154

Table 1
Delineation Sample Analytical Data Summary
Breakwater - Pliney Elder
Eddy County, New Mexico
32°20'18.92"N, 104°12'06.02"W

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limit:				10	50				100/2,500	600/10,000

Notes: Analysis performed by and Xenco Laboratories in Midland, Texas by EPA SW-846 8021B (BTEX), 8015M (TPH), and 300E (Chloride)

Depth in feet below ground surface (bgs)

mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)

<: denotes concentration less than analytical method reporting limit

Bold and Highlighted exceeds OCD remediation action limits

From: [Natalie Gladden](#)
To: [ocdonline, emnrd, EMNRD](#); [Bratcher, Mike, EMNRD](#); [Hamlet, Robert, EMNRD](#); [Harimon, Jocelyn, EMNRD](#); [Nobui, Jennifer, EMNRD](#)
Cc: [Bill Ramsey](#); [Christian Combs](#); [Dakoatah Montanez](#)
Subject: [EXTERNAL] TAP ROCK - SPILL NOTIFICATION - PLINY THE ELDER #215H
Date: Tuesday, November 22, 2022 9:10:58 AM
Attachments: [image001.png](#)
Importance: High

[EXTERNAL] This email originated from outside your organization. Do not trust links or attachments.

All,

On 11/21/2022 around 6:50pm, the frac tank that was being used during the completion phase overflowed causing the release. Please use this email as the official spill notification. The C141 will be uploaded shortly.

Details:

Pliny the Elder #215h

DOR: 11/21/22

Released: 612.42bbls of produced water

Recovered: 0bbls

If you have any questions or concerns, please let me know.

Sincerely,

Natalie Gladden

Director of Environmental and Regulatory Services

Energy Staffing Services, LLC.

2724 NW County Road

Hobbs, NM 88240

Cell: 575-390-6397

Office: 575-393-9048

Email: natalie@energystaffingllc.com

ESS



District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NAPP2232633250
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party TAP ROCK OPERATING	OGRID 372043
Contact Name CHRISTIAN COMBS	Contact Telephone 720-360-4028
Contact email CCOMBS@TAPRK.COM	Incident # (assigned by OCD) NAPP2232633250
Contact mailing address	

Location of Release Source

Latitude **32.338831**Longitude **-104.202270**

(NAD 83 in decimal degrees to 5 decimal places)

Site Name PLINY THE ELDER #215H	Site Type PRODUCTION
Date Release Discovered 11/21/2022	API# (if applicable) 30-015-45558

Unit Letter	Section	Township	Range	County
D	4	23S	27E	EDDY

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 612.42	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

FRAC TANK RAN OVER DURING COMPLETION OPERATIONS. FLUID RELEASED ONTO PAD AND PASTURE AREA.

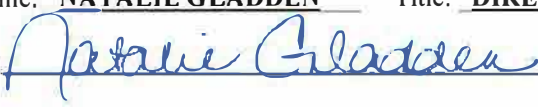
State of New Mexico
Oil Conservation Division

Incident ID	NAPP2232633250
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? VOLUME OF RELEASE
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? EMAIL OF SPILL NOTIFICATION WAS SENT BY NATALIE GLADDEN/ESS TO OCD, BRATCHER, NOBUI, HAMPLET AND HARIMON ON 11/22/22 AT 9:11AM.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

☒ The source of the release has been stopped.	
☒ The impacted area has been secured to protect human health and the environment.	
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: NATALIE GLADDEN	Title: DIRECTOR OF ENVIRONMENTAL AND REGULATORY
Signature: 	Date: 11/22/22
email: natalie@energystaffingllc.com	Telephone: (575) 390-6397
OCD Only	
Received by: Jocelyn Harimon	Date: 11/22/2022

Soil Type	Porosity	Length	Width	Depth (.083 per inch)	Cubic Feet	Estimated Barrels	Soil Type
Clay	0.15	10	10	0.083	8.3	0.22	Clay
Peat	0.40	10	10	0.083	8.3	0.59	Peat
Glacial Sediments	0.13	10	10	0.083	8.3	0.19	Glacial Sediments
Sandy Clay	0.12	10	10	0.083	8.3	0.18	Sandy Clay
Silt	0.16	10	10	0.083	8.3	0.24	Silt
Loess	0.25	10	10	0.083	8.3	0.37	Loess
Fine Sand	0.16	267.29	60.45	0.415	6705.4374	191.24	Fine Sand
Medium Sand	0.25	10	10	0.083	8.3	0.37	Medium Sand
Coarse Sand	0.26	10	10	0.083	8.3	0.38	Coarse Sand
Gravelly Sand	0.26	10	10	0.083	8.3	0.38	Gravelly Sand
Fine Gravel	0.26	10	10	0.083	8.3	0.38	Fine Gravel
Medium Gravel	0.20	275.55	258.28	0.166	11814.063	421.18	Medium Gravel
Coarse Gravel	0.18	10	10	0.083	8.3	0.27	Coarse Gravel
Sandstone	0.25	10	10	0.083	8.3	0.37	Sandstone
Siltstone	0.18	10	10	0.083	8.3	0.27	Siltstone
Shale	0.05	10	10	0.083	8.3	0.07	Shale
Limestone	0.13	10	10	0.083	8.3	0.19	Limestone
Basalt	0.19	10	10	0.083	8.3	0.28	Basalt
Volcanic Tuff	0.20	10	10	0.083	8.3	0.30	Volcanic Tuff
Standing Liquids	X	10	10	0.083	8.3	1.48	Standing Liquids

1	2	3	4	5	6
0.083	0.166	0.250	0.332	0.415	0.500
7	8	9	10	11	12
0.581	0.664	0.750	0.830	0.913	1.000

NOTE: This is an **estimate** tool designed for quick field estimates or whether a C-141 should be required (i.e. a release is estimated to be greater than or less than 5 barrel volumes)

Choose the one prevailing ground type for estimating spill volumes at a single location.

Note that the depth should be measured in feet and tenths of feet (1 inch = .083)

$$\text{Cubic Feet} = L \times W \times D$$

$$\text{Estimated Barrels} = ((\text{Cubic Feet} \times \text{Porosity}) / 5.61)$$

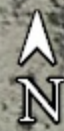
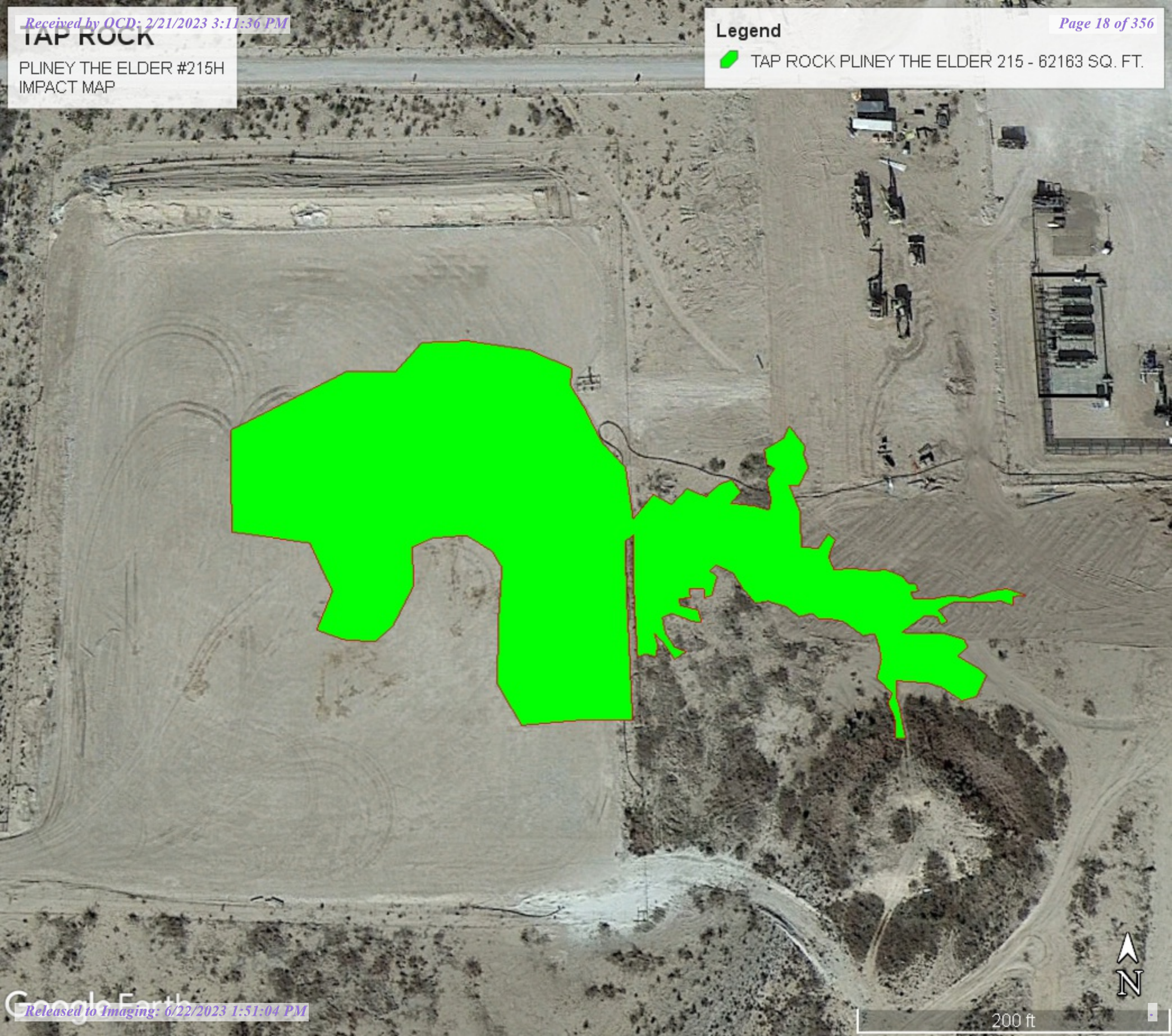
Figures

TAP ROCK

PLINEY THE ELDER #215H
IMPACT MAP

Legend

 TAP ROCK, PLINEY THE ELDER 215 - 62163 SQ. FT.



200 ft

Map Unit Description

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named, soils that are similar to the named components, and some minor components that differ in use and management from the major soils.

Most of the soils similar to the major components have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Some minor components, however, have properties and behavior characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. All the soils of a series have major horizons that are similar in composition, thickness, and arrangement. Soils of a given series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Additional information about the map units described in this report is available in other soil reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the soil reports define some of the properties included in the map unit descriptions.

Eddy Area, New Mexico

Rc—Reagan loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 1w5l

Elevation: 1,100 to 5,300 feet

Mean annual precipitation: 7 to 15 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 200 to 240 days

Map Unit Description: Reagan loam, 0 to 1 percent slopes---Eddy Area, New Mexico

Pliny

Farmland classification: Farmland of statewide importance

Map Unit Composition

Reagan and similar soils: 97 percent

Minor components: 3 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reagan

Setting

Landform: Fan remnants, alluvial fans

Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Alluvium and/or eolian deposits

Typical profile

H1 - 0 to 8 inches: loam

H2 - 8 to 82 inches: loam

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 8.2 inches)

Interpretive groups

Land capability classification (irrigated): 2e

Land capability classification (nonirrigated): 6c

Hydrologic Soil Group: B

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Minor Components

Reagan

Percent of map unit: 1 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Upton

Percent of map unit: 1 percent

Map Unit Description: Reagan loam, 0 to 1 percent slopes---Eddy Area, New Mexico

Pliny

Ecological site: R070BC025NM - Shallow
Hydric soil rating: No

Reeves

Percent of map unit: 1 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 18, Sep 8, 2022



















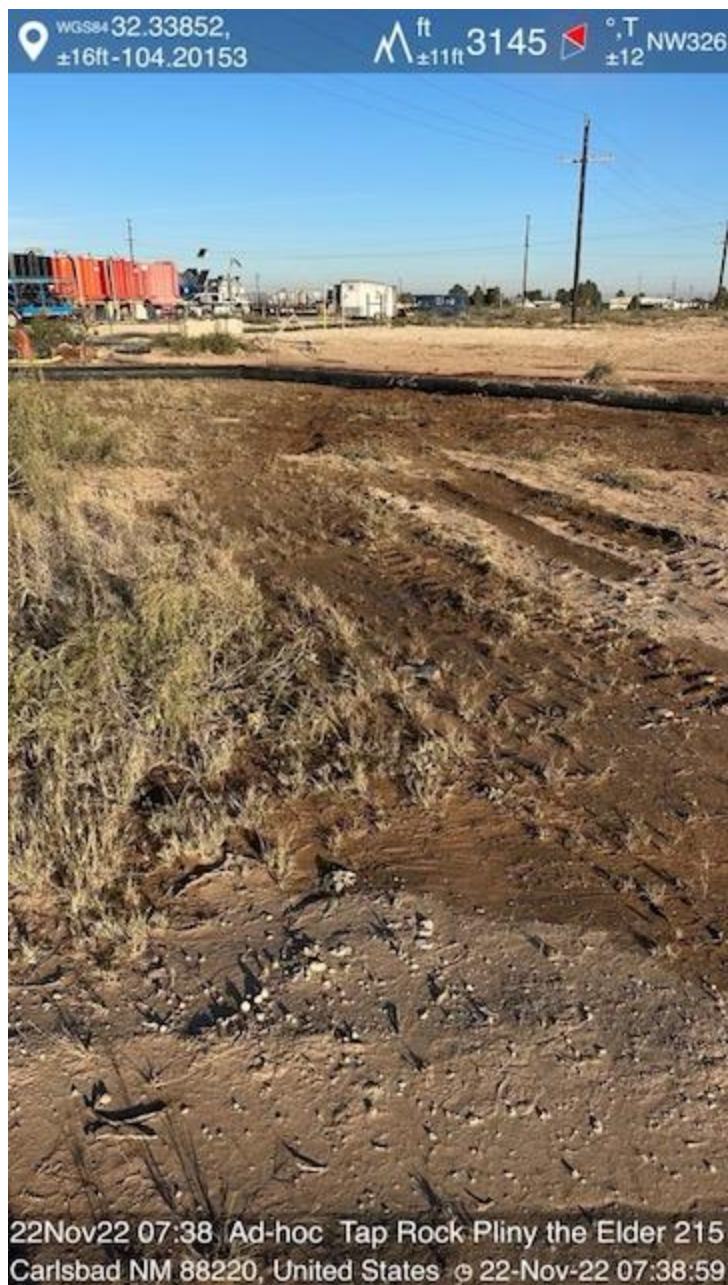












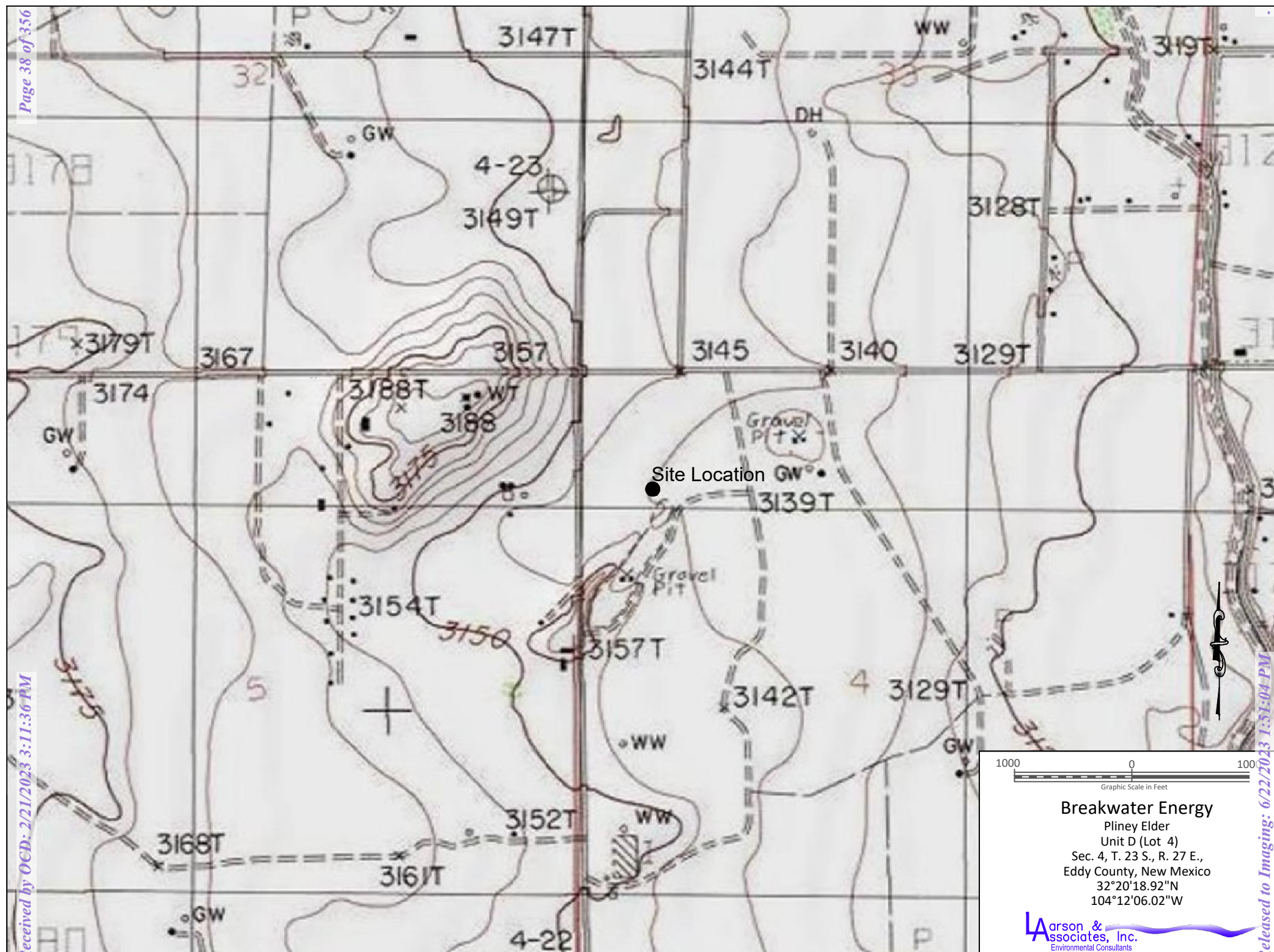


Figure 1 - Topographic Map

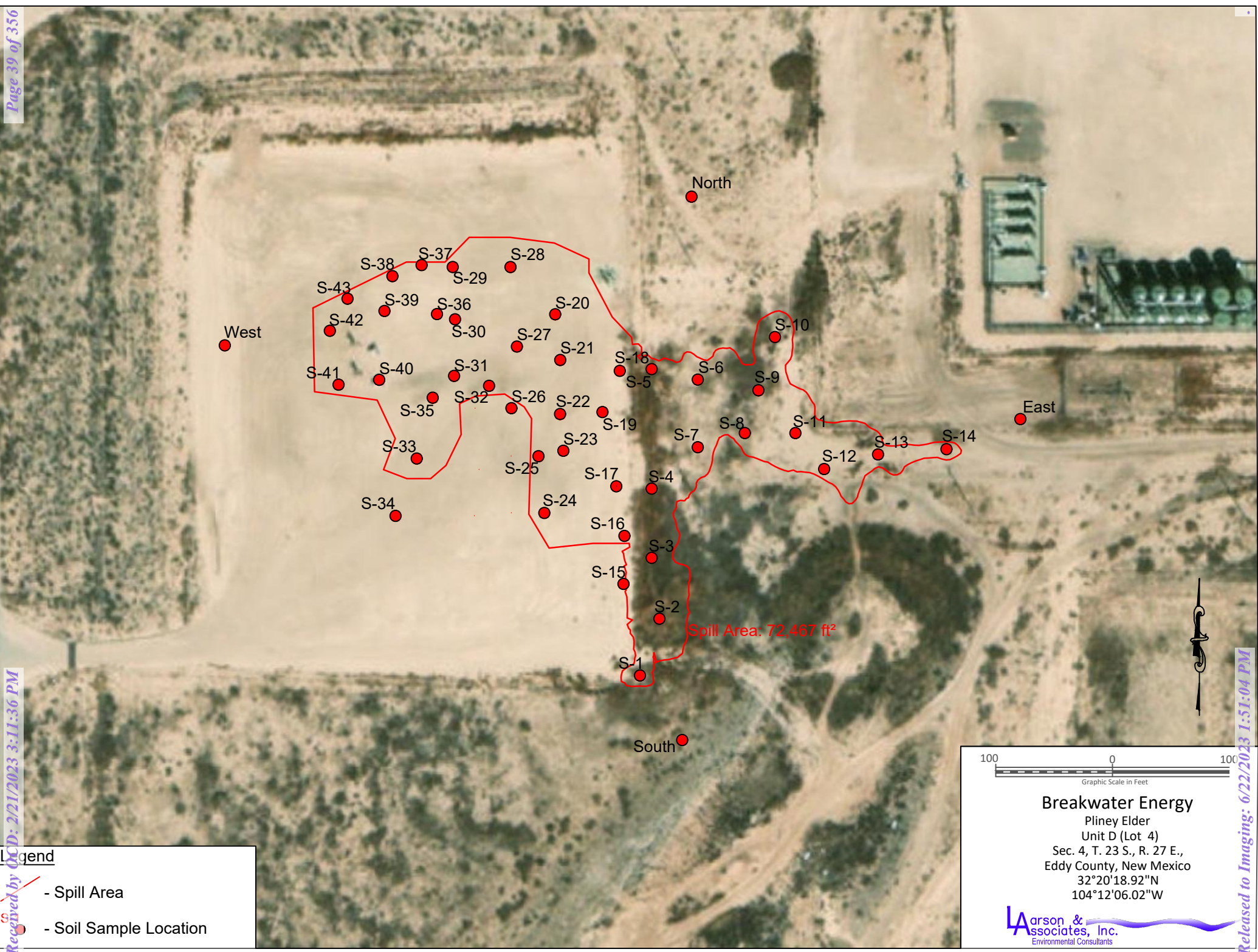


Figure 2 - Aerial Map

Figure 3 - Site Map Showing Proposed Excavation Areas

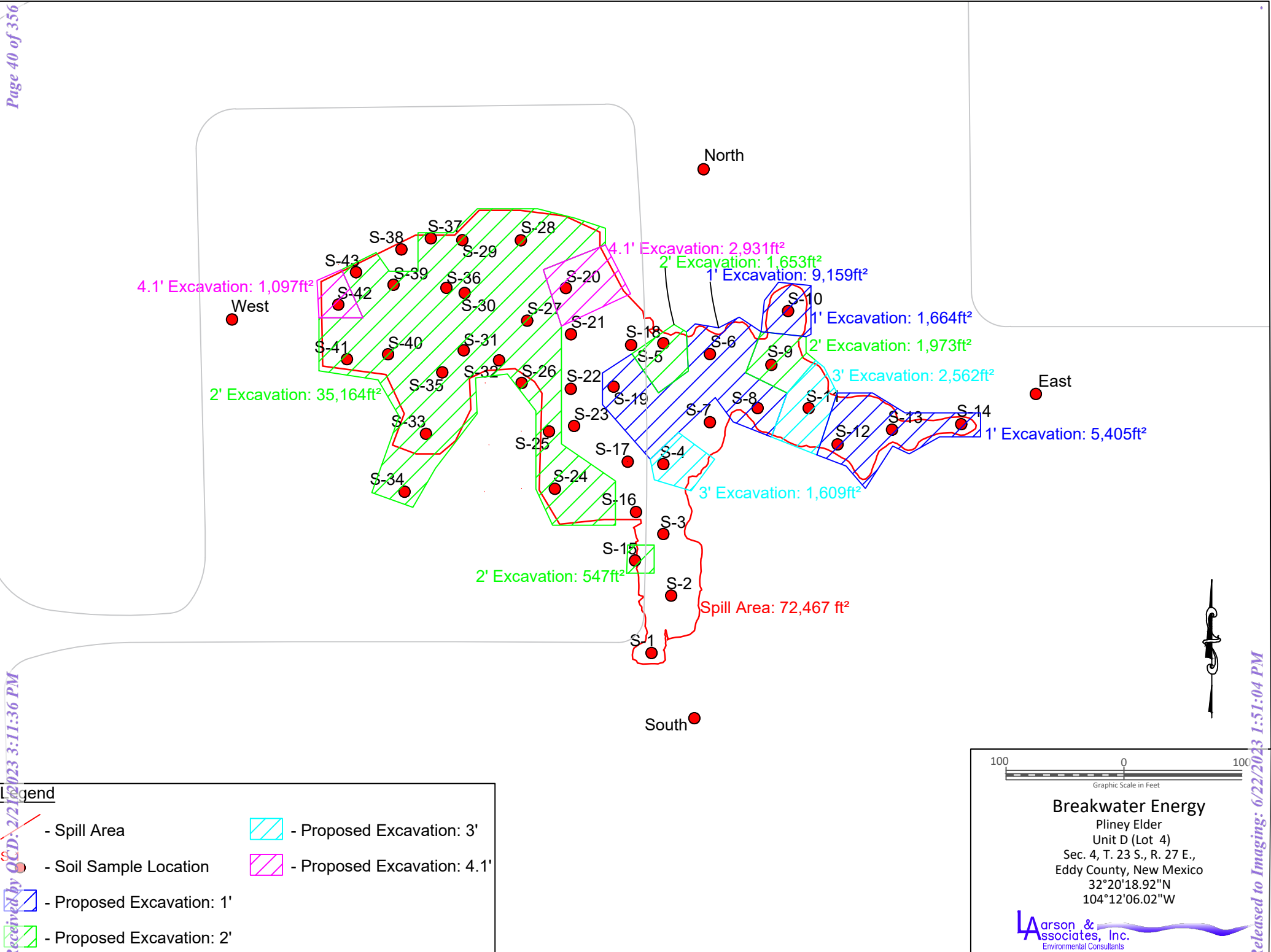


Table 1
Delineation Sample Analytical Data Summary
Breakwater - Pliney Elder
Eddy County, New Mexico
32°20'18.92"N, 104°12'06.02"W

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limit:				10	50	100/2,500				600/10,000
S-1	0-0.5	12/01/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	24.6
	0.5-1	12/01/2022	In-Situ	<0.00199	<0.00398	728	<49.9	<49.9	728	27.8
S-2	0-0.5	12/01/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	155
	0.5-1	12/01/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	187
S-3	0-0.5	12/01/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	277
	0.5-1	12/01/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	299
S-4	0-0.5	12/01/2022	In-Situ	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	1,650
	0.5-1	12/01/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	4,210
	1	01/12/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	2,100
	3	01/12/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	483
	5	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	591
	6	01/12/2023	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	125
S-5	0-0.5	12/01/2022	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	261
	0.5-1	12/01/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	833
	1	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	1,180
	3	01/12/2023	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	39.9
	5	01/12/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	29.3
	10	01/12/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	17.3
S-6	0-0.5	12/01/2022	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	1,070
	0.5-1	12/01/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	270
S-7	0-0.5	12/01/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	36.5
	0.5-1	12/01/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	34.3

Table 1
Delineation Sample Analytical Data Summary
Breakwater - Pliney Elder
Eddy County, New Mexico
32°20'18.92"N, 104°12'06.02"W

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limit:				10	50	100/2,500				600/10,000
S-8	0-0.5	12/01/2022	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	947
	0.5-1	12/01/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	467
S-9	0-0.5	12/01/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	361
	0.5-1	12/01/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	1,060
	1	01/12/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	1,190
	3	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	368
	5	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	70.1
S-10	0-0.5	12/01/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	982
	0.5-1	12/01/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	620
	1	01/12/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	484
	3	01/12/2023	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	93.0
	5	01/12/2023	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	14.9
	7	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	84.8
S-11	0-0.5	12/01/2022	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	823
	0.5-1	12/01/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	900
	1	01/12/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	2,310
	3	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	266
	5	01/12/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	12.2
	6	01/12/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	12.3
S-12	0-0.5	12/01/2022	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	926
	0.5-1	12/01/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	52.5
S-13	0-0.5	12/01/2022	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	978

Table 1
Delineation Sample Analytical Data Summary
Breakwater - Pliney Elder
Eddy County, New Mexico
32°20'18.92"N, 104°12'06.02"W

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limit:				10	50	100/2,500				600/10,000
	0.5-1	12/01/2022	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	190
S-14	0-0.5	12/01/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	982
	0.5-1	12/01/2022	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	80.1
North	0-0.5	12/01/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	14.8
	0.5-1	12/01/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	20.5
South	0-0.5	12/01/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	17.1
	0.5-1	12/01/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	15.3
East	0-0.5	12/01/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	23.2
	0.5-1	12/01/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	17.7
S-15	0-0.5	12/08/2022	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	1,020
	0.5-1	12/08/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	1,060
	1	01/12/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	667
	3	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	155
	5	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	39.4
	10	01/12/2023	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	13.2
S-16	0-0.5	12/08/2022	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	113
	0.5-1	12/08/2022	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<5.05
S-17	0-0.5	12/08/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	143
	0.5-1	12/08/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	323
S-18	0-0.5	12/08/2022	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	42.7

Table 1
Delineation Sample Analytical Data Summary
Breakwater - Pliney Elder
Eddy County, New Mexico
32°20'18.92"N, 104°12'06.02"W

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limit:				10	50	100/2,500				600/10,000
	0.5-1	12/08/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	47.4
S-19	0-0.5	12/08/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	1,040
	0.5-1	12/08/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	434
S-20	0-0.5	12/08/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	807
	0.5-1	12/08/2022	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	1,130
	1	01/12/2023	In-Situ	<0.00202	<0.00403	<49.9	210	<49.9	210	2,010
	3	01/12/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	1,140
	5	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	1,870
	10	01/12/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	757
	13	01/12/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	721
S-21	0-0.5	12/08/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<4.99
	0.5-1	12/08/2022	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	482
S-22	0-0.5	12/08/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	347
S-23	0-0.5	12/08/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	412
	0.5-1	12/08/2022	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	13.8
S-24	0-0.5	12/08/2022	In-Situ	<0.00200	<0.00399	<50.0	135	<50.0	135	246
	1	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	317	<49.9	317	1,560
	3	01/12/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	370
	6	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	23.0
S-25	0-0.5	12/08/2022	In-Situ	<0.00202	<0.00404	<49.9	393	<49.9	393	680
	1	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	157	<49.9	157	1,370

Table 1
Delineation Sample Analytical Data Summary
Breakwater - Pliney Elder
Eddy County, New Mexico
32°20'18.92"N, 104°12'06.02"W

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limit:				10	50	100/2,500				600/10,000
	3	01/12/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	149
	5	01/12/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	44.3
	10	01/12/2023	In-Situ	<0.00198	<0.00398	<49.9	<49.9	<49.9	<49.9	19.2
S-26	0-0.5	12/08/2022	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	652
	1	01/12/2023	In-Situ	<0.00200	<0.00401	<50.0	60.2	<50.0	60.2	2,040
	3	01/12/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	97.6
	5	01/12/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	10.5
	10	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	5.62
S-27	1	01/13/2023	In-Situ	<0.00199	<0.00398	<50.0	253	135	388	324
	3	01/13/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	146
	5	01/13/2023	In-Situ	<0.00199	<0.00399	<49.8	<49.8	<49.8	<49.8	20.2
S-28	1	01/13/2023	In-Situ	<0.00199	<0.00398	<49.9	358	<49.9	358	952
	3	01/13/2023	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	153
	5	01/13/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	129
	7	01/13/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	104
S-29	1	01/13/2023	In-Situ	<0.00200	<0.00401	<50.0	101	<50.0	101	700
	3	01/13/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	193
	5	01/13/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	399
	7	01/13/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	270
S-30	1	01/13/2023	In-Situ	<0.00199	<0.00398	<50.0	156	<50.0	156	1,320
	3	01/13/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	127
	5	01/13/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	101
	7	01/13/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	139

Table 1
Delineation Sample Analytical Data Summary
Breakwater - Pliney Elder
Eddy County, New Mexico
32°20'18.92"N, 104°12'06.02"W

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limit:				10	50	100/2,500				600/10,000
S-31	1	01/13/2023	In-Situ	<0.00199	<0.00398	<49.9	57.9	<49.9	57.9	1,160
	3	01/13/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	91.3
	5	01/13/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	43.2
	6.5	01/13/2023	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	39.1
S-32	1	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	83.9	<49.9	83.9	1,370
	3	01/12/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	269
	5	01/12/2023	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	64.6
	10	01/12/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	106
S-33	1	01/12/2023	In-Situ	<0.00201	<0.00402	<49.9	54	<49.9	54	1,270
	3	01/12/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	523
	5	01/12/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	52.6
	10	01/12/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	35.8
S-34	1	01/17/2023	In-Situ	<0.00199	<0.00398	<50.0	181	<50.0	181	1,370
	3	01/17/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	37.4
S-35	1	01/16/2023	In-Situ	<0.00199	<0.00398	<50.0	137	<50.0	137	2,060
	3	01/16/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	119
S-36	1	01/17/2023	In-Situ	<0.00200	<0.00401	<50.0	85.9	<50.0	85.9	402
	3	01/17/2023	In-Situ	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	404
	5	01/17/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	391
S-37	1	01/13/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	961
	3	01/13/2023	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	159

Table 1
Delineation Sample Analytical Data Summary
Breakwater - Pliney Elder
Eddy County, New Mexico
32°20'18.92"N, 104°12'06.02"W

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limit:				10	50	100/2,500			600/10,000	
	5	01/13/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	249
	7	01/13/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	154
S-38	1	01/16/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	595
	3	01/16/2023	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	113
	5	01/16/2023	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	94.9
	10	01/16/2023	In-Situ	<0.00200	<0.00399	<49.9	64.8	<49.9	64.8	94.2
S-39	1	01/16/2023	In-Situ	<0.00201	<0.00402	<49.9	256	<49.9	256	628
	3	01/16/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	55.2
S-40	1	01/16/2023	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	1,650
	3	01/16/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	291
	5	01/16/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	214
	7	01/16/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	66.3
S-41	1	01/16/2023	In-Situ	<0.00200	<0.00399	<50.0	1,290	<50.0	1,290	2,410
	3	01/16/2023	In-Situ	<0.00201	0.0459	<50.0	<50.0	<50.0	<50.0	139
S-42	1	01/16/2023	In-Situ	<0.00202	<0.00404	<49.9	78.7	<49.9	78.7	2,840
	3	01/16/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	1,460
	5	01/16/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	682
S-43	1	01/16/2023	In-Situ	<0.00201	<0.00402	<49.9	168	<49.9	168	1,110
	3	01/16/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	350
West	0 - 1	01/13/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	154

Table 1
Delineation Sample Analytical Data Summary
Breakwater - Pliney Elder
Eddy County, New Mexico
32°20'18.92"N, 104°12'06.02"W

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limit:				10	50				100/2,500	600/10,000

Notes: Analysis performed by and Xenco Laboratories in Midland, Texas by EPA SW-846 8021B (BTEX), 8015M (TPH), and 300E (Chloride)

Depth in feet below ground surface (bgs)

mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)

<: denotes concentration less than analytical method reporting limit

Bold and Highlighted exceeds OCD remediation action limits

From: [Bill Ramsey](#)
To: [ocdonline, emnrd, EMNRD](#); [Bratcher, Mike, EMNRD](#); [Nobui, Jennifer, EMNRD](#); [Hamlet, Robert, EMNRD](#); [Harimon, Jocelyn, EMNRD](#)
Cc: [Christian Combs](#); [Halie Butler](#)
Subject: Tap Rock: PLINY THE ELDER #215H - Extension Request
Date: Friday, February 17, 2023 2:36:00 PM
Attachments: [image001.png](#)

All,

Tap Rock would like to request an extension on the following release:

Location: Pliny the Elder #215H

DOR: 11/21/22

Spill ID: NAPP2232633250

API# 30-015-45558

A remediation plan is being finalized between the completions company handling the cleanup and Tap Rock. Tap Rock requests a 10-day extension to allow proper internal review/plan of action forward for both parties before submission to the NMOCD for determination.

If you have any questions or concerns, please let me know.

Thanks,

Bill Ramsey
Environmental Specialist
Cell: (720) 238-2787



Incident ID	NAPP2232633250
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>Unknown</u> (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	NAPP2232633250
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Bill Ramsey Title: Environmental Specialist
Signature:  Date: 2/21/2023
email: bramsey@taprk.com Telephone: 720-238-2787

OCD Only

Received by: Jocelyn Harimon Date: 02/21/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Bill Ramsey Title: Environmental Specialist
Signature:  Date: 2/21/2022
email: bramsey@taprk.com Telephone: 720-238-2787

OCD Only

Received by: Jocelyn Harimon Date: 02/21/2023

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Incident ID	NAPP2232633250
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

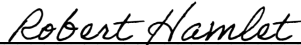
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Bill Ramsey Title: Environmental Specialist
Signature:  Date: 2/21/2022
email: bramsey@taprk.com Telephone: 720-238-2787

OCD Only

Received by: Jocelyn Harimon Date: 02/21/2023

☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature:  Date: 6/22/2023



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Mark J Larson
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Generated 12/15/2022 3:13:33 PM

JOB DESCRIPTION

Breakwater-Pliny Elder
SDG NUMBER 22-0107-02

JOB NUMBER

880-22230-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland**Job Notes**

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated
12/15/2022 3:13:33 PM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Laboratory Job ID: 880-22230-1
SDG: 22-0107-02

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
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
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

Eurofins Midland

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Job ID: 880-22230-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-22230-1****Receipt**

The samples were received on 12/2/2022 2:53 PM. 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 3.6°C

Receipt Exceptions

The following samples analyzed for method <TPH 8015> were received and analyzed from an unpreserved bulk soil jar.

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-41667 and 880-41753 and analytical batch 880-41835 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCSD 880-41667/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-41667 and 880-41753 and analytical batch 880-41835 was outside the control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-5, 0.5-1 (880-22230-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-22230-A-21-C MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: North 0.5-1 (880-22230-30), West 0.5-1 (880-22230-34) and (MB 880-41296/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-41279 and analytical batch 880-41411 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-41279/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1, 0.5-1 (880-22230-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-3, 0-0.5 (880-22230-5), S-3, 0.5-1 (880-22230-6), S-4, 0-0.5 (880-22230-7) and S-4, 0.5-1 (880-22230-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-5, 0.5-1 (880-22230-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-6, 0-0.5 (880-22230-11), S-6, 0.5-1 (880-22230-12) and S-7, 0-0.5 (880-22230-13). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Job ID: 880-22230-1 (Continued)

Laboratory: Eurofins Midland (Continued)

not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-8, 0.5-1 (880-22230-16) and S-9, 0-0.5 (880-22230-17). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-10, 0-0.5 (880-22230-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-41279 and analytical batch 880-41411 was outside control limits. Sample non-homogeneity is suspected.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-40976 and analytical batch 880-41271 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The laboratory control sample (LCS) associated with preparation batch 880-40975 and 880-40975 and analytical batch 880-41275 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-1, 0-0.5

Lab Sample ID: 880-22230-1

Date Collected: 12/01/22 11:41

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/14/22 19:38	1
Toluene	<0.00199	U F1	0.00199	mg/Kg		12/12/22 15:46	12/14/22 19:38	1
Ethylbenzene	<0.00199	U F1	0.00199	mg/Kg		12/12/22 15:46	12/14/22 19:38	1
m,p-Xylenes	<0.00398	U F1	0.00398	mg/Kg		12/12/22 15:46	12/14/22 19:38	1
o-Xylene	<0.00199	U F1	0.00199	mg/Kg		12/12/22 15:46	12/14/22 19:38	1
Xylenes, Total	<0.00398	U F1	0.00398	mg/Kg		12/12/22 15:46	12/14/22 19:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	12/12/22 15:46	12/14/22 19:38	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/12/22 15:46	12/14/22 19:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/12/22 10:49	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	50.0	mg/Kg		12/07/22 12:05	12/09/22 21:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/09/22 21:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/09/22 21:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130	12/07/22 12:05	12/09/22 21:54	1
o-Terphenyl (Surr)	125		70 - 130	12/07/22 12:05	12/09/22 21:54	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.6	*+	4.96	mg/Kg			12/09/22 16:17	1

Client Sample ID: S-1, 0.5-1

Lab Sample ID: 880-22230-2

Date Collected: 12/01/22 11:42

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/14/22 19:58	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/14/22 19:58	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/14/22 19:58	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/12/22 15:46	12/14/22 19:58	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/14/22 19:58	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/12/22 15:46	12/14/22 19:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	12/12/22 15:46	12/14/22 19:58	1
1,4-Difluorobenzene (Surr)	109		70 - 130	12/12/22 15:46	12/14/22 19:58	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-1, 0.5-1

Lab Sample ID: 880-22230-2

Date Collected: 12/01/22 11:42

Matrix: Solid

Date Received: 12/02/22 14:53

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	728		49.9	mg/Kg			12/12/22 10:49	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	728		49.9	mg/Kg		12/07/22 12:05	12/09/22 22:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/09/22 22:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/09/22 22:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	122		70 - 130			12/07/22 12:05	12/09/22 22:59	1
o-Terphenyl (Surr)	132	S1+	70 - 130			12/07/22 12:05	12/09/22 22:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.8	+	4.97	mg/Kg			12/09/22 16:23	1

Client Sample ID: S-2, 0-0.5

Lab Sample ID: 880-22230-3

Date Collected: 12/01/22 11:44

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		12/12/22 15:46	12/14/22 20:19	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/12/22 15:46	12/14/22 20:19	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/12/22 15:46	12/14/22 20:19	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/12/22 15:46	12/14/22 20:19	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/12/22 15:46	12/14/22 20:19	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/12/22 15:46	12/14/22 20:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130			12/12/22 15:46	12/14/22 20:19	1
1,4-Difluorobenzene (Surr)	96		70 - 130			12/12/22 15:46	12/14/22 20:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/12/22 10:49	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/09/22 23:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/09/22 23:20	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-2, 0-0.5

Lab Sample ID: 880-22230-3

Date Collected: 12/01/22 11:44

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/09/22 23:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130			12/07/22 12:05	12/09/22 23:20	1
o-Terphenyl (Surr)	122		70 - 130			12/07/22 12:05	12/09/22 23:20	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	155	+	5.02	mg/Kg			12/09/22 16:29	1

Client Sample ID: S-2, 0.5-1

Lab Sample ID: 880-22230-4

Date Collected: 12/01/22 11:45

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/14/22 20:39	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/14/22 20:39	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/14/22 20:39	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/12/22 15:46	12/14/22 20:39	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/14/22 20:39	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/12/22 15:46	12/14/22 20:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130			12/12/22 15:46	12/14/22 20:39	1
1,4-Difluorobenzene (Surr)	104		70 - 130			12/12/22 15:46	12/14/22 20:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/12/22 10:49	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/09/22 23:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/09/22 23:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/09/22 23:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130			12/07/22 12:05	12/09/22 23:42	1
o-Terphenyl (Surr)	127		70 - 130			12/07/22 12:05	12/09/22 23:42	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	187	+	5.03	mg/Kg			12/09/22 16:35	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-3, 0-0.5

Lab Sample ID: 880-22230-5

Date Collected: 12/01/22 11:48

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/14/22 21:00	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/14/22 21:00	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/14/22 21:00	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/12/22 15:46	12/14/22 21:00	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/14/22 21:00	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/12/22 15:46	12/14/22 21:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	12/12/22 15:46	12/14/22 21:00	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/12/22 15:46	12/14/22 21:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/12/22 10:49	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/10/22 00:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/10/22 00:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/10/22 00:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	128		70 - 130	12/07/22 12:05	12/10/22 00:03	1
o-Terphenyl (Surr)	138	S1+	70 - 130	12/07/22 12:05	12/10/22 00:03	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	277	+	5.01	mg/Kg			12/09/22 16:41	1

Client Sample ID: S-3, 0.5-1

Lab Sample ID: 880-22230-6

Date Collected: 12/01/22 11:49

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/14/22 21:21	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/14/22 21:21	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/14/22 21:21	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/12/22 15:46	12/14/22 21:21	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/14/22 21:21	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/12/22 15:46	12/14/22 21:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	12/12/22 15:46	12/14/22 21:21	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/12/22 15:46	12/14/22 21:21	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-3, 0.5-1

Lab Sample ID: 880-22230-6

Date Collected: 12/01/22 11:49

Matrix: Solid

Date Received: 12/02/22 14:53

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/12/22 10:49	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/10/22 00:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/10/22 00:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/10/22 00:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130			12/07/22 12:05	12/10/22 00:25	1
o-Terphenyl (Surr)	137	S1+	70 - 130			12/07/22 12:05	12/10/22 00:25	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	299	+	5.00	mg/Kg			12/09/22 17:00	1

Client Sample ID: S-4, 0-0.5

Lab Sample ID: 880-22230-7

Date Collected: 12/01/22 11:50

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/14/22 21:41	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/14/22 21:41	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/14/22 21:41	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/12/22 15:46	12/14/22 21:41	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/14/22 21:41	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/12/22 15:46	12/14/22 21:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130			12/12/22 15:46	12/14/22 21:41	1
1,4-Difluorobenzene (Surr)	107		70 - 130			12/12/22 15:46	12/14/22 21:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			12/12/22 10:49	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		12/07/22 12:05	12/10/22 00:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		12/07/22 12:05	12/10/22 00:46	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-4, 0-0.5

Lab Sample ID: 880-22230-7

Date Collected: 12/01/22 11:50

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		12/07/22 12:05	12/10/22 00:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	123		70 - 130			12/07/22 12:05	12/10/22 00:46	1
o-Terphenyl (Surr)	133	S1+	70 - 130			12/07/22 12:05	12/10/22 00:46	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1650	++	24.9	mg/Kg			12/09/22 17:06	5

Client Sample ID: S-4, 0.5-1

Lab Sample ID: 880-22230-8

Date Collected: 12/01/22 11:51

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/14/22 22:02	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/14/22 22:02	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/14/22 22:02	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/12/22 15:46	12/14/22 22:02	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/14/22 22:02	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/12/22 15:46	12/14/22 22:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130			12/12/22 15:46	12/14/22 22:02	1
1,4-Difluorobenzene (Surr)	122		70 - 130			12/12/22 15:46	12/14/22 22:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/12/22 10:49	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 01:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 01:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 01:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	141	S1+	70 - 130			12/07/22 12:05	12/10/22 01:08	1
o-Terphenyl (Surr)	143	S1+	70 - 130			12/07/22 12:05	12/10/22 01:08	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4210	++	24.8	mg/Kg			12/09/22 17:25	5

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-5, 0-0.5

Lab Sample ID: 880-22230-9

Date Collected: 12/01/22 11:53

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/14/22 22:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/14/22 22:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/14/22 22:22	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/12/22 15:46	12/14/22 22:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/14/22 22:22	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/12/22 15:46	12/14/22 22:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	12/12/22 15:46	12/14/22 22:22	1
1,4-Difluorobenzene (Surr)	114		70 - 130	12/12/22 15:46	12/14/22 22:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/12/22 10:49	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 01:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 01:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 01:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	127		70 - 130	12/07/22 12:05	12/10/22 01:29	1
o-Terphenyl (Surr)	118		70 - 130	12/07/22 12:05	12/10/22 01:29	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	261	++	5.04	mg/Kg			12/09/22 17:31	1

Client Sample ID: S-5, 0.5-1

Lab Sample ID: 880-22230-10

Date Collected: 12/01/22 11:54

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		12/12/22 15:46	12/14/22 22:42	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/12/22 15:46	12/14/22 22:42	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/12/22 15:46	12/14/22 22:42	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/12/22 15:46	12/14/22 22:42	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/12/22 15:46	12/14/22 22:42	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/12/22 15:46	12/14/22 22:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	63	S1-	70 - 130	12/12/22 15:46	12/14/22 22:42	1
1,4-Difluorobenzene (Surr)	106		70 - 130	12/12/22 15:46	12/14/22 22:42	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-5, 0.5-1

Lab Sample ID: 880-22230-10

Date Collected: 12/01/22 11:54

Matrix: Solid

Date Received: 12/02/22 14:53

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/12/22 10:49	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 01:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 01:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 01:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	135	S1+	70 - 130			12/07/22 12:05	12/10/22 01:51	1
o-Terphenyl (Surr)	125		70 - 130			12/07/22 12:05	12/10/22 01:51	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	833	*+	4.97	mg/Kg			12/09/22 17:37	1

Client Sample ID: S-6, 0-0.5

Lab Sample ID: 880-22230-11

Date Collected: 12/01/22 11:57

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		12/12/22 15:46	12/15/22 00:32	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/12/22 15:46	12/15/22 00:32	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/12/22 15:46	12/15/22 00:32	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		12/12/22 15:46	12/15/22 00:32	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/12/22 15:46	12/15/22 00:32	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		12/12/22 15:46	12/15/22 00:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130			12/12/22 15:46	12/15/22 00:32	1
1,4-Difluorobenzene (Surr)	95		70 - 130			12/12/22 15:46	12/15/22 00:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/12/22 10:49	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 02:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 02:34	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-6, 0-0.5

Lab Sample ID: 880-22230-11

Date Collected: 12/01/22 11:57

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 02:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	127		70 - 130			12/07/22 12:05	12/10/22 02:34	1
o-Terphenyl (Surr)	137	S1+	70 - 130			12/07/22 12:05	12/10/22 02:34	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1070	++	4.96	mg/Kg			12/09/22 17:43	1

Client Sample ID: S-6, 0.5-1

Lab Sample ID: 880-22230-12

Date Collected: 12/01/22 11:59

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/15/22 00:53	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/15/22 00:53	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/15/22 00:53	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/12/22 15:46	12/15/22 00:53	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/15/22 00:53	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/12/22 15:46	12/15/22 00:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130			12/12/22 15:46	12/15/22 00:53	1
1,4-Difluorobenzene (Surr)	107		70 - 130			12/12/22 15:46	12/15/22 00:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/12/22 10:49	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 02:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 02:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 02:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	140	S1+	70 - 130			12/07/22 12:05	12/10/22 02:56	1
o-Terphenyl (Surr)	144	S1+	70 - 130			12/07/22 12:05	12/10/22 02:56	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270	++	5.00	mg/Kg			12/09/22 17:49	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-7, 0-0.5

Lab Sample ID: 880-22230-13

Date Collected: 12/01/22 12:03

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/15/22 01:13	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/15/22 01:13	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/15/22 01:13	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/12/22 15:46	12/15/22 01:13	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/15/22 01:13	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/12/22 15:46	12/15/22 01:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	12/12/22 15:46	12/15/22 01:13	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/12/22 15:46	12/15/22 01:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/12/22 10:49	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 03:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 03:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 03:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	132	S1+	70 - 130	12/07/22 12:05	12/10/22 03:17	1
o-Terphenyl (Surr)	139	S1+	70 - 130	12/07/22 12:05	12/10/22 03:17	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.5	++	4.99	mg/Kg			12/09/22 17:55	1

Client Sample ID: S-7, 0.5-1

Lab Sample ID: 880-22230-14

Date Collected: 12/01/22 12:04

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/15/22 01:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/15/22 01:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/15/22 01:34	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/12/22 15:46	12/15/22 01:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/15/22 01:34	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/12/22 15:46	12/15/22 01:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	12/12/22 15:46	12/15/22 01:34	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/12/22 15:46	12/15/22 01:34	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-7, 0.5-1

Lab Sample ID: 880-22230-14

Date Collected: 12/01/22 12:04

Matrix: Solid

Date Received: 12/02/22 14:53

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/12/22 10:49	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/10/22 03:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/10/22 03:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/10/22 03:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	122		70 - 130			12/07/22 12:05	12/10/22 03:39	1
o-Terphenyl (Surr)	124		70 - 130			12/07/22 12:05	12/10/22 03:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.3	+	4.98	mg/Kg			12/09/22 18:02	1

Client Sample ID: S-8, 0-0.5

Lab Sample ID: 880-22230-15

Date Collected: 12/01/22 12:07

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/15/22 01:54	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/15/22 01:54	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/15/22 01:54	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/12/22 15:46	12/15/22 01:54	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/15/22 01:54	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/12/22 15:46	12/15/22 01:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130			12/12/22 15:46	12/15/22 01:54	1
1,4-Difluorobenzene (Surr)	106		70 - 130			12/12/22 15:46	12/15/22 01:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/12/22 10:49	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 04:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 04:00	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-8, 0-0.5

Lab Sample ID: 880-22230-15

Date Collected: 12/01/22 12:07

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 04:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	118		70 - 130			12/07/22 12:05	12/10/22 04:00	1
o-Terphenyl (Surr)	124		70 - 130			12/07/22 12:05	12/10/22 04:00	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	947	F1	4.98	mg/Kg			12/08/22 03:14	1

Client Sample ID: S-8, 0.5-1

Lab Sample ID: 880-22230-16

Date Collected: 12/01/22 12:09

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/15/22 02:15	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/15/22 02:15	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/15/22 02:15	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/12/22 15:46	12/15/22 02:15	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/15/22 02:15	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/12/22 15:46	12/15/22 02:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			12/12/22 15:46	12/15/22 02:15	1
1,4-Difluorobenzene (Surr)	107		70 - 130			12/12/22 15:46	12/15/22 02:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/12/22 10:49	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/10/22 04:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/10/22 04:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/10/22 04:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	129		70 - 130			12/07/22 12:05	12/10/22 04:22	1
o-Terphenyl (Surr)	135	S1+	70 - 130			12/07/22 12:05	12/10/22 04:22	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	467		4.99	mg/Kg			12/08/22 03:39	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-9, 0-0.5

Lab Sample ID: 880-22230-17

Date Collected: 12/01/22 12:13

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/15/22 02:35	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/15/22 02:35	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/15/22 02:35	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/12/22 15:46	12/15/22 02:35	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/15/22 02:35	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/12/22 15:46	12/15/22 02:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	12/12/22 15:46	12/15/22 02:35	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/12/22 15:46	12/15/22 02:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/12/22 10:49	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/10/22 04:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/10/22 04:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/10/22 04:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	136	S1+	70 - 130	12/07/22 12:05	12/10/22 04:44	1
o-Terphenyl (Surr)	134	S1+	70 - 130	12/07/22 12:05	12/10/22 04:44	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	361		4.97	mg/Kg			12/08/22 03:47	1

Client Sample ID: S-9, 0.5-1

Lab Sample ID: 880-22230-18

Date Collected: 12/01/22 12:15

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/15/22 02:55	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/15/22 02:55	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/15/22 02:55	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/12/22 15:46	12/15/22 02:55	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/15/22 02:55	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/12/22 15:46	12/15/22 02:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	12/12/22 15:46	12/15/22 02:55	1
1,4-Difluorobenzene (Surr)	110		70 - 130	12/12/22 15:46	12/15/22 02:55	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-9, 0.5-1

Lab Sample ID: 880-22230-18

Date Collected: 12/01/22 12:15

Matrix: Solid

Date Received: 12/02/22 14:53

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/12/22 10:49	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 05:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 05:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 05:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	123		70 - 130			12/07/22 12:05	12/10/22 05:05	1
o-Terphenyl (Surr)	120		70 - 130			12/07/22 12:05	12/10/22 05:05	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1060		5.02	mg/Kg			12/08/22 03:55	1

Client Sample ID: S-10, 0-0.5

Lab Sample ID: 880-22230-19

Date Collected: 12/01/22 12:16

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/15/22 03:16	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/15/22 03:16	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/15/22 03:16	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/12/22 15:46	12/15/22 03:16	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/15/22 03:16	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/12/22 15:46	12/15/22 03:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130			12/12/22 15:46	12/15/22 03:16	1
1,4-Difluorobenzene (Surr)	101		70 - 130			12/12/22 15:46	12/15/22 03:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/12/22 10:49	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/10/22 05:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/10/22 05:27	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-10, 0-0.5

Lab Sample ID: 880-22230-19

Date Collected: 12/01/22 12:16

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/10/22 05:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	133	S1+	70 - 130			12/07/22 12:05	12/10/22 05:27	1
o-Terphenyl (Surr)	135	S1+	70 - 130			12/07/22 12:05	12/10/22 05:27	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	982		5.01	mg/Kg			12/08/22 04:03	1

Client Sample ID: S-10, 0.5-1

Lab Sample ID: 880-22230-20

Date Collected: 12/01/22 12:18

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/15/22 03:36	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/15/22 03:36	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/15/22 03:36	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/12/22 15:46	12/15/22 03:36	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/12/22 15:46	12/15/22 03:36	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/12/22 15:46	12/15/22 03:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130			12/12/22 15:46	12/15/22 03:36	1
1,4-Difluorobenzene (Surr)	120		70 - 130			12/12/22 15:46	12/15/22 03:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/12/22 10:49	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 05:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 05:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/07/22 12:05	12/10/22 05:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	128		70 - 130			12/07/22 12:05	12/10/22 05:48	1
o-Terphenyl (Surr)	128		70 - 130			12/07/22 12:05	12/10/22 05:48	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	620		4.98	mg/Kg			12/08/22 04:27	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-11, 0-0.5

Lab Sample ID: 880-22230-21

Date Collected: 12/01/22 12:21

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U F2 F1	0.00202	mg/Kg		12/13/22 13:00	12/15/22 07:14	1
Toluene	<0.00202	U F2 F1	0.00202	mg/Kg		12/13/22 13:00	12/15/22 07:14	1
Ethylbenzene	<0.00202	U F2 F1	0.00202	mg/Kg		12/13/22 13:00	12/15/22 07:14	1
m,p-Xylenes	<0.00403	U F2 F1	0.00403	mg/Kg		12/13/22 13:00	12/15/22 07:14	1
o-Xylene	<0.00202	U F2 F1	0.00202	mg/Kg		12/13/22 13:00	12/15/22 07:14	1
Xylenes, Total	<0.00403	U F2 F1	0.00403	mg/Kg		12/13/22 13:00	12/15/22 07:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	12/13/22 13:00	12/15/22 07:14	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/13/22 13:00	12/15/22 07:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/12/22 09:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/07/22 15:26	12/09/22 23:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/07/22 15:26	12/09/22 23:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/07/22 15:26	12/09/22 23:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130	12/07/22 15:26	12/09/22 23:42	1
o-Terphenyl (Surr)	119		70 - 130	12/07/22 15:26	12/09/22 23:42	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	823		5.04	mg/Kg			12/08/22 04:36	1

Client Sample ID: S-11, 0.5-1

Lab Sample ID: 880-22230-22

Date Collected: 12/01/22 12:22

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 07:35	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 07:35	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 07:35	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/13/22 13:00	12/15/22 07:35	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 07:35	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/13/22 13:00	12/15/22 07:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	12/13/22 13:00	12/15/22 07:35	1
1,4-Difluorobenzene (Surr)	115		70 - 130	12/13/22 13:00	12/15/22 07:35	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-11, 0.5-1

Lab Sample ID: 880-22230-22

Date Collected: 12/01/22 12:22

Matrix: Solid

Date Received: 12/02/22 14:53

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/12/22 09:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/07/22 15:26	12/10/22 00:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/07/22 15:26	12/10/22 00:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/07/22 15:26	12/10/22 00:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130			12/07/22 15:26	12/10/22 00:02	1
o-Terphenyl (Surr)	119		70 - 130			12/07/22 15:26	12/10/22 00:02	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	900		5.05	mg/Kg			12/08/22 04:44	1

Client Sample ID: S-12, 0-0.5

Lab Sample ID: 880-22230-23

Date Collected: 12/01/22 12:27

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:00	12/15/22 07:55	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:00	12/15/22 07:55	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:00	12/15/22 07:55	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/13/22 13:00	12/15/22 07:55	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:00	12/15/22 07:55	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/13/22 13:00	12/15/22 07:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			12/13/22 13:00	12/15/22 07:55	1
1,4-Difluorobenzene (Surr)	99		70 - 130			12/13/22 13:00	12/15/22 07:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			12/12/22 09:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		12/07/22 15:26	12/10/22 00:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		12/07/22 15:26	12/10/22 00:23	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-12, 0-0.5

Lab Sample ID: 880-22230-23

Date Collected: 12/01/22 12:27

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		12/07/22 15:26	12/10/22 00:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130			12/07/22 15:26	12/10/22 00:23	1
o-Terphenyl (Surr)	114		70 - 130			12/07/22 15:26	12/10/22 00:23	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	926		5.00	mg/Kg			12/08/22 04:52	1

Client Sample ID: S-12, 0.5-1

Lab Sample ID: 880-22230-24

Date Collected: 12/01/22 12:28

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		12/13/22 13:00	12/15/22 08:16	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/13/22 13:00	12/15/22 08:16	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/13/22 13:00	12/15/22 08:16	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/13/22 13:00	12/15/22 08:16	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/13/22 13:00	12/15/22 08:16	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/13/22 13:00	12/15/22 08:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			12/13/22 13:00	12/15/22 08:16	1
1,4-Difluorobenzene (Surr)	103		70 - 130			12/13/22 13:00	12/15/22 08:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/12/22 09:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/07/22 15:26	12/10/22 00:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/07/22 15:26	12/10/22 00:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/07/22 15:26	12/10/22 00:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130			12/07/22 15:26	12/10/22 00:43	1
o-Terphenyl (Surr)	119		70 - 130			12/07/22 15:26	12/10/22 00:43	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.5		4.98	mg/Kg			12/08/22 05:00	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-13, 0-0.5

Lab Sample ID: 880-22230-25

Date Collected: 12/01/22 12:30

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 08:36	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 08:36	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 08:36	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/13/22 13:00	12/15/22 08:36	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 08:36	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/13/22 13:00	12/15/22 08:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	12/13/22 13:00	12/15/22 08:36	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/13/22 13:00	12/15/22 08:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/12/22 09:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/07/22 15:26	12/10/22 01:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/07/22 15:26	12/10/22 01:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/07/22 15:26	12/10/22 01:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130	12/07/22 15:26	12/10/22 01:03	1
o-Terphenyl (Surr)	111		70 - 130	12/07/22 15:26	12/10/22 01:03	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	978		4.96	mg/Kg			12/08/22 05:08	1

Client Sample ID: S-13, 0.5-1

Lab Sample ID: 880-22230-26

Date Collected: 12/01/22 12:33

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 08:57	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 08:57	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 08:57	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/13/22 13:00	12/15/22 08:57	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 08:57	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/13/22 13:00	12/15/22 08:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	12/13/22 13:00	12/15/22 08:57	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/13/22 13:00	12/15/22 08:57	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-13, 0.5-1

Lab Sample ID: 880-22230-26

Date Collected: 12/01/22 12:33

Matrix: Solid

Date Received: 12/02/22 14:53

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/12/22 09:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/07/22 15:26	12/10/22 01:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/07/22 15:26	12/10/22 01:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/07/22 15:26	12/10/22 01:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130			12/07/22 15:26	12/10/22 01:23	1
o-Terphenyl (Surr)	130		70 - 130			12/07/22 15:26	12/10/22 01:23	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		5.03	mg/Kg			12/08/22 05:33	1

Client Sample ID: S-14, 0-0.5

Lab Sample ID: 880-22230-27

Date Collected: 12/01/22 12:35

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		12/13/22 13:00	12/15/22 09:17	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/13/22 13:00	12/15/22 09:17	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/13/22 13:00	12/15/22 09:17	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/13/22 13:00	12/15/22 09:17	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/13/22 13:00	12/15/22 09:17	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/13/22 13:00	12/15/22 09:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130			12/13/22 13:00	12/15/22 09:17	1
1,4-Difluorobenzene (Surr)	103		70 - 130			12/13/22 13:00	12/15/22 09:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/12/22 09:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/07/22 15:26	12/10/22 02:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/07/22 15:26	12/10/22 02:04	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-14, 0-0.5

Lab Sample ID: 880-22230-27

Date Collected: 12/01/22 12:35

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/07/22 15:26	12/10/22 02:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130			12/07/22 15:26	12/10/22 02:04	1
o-Terphenyl (Surr)	118		70 - 130			12/07/22 15:26	12/10/22 02:04	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	982		5.02	mg/Kg			12/08/22 05:41	1

Client Sample ID: S-14, 0.5-1

Lab Sample ID: 880-22230-28

Date Collected: 12/01/22 12:37

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		12/13/22 13:00	12/15/22 09:38	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/13/22 13:00	12/15/22 09:38	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/13/22 13:00	12/15/22 09:38	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		12/13/22 13:00	12/15/22 09:38	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/13/22 13:00	12/15/22 09:38	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		12/13/22 13:00	12/15/22 09:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130			12/13/22 13:00	12/15/22 09:38	1
1,4-Difluorobenzene (Surr)	109		70 - 130			12/13/22 13:00	12/15/22 09:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/12/22 09:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/07/22 15:26	12/10/22 02:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/07/22 15:26	12/10/22 02:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/07/22 15:26	12/10/22 02:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130			12/07/22 15:26	12/10/22 02:24	1
o-Terphenyl (Surr)	120		70 - 130			12/07/22 15:26	12/10/22 02:24	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.1		4.98	mg/Kg			12/08/22 06:05	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: North 0-0.5

Lab Sample ID: 880-22230-29

Date Collected: 12/01/22 12:39

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:00	12/15/22 09:58	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:00	12/15/22 09:58	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:00	12/15/22 09:58	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/13/22 13:00	12/15/22 09:58	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:00	12/15/22 09:58	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/13/22 13:00	12/15/22 09:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	12/13/22 13:00	12/15/22 09:58	1
1,4-Difluorobenzene (Surr)	106		70 - 130	12/13/22 13:00	12/15/22 09:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/12/22 09:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/07/22 15:26	12/10/22 02:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/07/22 15:26	12/10/22 02:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/07/22 15:26	12/10/22 02:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	123		70 - 130	12/07/22 15:26	12/10/22 02:45	1
o-Terphenyl (Surr)	127		70 - 130	12/07/22 15:26	12/10/22 02:45	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.8		5.04	mg/Kg			12/08/22 06:13	1

Client Sample ID: North 0.5-1

Lab Sample ID: 880-22230-30

Date Collected: 12/01/22 12:41

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 10:18	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 10:18	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 10:18	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/13/22 13:00	12/15/22 10:18	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 10:18	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/13/22 13:00	12/15/22 10:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	12/13/22 13:00	12/15/22 10:18	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/13/22 13:00	12/15/22 10:18	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: North 0.5-1

Lab Sample ID: 880-22230-30

Date Collected: 12/01/22 12:41

Matrix: Solid

Date Received: 12/02/22 14:53

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			12/15/22 12:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/12/22 09:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/07/22 15:26	12/10/22 03:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/07/22 15:26	12/10/22 03:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/07/22 15:26	12/10/22 03:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	136	S1+	70 - 130			12/07/22 15:26	12/10/22 03:05	1
o-Terphenyl (Surr)	139	S1+	70 - 130			12/07/22 15:26	12/10/22 03:05	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.5		5.00	mg/Kg			12/08/22 06:21	1

Client Sample ID: South 0-0.5

Lab Sample ID: 880-22230-31

Date Collected: 12/01/22 12:44

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:00	12/15/22 12:09	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:00	12/15/22 12:09	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:00	12/15/22 12:09	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/13/22 13:00	12/15/22 12:09	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:00	12/15/22 12:09	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/13/22 13:00	12/15/22 12:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130			12/13/22 13:00	12/15/22 12:09	1
1,4-Difluorobenzene (Surr)	107		70 - 130			12/13/22 13:00	12/15/22 12:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/15/22 15:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/12/22 09:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/07/22 15:26	12/10/22 03:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/07/22 15:26	12/10/22 03:25	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: South 0-0.5

Lab Sample ID: 880-22230-31

Date Collected: 12/01/22 12:44

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/07/22 15:26	12/10/22 03:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130			12/07/22 15:26	12/10/22 03:25	1
o-Terphenyl (Surr)	119		70 - 130			12/07/22 15:26	12/10/22 03:25	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.1		4.97	mg/Kg			12/08/22 06:30	1

Client Sample ID: South 0.5-1

Lab Sample ID: 880-22230-32

Date Collected: 12/01/22 12:45

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 12:29	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 12:29	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 12:29	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/13/22 13:00	12/15/22 12:29	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 12:29	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/13/22 13:00	12/15/22 12:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			12/13/22 13:00	12/15/22 12:29	1
1,4-Difluorobenzene (Surr)	106		70 - 130			12/13/22 13:00	12/15/22 12:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			12/15/22 15:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/12/22 09:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/07/22 15:26	12/10/22 03:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/07/22 15:26	12/10/22 03:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/07/22 15:26	12/10/22 03:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130			12/07/22 15:26	12/10/22 03:45	1
o-Terphenyl (Surr)	124		70 - 130			12/07/22 15:26	12/10/22 03:45	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.3		4.95	mg/Kg			12/08/22 06:38	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: West 0-0.5

Lab Sample ID: 880-22230-33

Date Collected: 12/01/22 12:47

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		12/13/22 13:00	12/15/22 12:50	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/13/22 13:00	12/15/22 12:50	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/13/22 13:00	12/15/22 12:50	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/13/22 13:00	12/15/22 12:50	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/13/22 13:00	12/15/22 12:50	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/13/22 13:00	12/15/22 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	12/13/22 13:00	12/15/22 12:50	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/13/22 13:00	12/15/22 12:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/15/22 15:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/12/22 09:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/07/22 15:26	12/10/22 04:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/07/22 15:26	12/10/22 04:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/07/22 15:26	12/10/22 04:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130	12/07/22 15:26	12/10/22 04:05	1
o-Terphenyl (Surr)	126		70 - 130	12/07/22 15:26	12/10/22 04:05	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.2		4.97	mg/Kg			12/08/22 06:46	1

Client Sample ID: West 0.5-1

Lab Sample ID: 880-22230-34

Date Collected: 12/01/22 12:50

Matrix: Solid

Date Received: 12/02/22 14:53

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 13:10	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 13:10	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 13:10	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/13/22 13:00	12/15/22 13:10	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 13:10	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/13/22 13:00	12/15/22 13:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	12/13/22 13:00	12/15/22 13:10	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/13/22 13:00	12/15/22 13:10	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: West 0.5-1

Lab Sample ID: 880-22230-34

Date Collected: 12/01/22 12:50

Matrix: Solid

Date Received: 12/02/22 14:53

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			12/15/22 15:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/12/22 09:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/07/22 15:26	12/10/22 04:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/07/22 15:26	12/10/22 04:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/07/22 15:26	12/10/22 04:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	126		70 - 130			12/07/22 15:26	12/10/22 04:25	1
o-Terphenyl (Surr)	133	S1+	70 - 130			12/07/22 15:26	12/10/22 04:25	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.7		5.01	mg/Kg			12/08/22 06:54	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-22230-1	S-1, 0-0.5	109	102
880-22230-1 MS	S-1, 0-0.5	70	112
880-22230-1 MSD	S-1, 0-0.5	83	112
880-22230-2	S-1, 0.5-1	109	109
880-22230-3	S-2, 0-0.5	123	96
880-22230-4	S-2, 0.5-1	122	104
880-22230-5	S-3, 0-0.5	114	107
880-22230-6	S-3, 0.5-1	74	101
880-22230-7	S-4, 0-0.5	123	107
880-22230-8	S-4, 0.5-1	89	122
880-22230-9	S-5, 0-0.5	87	114
880-22230-10	S-5, 0.5-1	63 S1-	106
880-22230-11	S-6, 0-0.5	126	95
880-22230-12	S-6, 0.5-1	82	107
880-22230-13	S-7, 0-0.5	116	105
880-22230-14	S-7, 0.5-1	94	102
880-22230-15	S-8, 0-0.5	117	106
880-22230-16	S-8, 0.5-1	116	107
880-22230-17	S-9, 0-0.5	108	111
880-22230-18	S-9, 0.5-1	95	110
880-22230-19	S-10, 0-0.5	73	101
880-22230-20	S-10, 0.5-1	82	120
880-22230-21	S-11, 0-0.5	109	97
880-22230-21 MS	S-11, 0-0.5	69 S1-	101
880-22230-21 MSD	S-11, 0-0.5	113	96
880-22230-22	S-11, 0.5-1	113	115
880-22230-23	S-12, 0-0.5	112	99
880-22230-24	S-12, 0.5-1	114	103
880-22230-25	S-13, 0-0.5	100	107
880-22230-26	S-13, 0.5-1	93	101
880-22230-27	S-14, 0-0.5	127	103
880-22230-28	S-14, 0.5-1	84	109
880-22230-29	North 0-0.5	95	106
880-22230-30	North 0.5-1	79	103
880-22230-31	South 0-0.5	70	107
880-22230-32	South 0.5-1	110	106
880-22230-33	West 0-0.5	111	102
880-22230-34	West 0.5-1	118	103
LCS 880-41667/1-A	Lab Control Sample	72	120
LCS 880-41753/1-A	Lab Control Sample	118	98
LCSD 880-41667/2-A	Lab Control Sample Dup	95	141 S1+
LCSD 880-41753/2-A	Lab Control Sample Dup	105	98
MB 880-41667/5-A	Method Blank	59 S1-	109
MB 880-41753/5-A	Method Blank	57 S1-	110

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-22230-1	S-1, 0-0.5	117	125
880-22230-1 MS	S-1, 0-0.5	118	115
880-22230-1 MSD	S-1, 0-0.5	117	106
880-22230-2	S-1, 0.5-1	122	132 S1+
880-22230-3	S-2, 0-0.5	116	122
880-22230-4	S-2, 0.5-1	119	127
880-22230-5	S-3, 0-0.5	128	138 S1+
880-22230-6	S-3, 0.5-1	125	137 S1+
880-22230-7	S-4, 0-0.5	123	133 S1+
880-22230-8	S-4, 0.5-1	141 S1+	143 S1+
880-22230-9	S-5, 0-0.5	127	118
880-22230-10	S-5, 0.5-1	135 S1+	125
880-22230-11	S-6, 0-0.5	127	137 S1+
880-22230-12	S-6, 0.5-1	140 S1+	144 S1+
880-22230-13	S-7, 0-0.5	132 S1+	139 S1+
880-22230-14	S-7, 0.5-1	122	124
880-22230-15	S-8, 0-0.5	118	124
880-22230-16	S-8, 0.5-1	129	135 S1+
880-22230-17	S-9, 0-0.5	136 S1+	134 S1+
880-22230-18	S-9, 0.5-1	123	120
880-22230-19	S-10, 0-0.5	133 S1+	135 S1+
880-22230-20	S-10, 0.5-1	128	128
880-22230-21	S-11, 0-0.5	116	119
880-22230-22	S-11, 0.5-1	114	119
880-22230-23	S-12, 0-0.5	111	114
880-22230-24	S-12, 0.5-1	114	119
880-22230-25	S-13, 0-0.5	108	111
880-22230-26	S-13, 0.5-1	125	130
880-22230-27	S-14, 0-0.5	115	118
880-22230-28	S-14, 0.5-1	117	120
880-22230-29	North 0-0.5	123	127
880-22230-30	North 0.5-1	136 S1+	139 S1+
880-22230-31	South 0-0.5	117	119
880-22230-32	South 0.5-1	121	124
880-22230-33	West 0-0.5	121	126
880-22230-34	West 0.5-1	126	133 S1+
LCS 880-41279/2-A	Lab Control Sample	127	125
LCS 880-41296/2-A	Lab Control Sample	98	99
LCSD 880-41279/3-A	Lab Control Sample Dup	137 S1+	144 S1+
LCSD 880-41296/3-A	Lab Control Sample Dup	91	92
MB 880-41279/1-A	Method Blank	111	157 S1+
MB 880-41296/1-A	Method Blank	105	143 S1+

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-41667/5-A

Matrix: Solid

Analysis Batch: 41835

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41667

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/14/22 19:09	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/14/22 19:09	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/14/22 19:09	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/12/22 15:46	12/14/22 19:09	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/14/22 19:09	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/12/22 15:46	12/14/22 19:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	59	S1-	70 - 130	12/12/22 15:46	12/14/22 19:09	1
1,4-Difluorobenzene (Surr)	109		70 - 130	12/12/22 15:46	12/14/22 19:09	1

Lab Sample ID: LCS 880-41667/1-A

Matrix: Solid

Analysis Batch: 41835

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41667

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1124		mg/Kg		112	70 - 130
Toluene	0.100	0.08771		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.07611		mg/Kg		76	70 - 130
m,p-Xylenes	0.200	0.1418		mg/Kg		71	70 - 130
o-Xylene	0.100	0.07008		mg/Kg		70	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	72		70 - 130
1,4-Difluorobenzene (Surr)	120		70 - 130

Lab Sample ID: LCSD 880-41667/2-A

Matrix: Solid

Analysis Batch: 41835

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41667

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1192		mg/Kg		119	70 - 130	6	35
Toluene	0.100	0.09156		mg/Kg		92	70 - 130	4	35
Ethylbenzene	0.100	0.08590		mg/Kg		86	70 - 130	12	35
m,p-Xylenes	0.200	0.1775		mg/Kg		89	70 - 130	22	35
o-Xylene	0.100	0.07115		mg/Kg		71	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	141	S1+	70 - 130

Lab Sample ID: 880-22230-1 MS

Matrix: Solid

Analysis Batch: 41835

Client Sample ID: S-1, 0-0.5

Prep Type: Total/NA

Prep Batch: 41667

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0998	0.07618		mg/Kg		76	70 - 130
Toluene	<0.00199	U F1	0.0998	0.05509	F1	mg/Kg		55	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-22230-1 MS

Matrix: Solid

Analysis Batch: 41835

Client Sample ID: S-1, 0-0.5

Prep Type: Total/NA

Prep Batch: 41667

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U F1	0.0998	0.04717	F1	mg/Kg		47	70 - 130
m,p-Xylenes	<0.00398	U F1	0.200	0.08954	F1	mg/Kg		45	70 - 130
o-Xylene	<0.00199	U F1	0.0998	0.04500	F1	mg/Kg		44	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	70		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-22230-1 MSD

Matrix: Solid

Analysis Batch: 41835

Client Sample ID: S-1, 0-0.5

Prep Type: Total/NA

Prep Batch: 41667

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.07702		mg/Kg		77	70 - 130	1	35
Toluene	<0.00199	U F1	0.100	0.06397	F1	mg/Kg		64	70 - 130	15	35
Ethylbenzene	<0.00199	U F1	0.100	0.05664	F1	mg/Kg		57	70 - 130	18	35
m,p-Xylenes	<0.00398	U F1	0.200	0.1128	F1	mg/Kg		56	70 - 130	23	35
o-Xylene	<0.00199	U F1	0.100	0.05613	F1	mg/Kg		55	70 - 130	22	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	83		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: MB 880-41753/5-A

Matrix: Solid

Analysis Batch: 41835

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41753

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 06:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 06:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 06:45	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/13/22 13:00	12/15/22 06:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 06:45	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/13/22 13:00	12/15/22 06:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	57	S1-	70 - 130	12/13/22 13:00	12/15/22 06:45	1
1,4-Difluorobenzene (Surr)	110		70 - 130	12/13/22 13:00	12/15/22 06:45	1

Lab Sample ID: LCS 880-41753/1-A

Matrix: Solid

Analysis Batch: 41835

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41753

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09661		mg/Kg		97	70 - 130
Toluene	0.100	0.1010		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.1039		mg/Kg		104	70 - 130
m,p-Xylenes	0.200	0.2298		mg/Kg		115	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-41753/1-A

Matrix: Solid

Analysis Batch: 41835

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41753

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1176		mg/Kg		118	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-41753/2-A

Matrix: Solid

Analysis Batch: 41835

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41753

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08563		mg/Kg		86	70 - 130	12	35
Toluene	0.100	0.08345		mg/Kg		83	70 - 130	19	35
Ethylbenzene	0.100	0.08697		mg/Kg		87	70 - 130	18	35
m,p-Xylenes	0.200	0.1905		mg/Kg		95	70 - 130	19	35
o-Xylene	0.100	0.09656		mg/Kg		97	70 - 130	20	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-22230-21 MS

Matrix: Solid

Analysis Batch: 41835

Client Sample ID: S-11, 0-0.5

Prep Type: Total/NA

Prep Batch: 41753

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F2 F1	0.0990	0.02547	F1	mg/Kg		26	70 - 130
Toluene	<0.00202	U F2 F1	0.0990	0.02146	F1	mg/Kg		22	70 - 130
Ethylbenzene	<0.00202	U F2 F1	0.0990	0.02407	F1	mg/Kg		24	70 - 130
m,p-Xylenes	<0.00403	U F2 F1	0.198	0.04406	F1	mg/Kg		22	70 - 130
o-Xylene	<0.00202	U F2 F1	0.0990	0.02443	F1	mg/Kg		24	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-22230-21 MSD

Matrix: Solid

Analysis Batch: 41835

Client Sample ID: S-11, 0-0.5

Prep Type: Total/NA

Prep Batch: 41753

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F2 F1	0.100	0.06843	F2 F1	mg/Kg		68	70 - 130	92	35
Toluene	<0.00202	U F2 F1	0.100	0.06860	F2 F1	mg/Kg		68	70 - 130	105	35
Ethylbenzene	<0.00202	U F2 F1	0.100	0.06860	F2 F1	mg/Kg		68	70 - 130	96	35
m,p-Xylenes	<0.00403	U F2 F1	0.200	0.1477	F2	mg/Kg		74	70 - 130	108	35
o-Xylene	<0.00202	U F2 F1	0.100	0.07496	F2	mg/Kg		74	70 - 130	102	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-22230-21 MSD

Matrix: Solid

Analysis Batch: 41835

Client Sample ID: S-11, 0-0.5

Prep Type: Total/NA

Prep Batch: 41753

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-41279/1-A

Matrix: Solid

Analysis Batch: 41411

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41279

	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/09/22 20:49	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/09/22 20:49	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/07/22 12:05	12/09/22 20:49	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil	Fac
1-Chlorooctane (Surr)	111		70 - 130			12/07/22 12:05	12/09/22 20:49	1	
o-Terphenyl (Surr)	157	S1+	70 - 130			12/07/22 12:05	12/09/22 20:49	1	

Lab Sample ID: LCS 880-41279/2-A

Matrix: Solid

Analysis Batch: 41411

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41279

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	920.5		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	920.3		mg/Kg		92	70 - 130		
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	127		70 - 130						
o-Terphenyl (Surr)	125		70 - 130						

Lab Sample ID: LCSD 880-41279/3-A

Matrix: Solid

Analysis Batch: 41411

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41279

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	913.2		mg/Kg		91	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	962.7		mg/Kg		96	70 - 130	5	20
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	137	S1+	70 - 130						
o-Terphenyl (Surr)	144	S1+	70 - 130						

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-22230-1 MS

Matrix: Solid

Analysis Batch: 41411

Client Sample ID: S-1, 0-0.5

Prep Type: Total/NA

Prep Batch: 41279

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	999	1217		mg/Kg		119	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1098		mg/Kg		110	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane (Surr)	118		70 - 130						
o-Terphenyl (Surr)	115		70 - 130						

Lab Sample ID: 880-22230-1 MSD

Matrix: Solid

Analysis Batch: 41411

Client Sample ID: S-1, 0-0.5

Prep Type: Total/NA

Prep Batch: 41279

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	997	894.9	F2	mg/Kg		87	70 - 130	31	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1010		mg/Kg		101	70 - 130	8	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	117		70 - 130								
o-Terphenyl (Surr)	106		70 - 130								

Lab Sample ID: MB 880-41296/1-A

Matrix: Solid

Analysis Batch: 41416

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41296

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/07/22 15:26	12/09/22 20:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/07/22 15:26	12/09/22 20:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/07/22 15:26	12/09/22 20:40	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130			12/07/22 15:26	12/09/22 20:40	1
o-Terphenyl (Surr)	143	S1+	70 - 130			12/07/22 15:26	12/09/22 20:40	1

Lab Sample ID: LCS 880-41296/2-A

Matrix: Solid

Analysis Batch: 41416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41296

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	886.7		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	910.5		mg/Kg		91	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-41296/2-A

Matrix: Solid

Analysis Batch: 41416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41296

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	98		70 - 130
o-Terphenyl (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-41296/3-A

Matrix: Solid

Analysis Batch: 41416

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41296

	Spike	LCSD	LCSD					%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Gasoline Range Organics (GRO)-C6-C10	1000	869.4		mg/Kg		87	70 - 130	2	20		
Diesel Range Organics (Over C10-C28)	1000	862.9		mg/Kg		86	70 - 130	5	20		

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	91		70 - 130
o-Terphenyl (Surr)	92		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-40976/1-A

Matrix: Solid

Analysis Batch: 41271

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	<5.00	U	5.00	mg/Kg			12/08/22 02:50	1		

Lab Sample ID: LCS 880-40976/2-A

Matrix: Solid

Analysis Batch: 41271

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	239.4		mg/Kg		96	90 - 110			

Lab Sample ID: LCSD 880-40976/3-A

Matrix: Solid

Analysis Batch: 41271

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

	Spike	LCSD	LCSD					%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Chloride	250	234.8		mg/Kg		94	90 - 110	2	20		

Lab Sample ID: 880-22230-15 MS

Matrix: Solid

Analysis Batch: 41271

Client Sample ID: S-8, 0-0.5

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS			%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	947	F1	249	1139	F1	mg/Kg		77	90 - 110	

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-22230-15 MSD

Matrix: Solid

Analysis Batch: 41271

Client Sample ID: S-8, 0-0.5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	947	F1	249	1108	F1	mg/Kg		64	90 - 110	3	20

Lab Sample ID: 880-22230-25 MS

Matrix: Solid

Analysis Batch: 41271

Client Sample ID: S-13, 0-0.5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	978		248	1202		mg/Kg		90	90 - 110		

Lab Sample ID: 880-22230-25 MSD

Matrix: Solid

Analysis Batch: 41271

Client Sample ID: S-13, 0-0.5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	978		248	1201		mg/Kg		90	90 - 110	0	20

Lab Sample ID: MB 880-40975/1-A

Matrix: Solid

Analysis Batch: 41275

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			12/09/22 14:57	1

Lab Sample ID: LCS 880-40975/2-A

Matrix: Solid

Analysis Batch: 41275

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	266.3		mg/Kg		107	90 - 110		

Lab Sample ID: LCSD 880-40975/3-A

Matrix: Solid

Analysis Batch: 41275

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	285.0	*+	mg/Kg		114	90 - 110	7	20

Lab Sample ID: 880-22230-5 MS

Matrix: Solid

Analysis Batch: 41275

Client Sample ID: S-3, 0-0.5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	277	*+	251	544.1		mg/Kg		107	90 - 110		

Lab Sample ID: 880-22230-5 MSD

Matrix: Solid

Analysis Batch: 41275

Client Sample ID: S-3, 0-0.5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	277	*+	251	544.1		mg/Kg		107	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

GC VOA

Prep Batch: 41667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22230-1	S-1, 0-0.5	Total/NA	Solid	5035	
880-22230-2	S-1, 0.5-1	Total/NA	Solid	5035	
880-22230-3	S-2, 0-0.5	Total/NA	Solid	5035	
880-22230-4	S-2, 0.5-1	Total/NA	Solid	5035	
880-22230-5	S-3, 0-0.5	Total/NA	Solid	5035	
880-22230-6	S-3, 0.5-1	Total/NA	Solid	5035	
880-22230-7	S-4, 0-0.5	Total/NA	Solid	5035	
880-22230-8	S-4, 0.5-1	Total/NA	Solid	5035	
880-22230-9	S-5, 0-0.5	Total/NA	Solid	5035	
880-22230-10	S-5, 0.5-1	Total/NA	Solid	5035	
880-22230-11	S-6, 0-0.5	Total/NA	Solid	5035	
880-22230-12	S-6, 0.5-1	Total/NA	Solid	5035	
880-22230-13	S-7, 0-0.5	Total/NA	Solid	5035	
880-22230-14	S-7, 0.5-1	Total/NA	Solid	5035	
880-22230-15	S-8, 0-0.5	Total/NA	Solid	5035	
880-22230-16	S-8, 0.5-1	Total/NA	Solid	5035	
880-22230-17	S-9, 0-0.5	Total/NA	Solid	5035	
880-22230-18	S-9, 0.5-1	Total/NA	Solid	5035	
880-22230-19	S-10, 0-0.5	Total/NA	Solid	5035	
880-22230-20	S-10, 0.5-1	Total/NA	Solid	5035	
MB 880-41667/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-41667/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-41667/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22230-1 MS	S-1, 0-0.5	Total/NA	Solid	5035	
880-22230-1 MSD	S-1, 0-0.5	Total/NA	Solid	5035	

Prep Batch: 41753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22230-21	S-11, 0-0.5	Total/NA	Solid	5035	
880-22230-22	S-11, 0.5-1	Total/NA	Solid	5035	
880-22230-23	S-12, 0-0.5	Total/NA	Solid	5035	
880-22230-24	S-12, 0.5-1	Total/NA	Solid	5035	
880-22230-25	S-13, 0-0.5	Total/NA	Solid	5035	
880-22230-26	S-13, 0.5-1	Total/NA	Solid	5035	
880-22230-27	S-14, 0-0.5	Total/NA	Solid	5035	
880-22230-28	S-14, 0.5-1	Total/NA	Solid	5035	
880-22230-29	North 0-0.5	Total/NA	Solid	5035	
880-22230-30	North 0.5-1	Total/NA	Solid	5035	
880-22230-31	South 0-0.5	Total/NA	Solid	5035	
880-22230-32	South 0.5-1	Total/NA	Solid	5035	
880-22230-33	West 0-0.5	Total/NA	Solid	5035	
880-22230-34	West 0.5-1	Total/NA	Solid	5035	
MB 880-41753/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-41753/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-41753/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22230-21 MS	S-11, 0-0.5	Total/NA	Solid	5035	
880-22230-21 MSD	S-11, 0-0.5	Total/NA	Solid	5035	

Analysis Batch: 41835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22230-1	S-1, 0-0.5	Total/NA	Solid	8021B	41667

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

GC VOA (Continued)

Analysis Batch: 41835 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22230-2	S-1, 0.5-1	Total/NA	Solid	8021B	41667
880-22230-3	S-2, 0-0.5	Total/NA	Solid	8021B	41667
880-22230-4	S-2, 0.5-1	Total/NA	Solid	8021B	41667
880-22230-5	S-3, 0-0.5	Total/NA	Solid	8021B	41667
880-22230-6	S-3, 0.5-1	Total/NA	Solid	8021B	41667
880-22230-7	S-4, 0-0.5	Total/NA	Solid	8021B	41667
880-22230-8	S-4, 0.5-1	Total/NA	Solid	8021B	41667
880-22230-9	S-5, 0-0.5	Total/NA	Solid	8021B	41667
880-22230-10	S-5, 0.5-1	Total/NA	Solid	8021B	41667
880-22230-11	S-6, 0-0.5	Total/NA	Solid	8021B	41667
880-22230-12	S-6, 0.5-1	Total/NA	Solid	8021B	41667
880-22230-13	S-7, 0-0.5	Total/NA	Solid	8021B	41667
880-22230-14	S-7, 0.5-1	Total/NA	Solid	8021B	41667
880-22230-15	S-8, 0-0.5	Total/NA	Solid	8021B	41667
880-22230-16	S-8, 0.5-1	Total/NA	Solid	8021B	41667
880-22230-17	S-9, 0-0.5	Total/NA	Solid	8021B	41667
880-22230-18	S-9, 0.5-1	Total/NA	Solid	8021B	41667
880-22230-19	S-10, 0-0.5	Total/NA	Solid	8021B	41667
880-22230-20	S-10, 0.5-1	Total/NA	Solid	8021B	41667
880-22230-21	S-11, 0-0.5	Total/NA	Solid	8021B	41753
880-22230-22	S-11, 0.5-1	Total/NA	Solid	8021B	41753
880-22230-23	S-12, 0-0.5	Total/NA	Solid	8021B	41753
880-22230-24	S-12, 0.5-1	Total/NA	Solid	8021B	41753
880-22230-25	S-13, 0-0.5	Total/NA	Solid	8021B	41753
880-22230-26	S-13, 0.5-1	Total/NA	Solid	8021B	41753
880-22230-27	S-14, 0-0.5	Total/NA	Solid	8021B	41753
880-22230-28	S-14, 0.5-1	Total/NA	Solid	8021B	41753
880-22230-29	North 0-0.5	Total/NA	Solid	8021B	41753
880-22230-30	North 0.5-1	Total/NA	Solid	8021B	41753
880-22230-31	South 0-0.5	Total/NA	Solid	8021B	41753
880-22230-32	South 0.5-1	Total/NA	Solid	8021B	41753
880-22230-33	West 0-0.5	Total/NA	Solid	8021B	41753
880-22230-34	West 0.5-1	Total/NA	Solid	8021B	41753
MB 880-41667/5-A	Method Blank	Total/NA	Solid	8021B	41667
MB 880-41753/5-A	Method Blank	Total/NA	Solid	8021B	41753
LCS 880-41667/1-A	Lab Control Sample	Total/NA	Solid	8021B	41667
LCS 880-41753/1-A	Lab Control Sample	Total/NA	Solid	8021B	41753
LCSD 880-41667/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	41667
LCSD 880-41753/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	41753
880-22230-1 MS	S-1, 0-0.5	Total/NA	Solid	8021B	41667
880-22230-1 MSD	S-1, 0-0.5	Total/NA	Solid	8021B	41667
880-22230-21 MS	S-11, 0-0.5	Total/NA	Solid	8021B	41753
880-22230-21 MSD	S-11, 0-0.5	Total/NA	Solid	8021B	41753

Analysis Batch: 41919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22230-1	S-1, 0-0.5	Total/NA	Solid	Total BTEX	
880-22230-2	S-1, 0.5-1	Total/NA	Solid	Total BTEX	
880-22230-3	S-2, 0-0.5	Total/NA	Solid	Total BTEX	
880-22230-4	S-2, 0.5-1	Total/NA	Solid	Total BTEX	
880-22230-5	S-3, 0-0.5	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

GC VOA (Continued)

Analysis Batch: 41919 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22230-6	S-3, 0.5-1	Total/NA	Solid	Total BTEX	
880-22230-7	S-4, 0-0.5	Total/NA	Solid	Total BTEX	
880-22230-8	S-4, 0.5-1	Total/NA	Solid	Total BTEX	
880-22230-9	S-5, 0-0.5	Total/NA	Solid	Total BTEX	
880-22230-10	S-5, 0.5-1	Total/NA	Solid	Total BTEX	
880-22230-11	S-6, 0-0.5	Total/NA	Solid	Total BTEX	
880-22230-12	S-6, 0.5-1	Total/NA	Solid	Total BTEX	
880-22230-13	S-7, 0-0.5	Total/NA	Solid	Total BTEX	
880-22230-14	S-7, 0.5-1	Total/NA	Solid	Total BTEX	
880-22230-15	S-8, 0-0.5	Total/NA	Solid	Total BTEX	
880-22230-16	S-8, 0.5-1	Total/NA	Solid	Total BTEX	
880-22230-17	S-9, 0-0.5	Total/NA	Solid	Total BTEX	
880-22230-18	S-9, 0.5-1	Total/NA	Solid	Total BTEX	
880-22230-19	S-10, 0-0.5	Total/NA	Solid	Total BTEX	
880-22230-20	S-10, 0.5-1	Total/NA	Solid	Total BTEX	
880-22230-21	S-11, 0-0.5	Total/NA	Solid	Total BTEX	
880-22230-22	S-11, 0.5-1	Total/NA	Solid	Total BTEX	
880-22230-23	S-12, 0-0.5	Total/NA	Solid	Total BTEX	
880-22230-24	S-12, 0.5-1	Total/NA	Solid	Total BTEX	
880-22230-25	S-13, 0-0.5	Total/NA	Solid	Total BTEX	
880-22230-26	S-13, 0.5-1	Total/NA	Solid	Total BTEX	
880-22230-27	S-14, 0-0.5	Total/NA	Solid	Total BTEX	
880-22230-28	S-14, 0.5-1	Total/NA	Solid	Total BTEX	
880-22230-29	North 0-0.5	Total/NA	Solid	Total BTEX	
880-22230-30	North 0.5-1	Total/NA	Solid	Total BTEX	
880-22230-31	South 0-0.5	Total/NA	Solid	Total BTEX	
880-22230-32	South 0.5-1	Total/NA	Solid	Total BTEX	
880-22230-33	West 0-0.5	Total/NA	Solid	Total BTEX	
880-22230-34	West 0.5-1	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 41279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22230-1	S-1, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22230-2	S-1, 0.5-1	Total/NA	Solid	8015NM Prep	
880-22230-3	S-2, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22230-4	S-2, 0.5-1	Total/NA	Solid	8015NM Prep	
880-22230-5	S-3, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22230-6	S-3, 0.5-1	Total/NA	Solid	8015NM Prep	
880-22230-7	S-4, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22230-8	S-4, 0.5-1	Total/NA	Solid	8015NM Prep	
880-22230-9	S-5, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22230-10	S-5, 0.5-1	Total/NA	Solid	8015NM Prep	
880-22230-11	S-6, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22230-12	S-6, 0.5-1	Total/NA	Solid	8015NM Prep	
880-22230-13	S-7, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22230-14	S-7, 0.5-1	Total/NA	Solid	8015NM Prep	
880-22230-15	S-8, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22230-16	S-8, 0.5-1	Total/NA	Solid	8015NM Prep	
880-22230-17	S-9, 0-0.5	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

GC Semi VOA (Continued)

Prep Batch: 41279 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22230-18	S-9, 0.5-1	Total/NA	Solid	8015NM Prep	
880-22230-19	S-10, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22230-20	S-10, 0.5-1	Total/NA	Solid	8015NM Prep	
MB 880-41279/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41279/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41279/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22230-1 MS	S-1, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22230-1 MSD	S-1, 0-0.5	Total/NA	Solid	8015NM Prep	

Prep Batch: 41296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22230-21	S-11, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22230-22	S-11, 0.5-1	Total/NA	Solid	8015NM Prep	
880-22230-23	S-12, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22230-24	S-12, 0.5-1	Total/NA	Solid	8015NM Prep	
880-22230-25	S-13, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22230-26	S-13, 0.5-1	Total/NA	Solid	8015NM Prep	
880-22230-27	S-14, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22230-28	S-14, 0.5-1	Total/NA	Solid	8015NM Prep	
880-22230-29	North 0-0.5	Total/NA	Solid	8015NM Prep	
880-22230-30	North 0.5-1	Total/NA	Solid	8015NM Prep	
880-22230-31	South 0-0.5	Total/NA	Solid	8015NM Prep	
880-22230-32	South 0.5-1	Total/NA	Solid	8015NM Prep	
880-22230-33	West 0-0.5	Total/NA	Solid	8015NM Prep	
880-22230-34	West 0.5-1	Total/NA	Solid	8015NM Prep	
MB 880-41296/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41296/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41296/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 41411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22230-1	S-1, 0-0.5	Total/NA	Solid	8015B NM	41279
880-22230-2	S-1, 0.5-1	Total/NA	Solid	8015B NM	41279
880-22230-3	S-2, 0-0.5	Total/NA	Solid	8015B NM	41279
880-22230-4	S-2, 0.5-1	Total/NA	Solid	8015B NM	41279
880-22230-5	S-3, 0-0.5	Total/NA	Solid	8015B NM	41279
880-22230-6	S-3, 0.5-1	Total/NA	Solid	8015B NM	41279
880-22230-7	S-4, 0-0.5	Total/NA	Solid	8015B NM	41279
880-22230-8	S-4, 0.5-1	Total/NA	Solid	8015B NM	41279
880-22230-9	S-5, 0-0.5	Total/NA	Solid	8015B NM	41279
880-22230-10	S-5, 0.5-1	Total/NA	Solid	8015B NM	41279
880-22230-11	S-6, 0-0.5	Total/NA	Solid	8015B NM	41279
880-22230-12	S-6, 0.5-1	Total/NA	Solid	8015B NM	41279
880-22230-13	S-7, 0-0.5	Total/NA	Solid	8015B NM	41279
880-22230-14	S-7, 0.5-1	Total/NA	Solid	8015B NM	41279
880-22230-15	S-8, 0-0.5	Total/NA	Solid	8015B NM	41279
880-22230-16	S-8, 0.5-1	Total/NA	Solid	8015B NM	41279
880-22230-17	S-9, 0-0.5	Total/NA	Solid	8015B NM	41279
880-22230-18	S-9, 0.5-1	Total/NA	Solid	8015B NM	41279
880-22230-19	S-10, 0-0.5	Total/NA	Solid	8015B NM	41279
880-22230-20	S-10, 0.5-1	Total/NA	Solid	8015B NM	41279

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

GC Semi VOA (Continued)

Analysis Batch: 41411 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-41279/1-A	Method Blank	Total/NA	Solid	8015B NM	41279
LCS 880-41279/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41279
LCSD 880-41279/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41279
880-22230-1 MS	S-1, 0-0.5	Total/NA	Solid	8015B NM	41279
880-22230-1 MSD	S-1, 0-0.5	Total/NA	Solid	8015B NM	41279

Analysis Batch: 41416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22230-21	S-11, 0-0.5	Total/NA	Solid	8015B NM	41296
880-22230-22	S-11, 0.5-1	Total/NA	Solid	8015B NM	41296
880-22230-23	S-12, 0-0.5	Total/NA	Solid	8015B NM	41296
880-22230-24	S-12, 0.5-1	Total/NA	Solid	8015B NM	41296
880-22230-25	S-13, 0-0.5	Total/NA	Solid	8015B NM	41296
880-22230-26	S-13, 0.5-1	Total/NA	Solid	8015B NM	41296
880-22230-27	S-14, 0-0.5	Total/NA	Solid	8015B NM	41296
880-22230-28	S-14, 0.5-1	Total/NA	Solid	8015B NM	41296
880-22230-29	North 0-0.5	Total/NA	Solid	8015B NM	41296
880-22230-30	North 0.5-1	Total/NA	Solid	8015B NM	41296
880-22230-31	South 0-0.5	Total/NA	Solid	8015B NM	41296
880-22230-32	South 0.5-1	Total/NA	Solid	8015B NM	41296
880-22230-33	West 0-0.5	Total/NA	Solid	8015B NM	41296
880-22230-34	West 0.5-1	Total/NA	Solid	8015B NM	41296
MB 880-41296/1-A	Method Blank	Total/NA	Solid	8015B NM	41296
LCS 880-41296/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41296
LCSD 880-41296/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41296

Analysis Batch: 41574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22230-1	S-1, 0-0.5	Total/NA	Solid	8015 NM	
880-22230-2	S-1, 0.5-1	Total/NA	Solid	8015 NM	
880-22230-3	S-2, 0-0.5	Total/NA	Solid	8015 NM	
880-22230-4	S-2, 0.5-1	Total/NA	Solid	8015 NM	
880-22230-5	S-3, 0-0.5	Total/NA	Solid	8015 NM	
880-22230-6	S-3, 0.5-1	Total/NA	Solid	8015 NM	
880-22230-7	S-4, 0-0.5	Total/NA	Solid	8015 NM	
880-22230-8	S-4, 0.5-1	Total/NA	Solid	8015 NM	
880-22230-9	S-5, 0-0.5	Total/NA	Solid	8015 NM	
880-22230-10	S-5, 0.5-1	Total/NA	Solid	8015 NM	
880-22230-11	S-6, 0-0.5	Total/NA	Solid	8015 NM	
880-22230-12	S-6, 0.5-1	Total/NA	Solid	8015 NM	
880-22230-13	S-7, 0-0.5	Total/NA	Solid	8015 NM	
880-22230-14	S-7, 0.5-1	Total/NA	Solid	8015 NM	
880-22230-15	S-8, 0-0.5	Total/NA	Solid	8015 NM	
880-22230-16	S-8, 0.5-1	Total/NA	Solid	8015 NM	
880-22230-17	S-9, 0-0.5	Total/NA	Solid	8015 NM	
880-22230-18	S-9, 0.5-1	Total/NA	Solid	8015 NM	
880-22230-19	S-10, 0-0.5	Total/NA	Solid	8015 NM	
880-22230-20	S-10, 0.5-1	Total/NA	Solid	8015 NM	
880-22230-21	S-11, 0-0.5	Total/NA	Solid	8015 NM	
880-22230-22	S-11, 0.5-1	Total/NA	Solid	8015 NM	
880-22230-23	S-12, 0-0.5	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

GC Semi VOA (Continued)

Analysis Batch: 41574 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22230-24	S-12, 0.5-1	Total/NA	Solid	8015 NM	
880-22230-25	S-13, 0-0.5	Total/NA	Solid	8015 NM	
880-22230-26	S-13, 0.5-1	Total/NA	Solid	8015 NM	
880-22230-27	S-14, 0-0.5	Total/NA	Solid	8015 NM	
880-22230-28	S-14, 0.5-1	Total/NA	Solid	8015 NM	
880-22230-29	North 0-0.5	Total/NA	Solid	8015 NM	
880-22230-30	North 0.5-1	Total/NA	Solid	8015 NM	
880-22230-31	South 0-0.5	Total/NA	Solid	8015 NM	
880-22230-32	South 0.5-1	Total/NA	Solid	8015 NM	
880-22230-33	West 0-0.5	Total/NA	Solid	8015 NM	
880-22230-34	West 0.5-1	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 40975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22230-1	S-1, 0-0.5	Soluble	Solid	DI Leach	
880-22230-2	S-1, 0.5-1	Soluble	Solid	DI Leach	
880-22230-3	S-2, 0-0.5	Soluble	Solid	DI Leach	
880-22230-4	S-2, 0.5-1	Soluble	Solid	DI Leach	
880-22230-5	S-3, 0-0.5	Soluble	Solid	DI Leach	
880-22230-6	S-3, 0.5-1	Soluble	Solid	DI Leach	
880-22230-7	S-4, 0-0.5	Soluble	Solid	DI Leach	
880-22230-8	S-4, 0.5-1	Soluble	Solid	DI Leach	
880-22230-9	S-5, 0-0.5	Soluble	Solid	DI Leach	
880-22230-10	S-5, 0.5-1	Soluble	Solid	DI Leach	
880-22230-11	S-6, 0-0.5	Soluble	Solid	DI Leach	
880-22230-12	S-6, 0.5-1	Soluble	Solid	DI Leach	
880-22230-13	S-7, 0-0.5	Soluble	Solid	DI Leach	
880-22230-14	S-7, 0.5-1	Soluble	Solid	DI Leach	
MB 880-40975/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-40975/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-40975/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22230-5 MS	S-3, 0-0.5	Soluble	Solid	DI Leach	
880-22230-5 MSD	S-3, 0-0.5	Soluble	Solid	DI Leach	

Leach Batch: 40976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22230-15	S-8, 0-0.5	Soluble	Solid	DI Leach	
880-22230-16	S-8, 0.5-1	Soluble	Solid	DI Leach	
880-22230-17	S-9, 0-0.5	Soluble	Solid	DI Leach	
880-22230-18	S-9, 0.5-1	Soluble	Solid	DI Leach	
880-22230-19	S-10, 0-0.5	Soluble	Solid	DI Leach	
880-22230-20	S-10, 0.5-1	Soluble	Solid	DI Leach	
880-22230-21	S-11, 0-0.5	Soluble	Solid	DI Leach	
880-22230-22	S-11, 0.5-1	Soluble	Solid	DI Leach	
880-22230-23	S-12, 0-0.5	Soluble	Solid	DI Leach	
880-22230-24	S-12, 0.5-1	Soluble	Solid	DI Leach	
880-22230-25	S-13, 0-0.5	Soluble	Solid	DI Leach	
880-22230-26	S-13, 0.5-1	Soluble	Solid	DI Leach	
880-22230-27	S-14, 0-0.5	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

HPLC/IC (Continued)

Leach Batch: 40976 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22230-28	S-14, 0.5-1	Soluble	Solid	DI Leach	
880-22230-29	North 0-0.5	Soluble	Solid	DI Leach	
880-22230-30	North 0.5-1	Soluble	Solid	DI Leach	
880-22230-31	South 0-0.5	Soluble	Solid	DI Leach	
880-22230-32	South 0.5-1	Soluble	Solid	DI Leach	
880-22230-33	West 0-0.5	Soluble	Solid	DI Leach	
880-22230-34	West 0.5-1	Soluble	Solid	DI Leach	
MB 880-40976/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-40976/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-40976/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22230-15 MS	S-8, 0-0.5	Soluble	Solid	DI Leach	
880-22230-15 MSD	S-8, 0-0.5	Soluble	Solid	DI Leach	
880-22230-25 MS	S-13, 0-0.5	Soluble	Solid	DI Leach	
880-22230-25 MSD	S-13, 0-0.5	Soluble	Solid	DI Leach	

Analysis Batch: 41271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22230-15	S-8, 0-0.5	Soluble	Solid	300.0	40976
880-22230-16	S-8, 0.5-1	Soluble	Solid	300.0	40976
880-22230-17	S-9, 0-0.5	Soluble	Solid	300.0	40976
880-22230-18	S-9, 0.5-1	Soluble	Solid	300.0	40976
880-22230-19	S-10, 0-0.5	Soluble	Solid	300.0	40976
880-22230-20	S-10, 0.5-1	Soluble	Solid	300.0	40976
880-22230-21	S-11, 0-0.5	Soluble	Solid	300.0	40976
880-22230-22	S-11, 0.5-1	Soluble	Solid	300.0	40976
880-22230-23	S-12, 0-0.5	Soluble	Solid	300.0	40976
880-22230-24	S-12, 0.5-1	Soluble	Solid	300.0	40976
880-22230-25	S-13, 0-0.5	Soluble	Solid	300.0	40976
880-22230-26	S-13, 0.5-1	Soluble	Solid	300.0	40976
880-22230-27	S-14, 0-0.5	Soluble	Solid	300.0	40976
880-22230-28	S-14, 0.5-1	Soluble	Solid	300.0	40976
880-22230-29	North 0-0.5	Soluble	Solid	300.0	40976
880-22230-30	North 0.5-1	Soluble	Solid	300.0	40976
880-22230-31	South 0-0.5	Soluble	Solid	300.0	40976
880-22230-32	South 0.5-1	Soluble	Solid	300.0	40976
880-22230-33	West 0-0.5	Soluble	Solid	300.0	40976
880-22230-34	West 0.5-1	Soluble	Solid	300.0	40976
MB 880-40976/1-A	Method Blank	Soluble	Solid	300.0	40976
LCS 880-40976/2-A	Lab Control Sample	Soluble	Solid	300.0	40976
LCSD 880-40976/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40976
880-22230-15 MS	S-8, 0-0.5	Soluble	Solid	300.0	40976
880-22230-15 MSD	S-8, 0-0.5	Soluble	Solid	300.0	40976
880-22230-25 MS	S-13, 0-0.5	Soluble	Solid	300.0	40976
880-22230-25 MSD	S-13, 0-0.5	Soluble	Solid	300.0	40976

Analysis Batch: 41275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22230-1	S-1, 0-0.5	Soluble	Solid	300.0	40975
880-22230-2	S-1, 0.5-1	Soluble	Solid	300.0	40975
880-22230-3	S-2, 0-0.5	Soluble	Solid	300.0	40975
880-22230-4	S-2, 0.5-1	Soluble	Solid	300.0	40975

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

HPLC/IC (Continued)

Analysis Batch: 41275 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22230-5	S-3, 0-0.5	Soluble	Solid	300.0	40975
880-22230-6	S-3, 0.5-1	Soluble	Solid	300.0	40975
880-22230-7	S-4, 0-0.5	Soluble	Solid	300.0	40975
880-22230-8	S-4, 0.5-1	Soluble	Solid	300.0	40975
880-22230-9	S-5, 0-0.5	Soluble	Solid	300.0	40975
880-22230-10	S-5, 0.5-1	Soluble	Solid	300.0	40975
880-22230-11	S-6, 0-0.5	Soluble	Solid	300.0	40975
880-22230-12	S-6, 0.5-1	Soluble	Solid	300.0	40975
880-22230-13	S-7, 0-0.5	Soluble	Solid	300.0	40975
880-22230-14	S-7, 0.5-1	Soluble	Solid	300.0	40975
MB 880-40975/1-A	Method Blank	Soluble	Solid	300.0	40975
LCS 880-40975/2-A	Lab Control Sample	Soluble	Solid	300.0	40975
LCSD 880-40975/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40975
880-22230-5 MS	S-3, 0-0.5	Soluble	Solid	300.0	40975
880-22230-5 MSD	S-3, 0-0.5	Soluble	Solid	300.0	40975

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-1, 0-0.5

Lab Sample ID: 880-22230-1

Date Collected: 12/01/22 11:41

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	41667	12/12/22 15:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/14/22 19:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 10:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41279	12/07/22 12:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41411	12/09/22 21:54	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	40975	12/03/22 16:41	SMC	EET MID
Soluble	Analysis	300.0		1			41275	12/09/22 16:17	CH	EET MID

Client Sample ID: S-1, 0.5-1

Lab Sample ID: 880-22230-2

Date Collected: 12/01/22 11:42

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	41667	12/12/22 15:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/14/22 19:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 10:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41279	12/07/22 12:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41411	12/09/22 22:59	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	40975	12/03/22 16:41	SMC	EET MID
Soluble	Analysis	300.0		1			41275	12/09/22 16:23	CH	EET MID

Client Sample ID: S-2, 0-0.5

Lab Sample ID: 880-22230-3

Date Collected: 12/01/22 11:44

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	41667	12/12/22 15:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/14/22 20:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 10:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41279	12/07/22 12:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41411	12/09/22 23:20	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	40975	12/03/22 16:41	SMC	EET MID
Soluble	Analysis	300.0		1			41275	12/09/22 16:29	CH	EET MID

Client Sample ID: S-2, 0.5-1

Lab Sample ID: 880-22230-4

Date Collected: 12/01/22 11:45

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	41667	12/12/22 15:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/14/22 20:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-2, 0.5-1

Lab Sample ID: 880-22230-4

Date Collected: 12/01/22 11:45

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			41574	12/12/22 10:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41279	12/07/22 12:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41411	12/09/22 23:42	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	40975	12/03/22 16:41	SMC	EET MID
Soluble	Analysis	300.0		1			41275	12/09/22 16:35	CH	EET MID

Client Sample ID: S-3, 0-0.5

Lab Sample ID: 880-22230-5

Date Collected: 12/01/22 11:48

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	41667	12/12/22 15:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/14/22 21:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 10:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41279	12/07/22 12:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41411	12/10/22 00:03	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	40975	12/03/22 16:41	SMC	EET MID
Soluble	Analysis	300.0		1			41275	12/09/22 16:41	CH	EET MID

Client Sample ID: S-3, 0.5-1

Lab Sample ID: 880-22230-6

Date Collected: 12/01/22 11:49

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	41667	12/12/22 15:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/14/22 21:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 10:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41279	12/07/22 12:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41411	12/10/22 00:25	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	40975	12/03/22 16:41	SMC	EET MID
Soluble	Analysis	300.0		1			41275	12/09/22 17:00	CH	EET MID

Client Sample ID: S-4, 0-0.5

Lab Sample ID: 880-22230-7

Date Collected: 12/01/22 11:50

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	41667	12/12/22 15:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/14/22 21:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 10:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	41279	12/07/22 12:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41411	12/10/22 00:46	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-4, 0-0.5

Lab Sample ID: 880-22230-7

Date Collected: 12/01/22 11:50

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	40975	12/03/22 16:41	SMC	EET MID
Soluble	Analysis	300.0		5			41275	12/09/22 17:06	CH	EET MID

Client Sample ID: S-4, 0.5-1

Lab Sample ID: 880-22230-8

Date Collected: 12/01/22 11:51

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	41667	12/12/22 15:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/14/22 22:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 10:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41279	12/07/22 12:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41411	12/10/22 01:08	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	40975	12/03/22 16:41	SMC	EET MID
Soluble	Analysis	300.0		5			41275	12/09/22 17:25	CH	EET MID

Client Sample ID: S-5, 0-0.5

Lab Sample ID: 880-22230-9

Date Collected: 12/01/22 11:53

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	41667	12/12/22 15:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/14/22 22:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 10:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41279	12/07/22 12:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41411	12/10/22 01:29	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	40975	12/03/22 16:41	SMC	EET MID
Soluble	Analysis	300.0		1			41275	12/09/22 17:31	CH	EET MID

Client Sample ID: S-5, 0.5-1

Lab Sample ID: 880-22230-10

Date Collected: 12/01/22 11:54

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	41667	12/12/22 15:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/14/22 22:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 10:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41279	12/07/22 12:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41411	12/10/22 01:51	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	40975	12/03/22 16:41	SMC	EET MID
Soluble	Analysis	300.0		1			41275	12/09/22 17:37	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-6, 0-0.5

Lab Sample ID: 880-22230-11

Date Collected: 12/01/22 11:57

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	41667	12/12/22 15:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 00:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 10:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41279	12/07/22 12:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41411	12/10/22 02:34	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	40975	12/03/22 16:41	SMC	EET MID
Soluble	Analysis	300.0		1			41275	12/09/22 17:43	CH	EET MID

Client Sample ID: S-6, 0.5-1

Lab Sample ID: 880-22230-12

Date Collected: 12/01/22 11:59

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	41667	12/12/22 15:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 00:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 10:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41279	12/07/22 12:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41411	12/10/22 02:56	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	40975	12/03/22 16:41	SMC	EET MID
Soluble	Analysis	300.0		1			41275	12/09/22 17:49	CH	EET MID

Client Sample ID: S-7, 0-0.5

Lab Sample ID: 880-22230-13

Date Collected: 12/01/22 12:03

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	41667	12/12/22 15:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 01:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 10:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41279	12/07/22 12:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41411	12/10/22 03:17	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	40975	12/03/22 16:41	SMC	EET MID
Soluble	Analysis	300.0		1			41275	12/09/22 17:55	CH	EET MID

Client Sample ID: S-7, 0.5-1

Lab Sample ID: 880-22230-14

Date Collected: 12/01/22 12:04

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	41667	12/12/22 15:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 01:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-7, 0.5-1**Lab Sample ID: 880-22230-14****Date Collected: 12/01/22 12:04****Matrix: Solid****Date Received: 12/02/22 14:53**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			41574	12/12/22 10:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41279	12/07/22 12:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41411	12/10/22 03:39	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	40975	12/03/22 16:41	SMC	EET MID
Soluble	Analysis	300.0		1			41275	12/09/22 18:02	CH	EET MID

Client Sample ID: S-8, 0-0.5**Lab Sample ID: 880-22230-15****Date Collected: 12/01/22 12:07****Matrix: Solid****Date Received: 12/02/22 14:53**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	41667	12/12/22 15:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 01:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 10:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41279	12/07/22 12:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41411	12/10/22 04:00	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	40976	12/03/22 16:44	SMC	EET MID
Soluble	Analysis	300.0		1			41271	12/08/22 03:14	CH	EET MID

Client Sample ID: S-8, 0.5-1**Lab Sample ID: 880-22230-16****Date Collected: 12/01/22 12:09****Matrix: Solid****Date Received: 12/02/22 14:53**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	41667	12/12/22 15:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 02:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 10:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41279	12/07/22 12:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41411	12/10/22 04:22	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	40976	12/03/22 16:44	SMC	EET MID
Soluble	Analysis	300.0		1			41271	12/08/22 03:39	CH	EET MID

Client Sample ID: S-9, 0-0.5**Lab Sample ID: 880-22230-17****Date Collected: 12/01/22 12:13****Matrix: Solid****Date Received: 12/02/22 14:53**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	41667	12/12/22 15:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 02:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 10:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41279	12/07/22 12:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41411	12/10/22 04:44	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-9, 0-0.5

Lab Sample ID: 880-22230-17

Date Collected: 12/01/22 12:13

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	40976	12/03/22 16:44	SMC	EET MID
Soluble	Analysis	300.0		1			41271	12/08/22 03:47	CH	EET MID

Client Sample ID: S-9, 0.5-1

Lab Sample ID: 880-22230-18

Date Collected: 12/01/22 12:15

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	41667	12/12/22 15:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 02:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 10:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41279	12/07/22 12:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41411	12/10/22 05:05	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	40976	12/03/22 16:44	SMC	EET MID
Soluble	Analysis	300.0		1			41271	12/08/22 03:55	CH	EET MID

Client Sample ID: S-10, 0-0.5

Lab Sample ID: 880-22230-19

Date Collected: 12/01/22 12:16

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	41667	12/12/22 15:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 03:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 10:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41279	12/07/22 12:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41411	12/10/22 05:27	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	40976	12/03/22 16:44	SMC	EET MID
Soluble	Analysis	300.0		1			41271	12/08/22 04:03	CH	EET MID

Client Sample ID: S-10, 0.5-1

Lab Sample ID: 880-22230-20

Date Collected: 12/01/22 12:18

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	41667	12/12/22 15:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 03:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 10:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41279	12/07/22 12:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41411	12/10/22 05:48	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	40976	12/03/22 16:44	SMC	EET MID
Soluble	Analysis	300.0		1			41271	12/08/22 04:27	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-11, 0-0.5

Lab Sample ID: 880-22230-21

Date Collected: 12/01/22 12:21

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	41753	12/13/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 07:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 09:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41296	12/07/22 15:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41416	12/09/22 23:42	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	40976	12/03/22 16:44	SMC	EET MID
Soluble	Analysis	300.0		1			41271	12/08/22 04:36	CH	EET MID

Client Sample ID: S-11, 0.5-1

Lab Sample ID: 880-22230-22

Date Collected: 12/01/22 12:22

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	41753	12/13/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 07:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 09:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41296	12/07/22 15:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41416	12/10/22 00:02	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	40976	12/03/22 16:44	SMC	EET MID
Soluble	Analysis	300.0		1			41271	12/08/22 04:44	CH	EET MID

Client Sample ID: S-12, 0-0.5

Lab Sample ID: 880-22230-23

Date Collected: 12/01/22 12:27

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	41753	12/13/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 07:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 09:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	41296	12/07/22 15:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41416	12/10/22 00:23	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	40976	12/03/22 16:44	SMC	EET MID
Soluble	Analysis	300.0		1			41271	12/08/22 04:52	CH	EET MID

Client Sample ID: S-12, 0.5-1

Lab Sample ID: 880-22230-24

Date Collected: 12/01/22 12:28

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	41753	12/13/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 08:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-12, 0.5-1

Lab Sample ID: 880-22230-24

Date Collected: 12/01/22 12:28

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			41574	12/12/22 09:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41296	12/07/22 15:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41416	12/10/22 00:43	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	40976	12/03/22 16:44	SMC	EET MID
Soluble	Analysis	300.0		1			41271	12/08/22 05:00	CH	EET MID

Client Sample ID: S-13, 0-0.5

Lab Sample ID: 880-22230-25

Date Collected: 12/01/22 12:30

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	41753	12/13/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 08:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 09:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41296	12/07/22 15:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41416	12/10/22 01:03	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	40976	12/03/22 16:44	SMC	EET MID
Soluble	Analysis	300.0		1			41271	12/08/22 05:08	CH	EET MID

Client Sample ID: S-13, 0.5-1

Lab Sample ID: 880-22230-26

Date Collected: 12/01/22 12:33

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	41753	12/13/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 08:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 09:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41296	12/07/22 15:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41416	12/10/22 01:23	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	40976	12/03/22 16:44	SMC	EET MID
Soluble	Analysis	300.0		1			41271	12/08/22 05:33	CH	EET MID

Client Sample ID: S-14, 0-0.5

Lab Sample ID: 880-22230-27

Date Collected: 12/01/22 12:35

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	41753	12/13/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 09:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 09:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41296	12/07/22 15:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41416	12/10/22 02:04	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: S-14, 0-0.5

Lab Sample ID: 880-22230-27

Date Collected: 12/01/22 12:35

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	40976	12/03/22 16:44	SMC	EET MID
Soluble	Analysis	300.0		1			41271	12/08/22 05:41	CH	EET MID

Client Sample ID: S-14, 0.5-1

Lab Sample ID: 880-22230-28

Date Collected: 12/01/22 12:37

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	41753	12/13/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 09:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 09:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41296	12/07/22 15:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41416	12/10/22 02:24	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	40976	12/03/22 16:44	SMC	EET MID
Soluble	Analysis	300.0		1			41271	12/08/22 06:05	CH	EET MID

Client Sample ID: North 0-0.5

Lab Sample ID: 880-22230-29

Date Collected: 12/01/22 12:39

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	41753	12/13/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 09:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 09:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41296	12/07/22 15:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41416	12/10/22 02:45	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	40976	12/03/22 16:44	SMC	EET MID
Soluble	Analysis	300.0		1			41271	12/08/22 06:13	CH	EET MID

Client Sample ID: North 0.5-1

Lab Sample ID: 880-22230-30

Date Collected: 12/01/22 12:41

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	41753	12/13/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 10:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 09:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41296	12/07/22 15:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41416	12/10/22 03:05	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	40976	12/03/22 16:44	SMC	EET MID
Soluble	Analysis	300.0		1			41271	12/08/22 06:21	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: South 0-0.5

Lab Sample ID: 880-22230-31

Date Collected: 12/01/22 12:44

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	41753	12/13/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 12:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 15:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 09:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41296	12/07/22 15:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41416	12/10/22 03:25	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	40976	12/03/22 16:44	SMC	EET MID
Soluble	Analysis	300.0		1			41271	12/08/22 06:30	CH	EET MID

Client Sample ID: South 0.5-1

Lab Sample ID: 880-22230-32

Date Collected: 12/01/22 12:45

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	41753	12/13/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 12:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 15:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 09:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41296	12/07/22 15:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41416	12/10/22 03:45	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	40976	12/03/22 16:44	SMC	EET MID
Soluble	Analysis	300.0		1			41271	12/08/22 06:38	CH	EET MID

Client Sample ID: West 0-0.5

Lab Sample ID: 880-22230-33

Date Collected: 12/01/22 12:47

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	41753	12/13/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 12:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 15:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			41574	12/12/22 09:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41296	12/07/22 15:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41416	12/10/22 04:05	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	40976	12/03/22 16:44	SMC	EET MID
Soluble	Analysis	300.0		1			41271	12/08/22 06:46	CH	EET MID

Client Sample ID: West 0.5-1

Lab Sample ID: 880-22230-34

Date Collected: 12/01/22 12:50

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	41753	12/13/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 13:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41919	12/15/22 15:48	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Client Sample ID: West 0.5-1

Lab Sample ID: 880-22230-34

Date Collected: 12/01/22 12:50

Matrix: Solid

Date Received: 12/02/22 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			41574	12/12/22 09:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41296	12/07/22 15:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41416	12/10/22 04:25	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	40976	12/03/22 16:44	SMC	EET MID
Soluble	Analysis	300.0		1			41271	12/08/22 06:54	CH	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Pliny Elder

Job ID: 880-22230-1
SDG: 22-0107-02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-22230-1	S-1, 0-0.5	Solid	12/01/22 11:41	12/02/22 14:53
880-22230-2	S-1, 0.5-1	Solid	12/01/22 11:42	12/02/22 14:53
880-22230-3	S-2, 0-0.5	Solid	12/01/22 11:44	12/02/22 14:53
880-22230-4	S-2, 0.5-1	Solid	12/01/22 11:45	12/02/22 14:53
880-22230-5	S-3, 0-0.5	Solid	12/01/22 11:48	12/02/22 14:53
880-22230-6	S-3, 0.5-1	Solid	12/01/22 11:49	12/02/22 14:53
880-22230-7	S-4, 0-0.5	Solid	12/01/22 11:50	12/02/22 14:53
880-22230-8	S-4, 0.5-1	Solid	12/01/22 11:51	12/02/22 14:53
880-22230-9	S-5, 0-0.5	Solid	12/01/22 11:53	12/02/22 14:53
880-22230-10	S-5, 0.5-1	Solid	12/01/22 11:54	12/02/22 14:53
880-22230-11	S-6, 0-0.5	Solid	12/01/22 11:57	12/02/22 14:53
880-22230-12	S-6, 0.5-1	Solid	12/01/22 11:59	12/02/22 14:53
880-22230-13	S-7, 0-0.5	Solid	12/01/22 12:03	12/02/22 14:53
880-22230-14	S-7, 0.5-1	Solid	12/01/22 12:04	12/02/22 14:53
880-22230-15	S-8, 0-0.5	Solid	12/01/22 12:07	12/02/22 14:53
880-22230-16	S-8, 0.5-1	Solid	12/01/22 12:09	12/02/22 14:53
880-22230-17	S-9, 0-0.5	Solid	12/01/22 12:13	12/02/22 14:53
880-22230-18	S-9, 0.5-1	Solid	12/01/22 12:15	12/02/22 14:53
880-22230-19	S-10, 0-0.5	Solid	12/01/22 12:16	12/02/22 14:53
880-22230-20	S-10, 0.5-1	Solid	12/01/22 12:18	12/02/22 14:53
880-22230-21	S-11, 0-0.5	Solid	12/01/22 12:21	12/02/22 14:53
880-22230-22	S-11, 0.5-1	Solid	12/01/22 12:22	12/02/22 14:53
880-22230-23	S-12, 0-0.5	Solid	12/01/22 12:27	12/02/22 14:53
880-22230-24	S-12, 0.5-1	Solid	12/01/22 12:28	12/02/22 14:53
880-22230-25	S-13, 0-0.5	Solid	12/01/22 12:30	12/02/22 14:53
880-22230-26	S-13, 0.5-1	Solid	12/01/22 12:33	12/02/22 14:53
880-22230-27	S-14, 0-0.5	Solid	12/01/22 12:35	12/02/22 14:53
880-22230-28	S-14, 0.5-1	Solid	12/01/22 12:37	12/02/22 14:53
880-22230-29	North 0-0.5	Solid	12/01/22 12:39	12/02/22 14:53
880-22230-30	North 0.5-1	Solid	12/01/22 12:41	12/02/22 14:53
880-22230-31	South 0-0.5	Solid	12/01/22 12:44	12/02/22 14:53
880-22230-32	South 0.5-1	Solid	12/01/22 12:45	12/02/22 14:53
880-22230-33	West 0-0.5	Solid	12/01/22 12:47	12/02/22 14:53
880-22230-34	West 0.5-1	Solid	12/01/22 12:50	12/02/22 14:53

3000

No. 2822

CHAIN-OF-CUSTODY

[illegible]

No. 2823

No. 2823

CHAIN-OF-CUSTODY

[illegible]

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-22230-1

SDG Number: 22-0107-02

Login Number: 22230

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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 containers received 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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Mark J Larson
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Generated 12/23/2022 9:48:23 PM

JOB DESCRIPTION

Pliney Elder
SDG NUMBER 22-0107-02

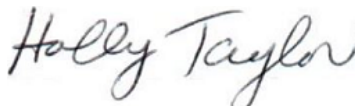
JOB NUMBER

880-22534-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland**Job Notes**

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

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12/23/2022 9:48:23 PM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Laboratory Job ID: 880-22534-1
SDG: 22-0107-02

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
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.
□	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
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: Larson & Associates, Inc.
Project/Site: Pliny Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Job ID: 880-22534-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-22534-1

Receipt

The samples were received on 12/9/2022 8:55 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 3.8°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-15, 0-0.5 (880-22534-1), S-15, 0.5-1 (880-22534-2), S-16, 0-0.5 (880-22534-3), S-16, 0.5-1 (880-22534-4), S-17, 0-0.5 (880-22534-5), S-17, 0.5-1 (880-22534-6), S-18, 0-0.5 (880-22534-7), S-18, 0.5-1 (880-22534-8), S-19, 0-0.5 (880-22534-9), S-19, 0.5-1 (880-22534-10), S-20, 0-0.5 (880-22534-11), S-20, 0.5-1 (880-22534-12), S-21, 0-0.5 (880-22534-13), S-21, 0.5-1 (880-22534-14), S-22, 0-0.5 (880-22534-15), S-23, 0-0.5 (880-22534-16), S-23, 0.5-1 (880-22534-17), S-24, 0-0.5 (880-22534-18), S-25, 0-0.5 (880-22534-19) and S-26, 0-0.5 (880-22534-20).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-16, 0-0.5 (880-22534-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-42358 and analytical batch 880-42466 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-41663 and analytical batch 880-41695 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-15, 0-0.5 (880-22534-1), S-15, 0.5-1 (880-22534-2), S-16, 0-0.5 (880-22534-3), S-16, 0.5-1 (880-22534-4) and S-17, 0-0.5 (880-22534-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-18, 0-0.5 (880-22534-7), S-18, 0.5-1 (880-22534-8) and S-19, 0.5-1 (880-22534-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-20, 0-0.5 (880-22534-11), S-21, 0-0.5 (880-22534-13), S-21, 0.5-1 (880-22534-14) and S-22, 0-0.5 (880-22534-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Method 300_ORGFM_28D: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-41480 and analytical batch 880-42034. The associated laboratory control sample (LCS) met acceptance criteria.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-41480 and analytical batch 880-42034 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Client Sample ID: S-15, 0-0.5

Lab Sample ID: 880-22534-1

Date Collected: 12/08/22 10:00

Matrix: Solid

Date Received: 12/09/22 08:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U F1	0.00202	mg/Kg		12/20/22 21:37	12/22/22 11:41	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/20/22 21:37	12/22/22 11:41	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/20/22 21:37	12/22/22 11:41	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		12/20/22 21:37	12/22/22 11:41	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/20/22 21:37	12/22/22 11:41	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		12/20/22 21:37	12/22/22 11:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	12/20/22 21:37	12/22/22 11:41	1
1,4-Difluorobenzene (Surr)	91		70 - 130	12/20/22 21:37	12/22/22 11:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			12/22/22 15:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/14/22 12:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/13/22 20:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/13/22 20:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/13/22 20:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	128		70 - 130	12/12/22 15:31	12/13/22 20:58	1
o-Terphenyl (Surr)	141	S1+	70 - 130	12/12/22 15:31	12/13/22 20:58	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1020		5.03	mg/Kg			12/18/22 17:26	1

Client Sample ID: S-15, 0.5-1

Lab Sample ID: 880-22534-2

Date Collected: 12/08/22 10:15

Matrix: Solid

Date Received: 12/09/22 08:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/20/22 21:37	12/22/22 12:02	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/20/22 21:37	12/22/22 12:02	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/20/22 21:37	12/22/22 12:02	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/20/22 21:37	12/22/22 12:02	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/20/22 21:37	12/22/22 12:02	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/20/22 21:37	12/22/22 12:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	12/20/22 21:37	12/22/22 12:02	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/20/22 21:37	12/22/22 12:02	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Client Sample ID: S-15, 0.5-1

Lab Sample ID: 880-22534-2

Date Collected: 12/08/22 10:15

Matrix: Solid

Date Received: 12/09/22 08:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/22/22 15:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/14/22 12:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/13/22 22:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/13/22 22:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/13/22 22:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130			12/12/22 15:31	12/13/22 22:04	1
o-Terphenyl (Surr)	132	S1+	70 - 130			12/12/22 15:31	12/13/22 22:04	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1060		5.00	mg/Kg			12/18/22 17:47	1

Client Sample ID: S-16, 0-0.5

Lab Sample ID: 880-22534-3

Date Collected: 12/08/22 10:30

Matrix: Solid

Date Received: 12/09/22 08:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 12:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 12:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 12:23	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/20/22 21:37	12/22/22 12:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 12:23	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/20/22 21:37	12/22/22 12:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130			12/20/22 21:37	12/22/22 12:23	1
1,4-Difluorobenzene (Surr)	62	S1-	70 - 130			12/20/22 21:37	12/22/22 12:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			12/22/22 15:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/14/22 12:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/13/22 22:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/13/22 22:26	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Client Sample ID: S-16, 0-0.5

Lab Sample ID: 880-22534-3

Date Collected: 12/08/22 10:30

Matrix: Solid

Date Received: 12/09/22 08:55

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/13/22 22:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	139	S1+	70 - 130			12/12/22 15:31	12/13/22 22:26	1
o-Terphenyl (Surr)	154	S1+	70 - 130			12/12/22 15:31	12/13/22 22:26	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	113		4.97	mg/Kg			12/18/22 17:54	1

Client Sample ID: S-16, 0.5-1

Lab Sample ID: 880-22534-4

Date Collected: 12/08/22 10:45

Matrix: Solid

Date Received: 12/09/22 08:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		12/20/22 21:37	12/22/22 12:43	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/20/22 21:37	12/22/22 12:43	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/20/22 21:37	12/22/22 12:43	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		12/20/22 21:37	12/22/22 12:43	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/20/22 21:37	12/22/22 12:43	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		12/20/22 21:37	12/22/22 12:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			12/20/22 21:37	12/22/22 12:43	1
1,4-Difluorobenzene (Surr)	94		70 - 130			12/20/22 21:37	12/22/22 12:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			12/22/22 15:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/14/22 12:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/13/22 22:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/13/22 22:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/13/22 22:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	144	S1+	70 - 130			12/12/22 15:31	12/13/22 22:48	1
o-Terphenyl (Surr)	158	S1+	70 - 130			12/12/22 15:31	12/13/22 22:48	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05	mg/Kg			12/18/22 18:02	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Client Sample ID: S-17, 0-0.5

Lab Sample ID: 880-22534-5

Date Collected: 12/08/22 11:00

Matrix: Solid

Date Received: 12/09/22 08:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/20/22 21:37	12/22/22 13:04	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/20/22 21:37	12/22/22 13:04	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/20/22 21:37	12/22/22 13:04	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/20/22 21:37	12/22/22 13:04	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/20/22 21:37	12/22/22 13:04	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/20/22 21:37	12/22/22 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	12/20/22 21:37	12/22/22 13:04	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/20/22 21:37	12/22/22 13:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/22/22 15:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/14/22 12:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/13/22 23:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/13/22 23:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/13/22 23:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130	12/12/22 15:31	12/13/22 23:10	1
o-Terphenyl (Surr)	133	S1+	70 - 130	12/12/22 15:31	12/13/22 23:10	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143		4.99	mg/Kg			12/18/22 18:09	1

Client Sample ID: S-17, 0.5-1

Lab Sample ID: 880-22534-6

Date Collected: 12/08/22 11:15

Matrix: Solid

Date Received: 12/09/22 08:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		12/20/22 21:37	12/22/22 13:25	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/20/22 21:37	12/22/22 13:25	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/20/22 21:37	12/22/22 13:25	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/20/22 21:37	12/22/22 13:25	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/20/22 21:37	12/22/22 13:25	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/20/22 21:37	12/22/22 13:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	12/20/22 21:37	12/22/22 13:25	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/20/22 21:37	12/22/22 13:25	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Client Sample ID: S-17, 0.5-1

Lab Sample ID: 880-22534-6

Date Collected: 12/08/22 11:15

Matrix: Solid

Date Received: 12/09/22 08:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/22/22 15:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/14/22 12:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/13/22 23:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/13/22 23:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/13/22 23:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130			12/12/22 15:31	12/13/22 23:32	1
o-Terphenyl (Surr)	127		70 - 130			12/12/22 15:31	12/13/22 23:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	323		5.01	mg/Kg			12/18/22 18:30	1

Client Sample ID: S-18, 0-0.5

Lab Sample ID: 880-22534-7

Date Collected: 12/08/22 11:30

Matrix: Solid

Date Received: 12/09/22 08:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 13:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 13:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 13:45	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/20/22 21:37	12/22/22 13:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 13:45	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/20/22 21:37	12/22/22 13:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130			12/20/22 21:37	12/22/22 13:45	1
1,4-Difluorobenzene (Surr)	101		70 - 130			12/20/22 21:37	12/22/22 13:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			12/22/22 15:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/14/22 12:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/13/22 23:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/13/22 23:54	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Client Sample ID: S-18, 0-0.5

Lab Sample ID: 880-22534-7

Date Collected: 12/08/22 11:30

Matrix: Solid

Date Received: 12/09/22 08:55

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/13/22 23:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	118		70 - 130			12/12/22 15:31	12/13/22 23:54	1
o-Terphenyl (Surr)	133	S1+	70 - 130			12/12/22 15:31	12/13/22 23:54	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.7		5.00	mg/Kg			12/18/22 18:38	1

Client Sample ID: S-18, 0.5-1

Lab Sample ID: 880-22534-8

Date Collected: 12/08/22 11:45

Matrix: Solid

Date Received: 12/09/22 08:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		12/20/22 21:37	12/22/22 14:06	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/20/22 21:37	12/22/22 14:06	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/20/22 21:37	12/22/22 14:06	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/20/22 21:37	12/22/22 14:06	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/20/22 21:37	12/22/22 14:06	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/20/22 21:37	12/22/22 14:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130			12/20/22 21:37	12/22/22 14:06	1
1,4-Difluorobenzene (Surr)	100		70 - 130			12/20/22 21:37	12/22/22 14:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/22/22 15:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/14/22 12:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/14/22 00:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/14/22 00:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/14/22 00:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	118		70 - 130			12/12/22 15:31	12/14/22 00:16	1
o-Terphenyl (Surr)	132	S1+	70 - 130			12/12/22 15:31	12/14/22 00:16	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.4		5.02	mg/Kg			12/18/22 18:45	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Client Sample ID: S-19, 0-0.5

Lab Sample ID: 880-22534-9

Date Collected: 12/08/22 12:00

Matrix: Solid

Date Received: 12/09/22 08:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 14:27	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 14:27	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 14:27	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/20/22 21:37	12/22/22 14:27	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 14:27	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/20/22 21:37	12/22/22 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	12/20/22 21:37	12/22/22 14:27	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/20/22 21:37	12/22/22 14:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			12/22/22 15:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/14/22 12:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/14/22 00:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/14/22 00:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/14/22 00:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130	12/12/22 15:31	12/14/22 00:38	1
o-Terphenyl (Surr)	128		70 - 130	12/12/22 15:31	12/14/22 00:38	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1040		24.9	mg/Kg			12/19/22 23:05	5

Client Sample ID: S-19, 0.5-1

Lab Sample ID: 880-22534-10

Date Collected: 12/08/22 12:15

Matrix: Solid

Date Received: 12/09/22 08:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/20/22 21:37	12/22/22 14:48	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/20/22 21:37	12/22/22 14:48	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/20/22 21:37	12/22/22 14:48	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/20/22 21:37	12/22/22 14:48	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/20/22 21:37	12/22/22 14:48	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/20/22 21:37	12/22/22 14:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	12/20/22 21:37	12/22/22 14:48	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/20/22 21:37	12/22/22 14:48	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Client Sample ID: S-19, 0.5-1

Lab Sample ID: 880-22534-10

Date Collected: 12/08/22 12:15

Matrix: Solid

Date Received: 12/09/22 08:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/22/22 15:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/14/22 12:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/14/22 01:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/14/22 01:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/14/22 01:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	126		70 - 130			12/12/22 15:31	12/14/22 01:00	1
o-Terphenyl (Surr)	141	S1+	70 - 130			12/12/22 15:31	12/14/22 01:00	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	434		5.00	mg/Kg			12/18/22 18:59	1

Client Sample ID: S-20, 0-0.5

Lab Sample ID: 880-22534-11

Date Collected: 12/08/22 12:30

Matrix: Solid

Date Received: 12/09/22 08:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 17:00	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 17:00	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 17:00	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/20/22 21:37	12/22/22 17:00	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 17:00	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/20/22 21:37	12/22/22 17:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			12/20/22 21:37	12/22/22 17:00	1
1,4-Difluorobenzene (Surr)	93		70 - 130			12/20/22 21:37	12/22/22 17:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			12/22/22 20:06	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/14/22 12:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/14/22 01:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/14/22 01:44	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Client Sample ID: S-20, 0-0.5

Lab Sample ID: 880-22534-11

Date Collected: 12/08/22 12:30

Matrix: Solid

Date Received: 12/09/22 08:55

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/14/22 01:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	129		70 - 130			12/12/22 15:31	12/14/22 01:44	1
o-Terphenyl (Surr)	142	S1+	70 - 130			12/12/22 15:31	12/14/22 01:44	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	807	F1	5.01	mg/Kg			12/18/22 19:07	1

Client Sample ID: S-20, 0.5-1

Lab Sample ID: 880-22534-12

Date Collected: 12/08/22 12:45

Matrix: Solid

Date Received: 12/09/22 08:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		12/20/22 21:37	12/22/22 17:20	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/20/22 21:37	12/22/22 17:20	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/20/22 21:37	12/22/22 17:20	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		12/20/22 21:37	12/22/22 17:20	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/20/22 21:37	12/22/22 17:20	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		12/20/22 21:37	12/22/22 17:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130			12/20/22 21:37	12/22/22 17:20	1
1,4-Difluorobenzene (Surr)	78		70 - 130			12/20/22 21:37	12/22/22 17:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			12/22/22 20:06	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/14/22 12:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/14/22 02:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/14/22 02:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/14/22 02:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130			12/12/22 15:31	12/14/22 02:06	1
o-Terphenyl (Surr)	127		70 - 130			12/12/22 15:31	12/14/22 02:06	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1130		4.95	mg/Kg			12/18/22 19:28	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Client Sample ID: S-21, 0-0.5

Lab Sample ID: 880-22534-13

Date Collected: 12/08/22 13:00

Matrix: Solid

Date Received: 12/09/22 08:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/20/22 21:37	12/22/22 17:41	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/20/22 21:37	12/22/22 17:41	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/20/22 21:37	12/22/22 17:41	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/20/22 21:37	12/22/22 17:41	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/20/22 21:37	12/22/22 17:41	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/20/22 21:37	12/22/22 17:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	12/20/22 21:37	12/22/22 17:41	1
1,4-Difluorobenzene (Surr)	100		70 - 130	12/20/22 21:37	12/22/22 17:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/22/22 20:06	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/14/22 12:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/14/22 02:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/14/22 02:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/14/22 02:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	130		70 - 130	12/12/22 15:31	12/14/22 02:29	1
o-Terphenyl (Surr)	142	S1+	70 - 130	12/12/22 15:31	12/14/22 02:29	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99	mg/Kg			12/18/22 19:35	1

Client Sample ID: S-21, 0.5-1

Lab Sample ID: 880-22534-14

Date Collected: 12/08/22 13:15

Matrix: Solid

Date Received: 12/09/22 08:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		12/20/22 21:37	12/22/22 18:02	1
Toluene	<0.00198	U	0.00198	mg/Kg		12/20/22 21:37	12/22/22 18:02	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		12/20/22 21:37	12/22/22 18:02	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		12/20/22 21:37	12/22/22 18:02	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		12/20/22 21:37	12/22/22 18:02	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		12/20/22 21:37	12/22/22 18:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	12/20/22 21:37	12/22/22 18:02	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/20/22 21:37	12/22/22 18:02	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Client Sample ID: S-21, 0.5-1

Lab Sample ID: 880-22534-14

Date Collected: 12/08/22 13:15

Matrix: Solid

Date Received: 12/09/22 08:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			12/22/22 20:06	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/14/22 12:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/14/22 02:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/14/22 02:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/14/22 02:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	140	S1+	70 - 130			12/12/22 15:31	12/14/22 02:51	1
o-Terphenyl (Surr)	151	S1+	70 - 130			12/12/22 15:31	12/14/22 02:51	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	482		4.95	mg/Kg			12/18/22 19:57	1

Client Sample ID: S-22, 0-0.5

Lab Sample ID: 880-22534-15

Date Collected: 12/08/22 13:30

Matrix: Solid

Date Received: 12/09/22 08:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		12/20/22 21:37	12/22/22 18:23	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/20/22 21:37	12/22/22 18:23	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/20/22 21:37	12/22/22 18:23	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/20/22 21:37	12/22/22 18:23	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/20/22 21:37	12/22/22 18:23	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/20/22 21:37	12/22/22 18:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			12/20/22 21:37	12/22/22 18:23	1
1,4-Difluorobenzene (Surr)	101		70 - 130			12/20/22 21:37	12/22/22 18:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/22/22 20:06	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/14/22 12:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/14/22 03:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/14/22 03:14	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Client Sample ID: S-22, 0-0.5

Lab Sample ID: 880-22534-15

Date Collected: 12/08/22 13:30

Matrix: Solid

Date Received: 12/09/22 08:55

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/14/22 03:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	152	S1+	70 - 130			12/12/22 15:31	12/14/22 03:14	1
o-Terphenyl (Surr)	165	S1+	70 - 130			12/12/22 15:31	12/14/22 03:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	347		4.98	mg/Kg			12/18/22 20:04	1

Client Sample ID: S-23, 0-0.5

Lab Sample ID: 880-22534-16

Date Collected: 12/08/22 13:45

Matrix: Solid

Date Received: 12/09/22 08:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/20/22 21:37	12/22/22 18:43	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/20/22 21:37	12/22/22 18:43	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/20/22 21:37	12/22/22 18:43	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/20/22 21:37	12/22/22 18:43	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/20/22 21:37	12/22/22 18:43	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/20/22 21:37	12/22/22 18:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			12/20/22 21:37	12/22/22 18:43	1
1,4-Difluorobenzene (Surr)	101		70 - 130			12/20/22 21:37	12/22/22 18:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/22/22 20:06	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/14/22 12:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/14/22 03:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/14/22 03:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/14/22 03:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130			12/12/22 15:31	12/14/22 03:36	1
o-Terphenyl (Surr)	127		70 - 130			12/12/22 15:31	12/14/22 03:36	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	412		5.01	mg/Kg			12/18/22 20:12	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Client Sample ID: S-23, 0.5-1

Lab Sample ID: 880-22534-17

Date Collected: 12/08/22 14:00

Matrix: Solid

Date Received: 12/09/22 08:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		12/20/22 21:37	12/22/22 19:04	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/20/22 21:37	12/22/22 19:04	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/20/22 21:37	12/22/22 19:04	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		12/20/22 21:37	12/22/22 19:04	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/20/22 21:37	12/22/22 19:04	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		12/20/22 21:37	12/22/22 19:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	12/20/22 21:37	12/22/22 19:04	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/20/22 21:37	12/22/22 19:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			12/22/22 20:06	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/14/22 12:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/14/22 03:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/14/22 03:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/14/22 03:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130	12/12/22 15:31	12/14/22 03:59	1
o-Terphenyl (Surr)	130		70 - 130	12/12/22 15:31	12/14/22 03:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.8		5.00	mg/Kg			12/18/22 20:19	1

Client Sample ID: S-24, 0-0.5

Lab Sample ID: 880-22534-18

Date Collected: 12/08/22 14:15

Matrix: Solid

Date Received: 12/09/22 08:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 19:25	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 19:25	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 19:25	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/20/22 21:37	12/22/22 19:25	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 19:25	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/20/22 21:37	12/22/22 19:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	12/20/22 21:37	12/22/22 19:25	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/20/22 21:37	12/22/22 19:25	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Client Sample ID: S-24, 0-0.5

Lab Sample ID: 880-22534-18

Date Collected: 12/08/22 14:15

Matrix: Solid

Date Received: 12/09/22 08:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			12/22/22 20:06	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	135		50.0	mg/Kg			12/14/22 12:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/14/22 04:22	1
Diesel Range Organics (Over C10-C28)	135		50.0	mg/Kg		12/12/22 15:31	12/14/22 04:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/14/22 04:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130			12/12/22 15:31	12/14/22 04:22	1
o-Terphenyl (Surr)	125		70 - 130			12/12/22 15:31	12/14/22 04:22	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	246		4.99	mg/Kg			12/18/22 20:26	1

Client Sample ID: S-25, 0-0.5

Lab Sample ID: 880-22534-19

Date Collected: 12/08/22 14:30

Matrix: Solid

Date Received: 12/09/22 08:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		12/20/22 21:37	12/22/22 19:46	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/20/22 21:37	12/22/22 19:46	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/20/22 21:37	12/22/22 19:46	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		12/20/22 21:37	12/22/22 19:46	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/20/22 21:37	12/22/22 19:46	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		12/20/22 21:37	12/22/22 19:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			12/20/22 21:37	12/22/22 19:46	1
1,4-Difluorobenzene (Surr)	105		70 - 130			12/20/22 21:37	12/22/22 19:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			12/23/22 08:21	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	393		49.9	mg/Kg			12/14/22 12:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/14/22 04:45	1
Diesel Range Organics (Over C10-C28)	393		49.9	mg/Kg		12/12/22 15:31	12/14/22 04:45	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Client Sample ID: S-25, 0-0.5

Lab Sample ID: 880-22534-19

Date Collected: 12/08/22 14:30

Matrix: Solid

Date Received: 12/09/22 08:55

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/14/22 04:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130			12/12/22 15:31	12/14/22 04:45	1
o-Terphenyl (Surr)	129		70 - 130			12/12/22 15:31	12/14/22 04:45	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	680		4.96	mg/Kg			12/18/22 20:33	1

Client Sample ID: S-26, 0-0.5

Lab Sample ID: 880-22534-20

Date Collected: 12/08/22 14:45

Matrix: Solid

Date Received: 12/09/22 08:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 20:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 20:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 20:06	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/20/22 21:37	12/22/22 20:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 20:06	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/20/22 21:37	12/22/22 20:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			12/20/22 21:37	12/22/22 20:06	1
1,4-Difluorobenzene (Surr)	105		70 - 130			12/20/22 21:37	12/22/22 20:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			12/23/22 08:21	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/14/22 12:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/14/22 05:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/14/22 05:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/12/22 15:31	12/14/22 05:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130			12/12/22 15:31	12/14/22 05:08	1
o-Terphenyl (Surr)	118		70 - 130			12/12/22 15:31	12/14/22 05:08	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	652		5.03	mg/Kg			12/18/22 20:40	1

Eurofins Midland

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-22534-1	S-15, 0-0.5	109	91				
880-22534-1 MS	S-15, 0-0.5	105	90				
880-22534-1 MSD	S-15, 0-0.5	107	84				
880-22534-2	S-15, 0.5-1	117	99				
880-22534-3	S-16, 0-0.5	87	62 S1-				
880-22534-4	S-16, 0.5-1	116	94				
880-22534-5	S-17, 0-0.5	114	98				
880-22534-6	S-17, 0.5-1	114	96				
880-22534-7	S-18, 0-0.5	118	101				
880-22534-8	S-18, 0.5-1	122	100				
880-22534-9	S-19, 0-0.5	114	98				
880-22534-10	S-19, 0.5-1	113	98				
880-22534-11	S-20, 0-0.5	103	93				
880-22534-12	S-20, 0.5-1	82	78				
880-22534-13	S-21, 0-0.5	109	100				
880-22534-14	S-21, 0.5-1	110	105				
880-22534-15	S-22, 0-0.5	108	101				
880-22534-16	S-23, 0-0.5	108	101				
880-22534-17	S-23, 0.5-1	111	103				
880-22534-18	S-24, 0-0.5	110	105				
880-22534-19	S-25, 0-0.5	109	105				
880-22534-20	S-26, 0-0.5	104	105				
LCS 880-42358/1-A	Lab Control Sample	103	88				
LCSD 880-42358/2-A	Lab Control Sample Dup	104	88				
MB 880-42358/5-A	Method Blank	100	86				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-22534-1	S-15, 0-0.5	128	141 S1+				
880-22534-1 MS	S-15, 0-0.5	102	103				
880-22534-1 MSD	S-15, 0-0.5	103	103				
880-22534-2	S-15, 0.5-1	117	132 S1+				
880-22534-3	S-16, 0-0.5	139 S1+	154 S1+				
880-22534-4	S-16, 0.5-1	144 S1+	158 S1+				
880-22534-5	S-17, 0-0.5	116	133 S1+				
880-22534-6	S-17, 0.5-1	111	127				
880-22534-7	S-18, 0-0.5	118	133 S1+				
880-22534-8	S-18, 0.5-1	118	132 S1+				
880-22534-9	S-19, 0-0.5	113	128				
880-22534-10	S-19, 0.5-1	126	141 S1+				
880-22534-11	S-20, 0-0.5	129	142 S1+				
880-22534-12	S-20, 0.5-1	111	127				

Eurofins Midland

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-22534-13	S-21, 0-0.5	130	142 S1+
880-22534-14	S-21, 0.5-1	140 S1+	151 S1+
880-22534-15	S-22, 0-0.5	152 S1+	165 S1+
880-22534-16	S-23, 0-0.5	113	127
880-22534-17	S-23, 0.5-1	116	130
880-22534-18	S-24, 0-0.5	117	125
880-22534-19	S-25, 0-0.5	121	129
880-22534-20	S-26, 0-0.5	106	118
LCS 880-41663/2-A	Lab Control Sample	98	111
LCSD 880-41663/3-A	Lab Control Sample Dup	99	109
MB 880-41663/1-A	Method Blank	155 S1+	234 S1+

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-42358/5-A

Matrix: Solid

Analysis Batch: 42466

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42358

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 11:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 11:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 11:19	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/20/22 21:37	12/22/22 11:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:37	12/22/22 11:19	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/20/22 21:37	12/22/22 11:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	12/20/22 21:37	12/22/22 11:19	1
1,4-Difluorobenzene (Surr)	86		70 - 130	12/20/22 21:37	12/22/22 11:19	1

Lab Sample ID: LCS 880-42358/1-A

Matrix: Solid

Analysis Batch: 42466

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42358

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09232		mg/Kg		92	70 - 130
Toluene	0.100	0.09631		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09860		mg/Kg		99	70 - 130
m,p-Xylenes	0.200	0.2170		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1078		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: LCSD 880-42358/2-A

Matrix: Solid

Analysis Batch: 42466

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42358

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08729		mg/Kg		87	70 - 130	6	35
Toluene	0.100	0.09017		mg/Kg		90	70 - 130	7	35
Ethylbenzene	0.100	0.09283		mg/Kg		93	70 - 130	6	35
m,p-Xylenes	0.200	0.2055		mg/Kg		103	70 - 130	5	35
o-Xylene	0.100	0.1032		mg/Kg		103	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: 880-22534-1 MS

Matrix: Solid

Analysis Batch: 42466

Client Sample ID: S-15, 0-0.5

Prep Type: Total/NA

Prep Batch: 42358

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F1	0.101	0.07417		mg/Kg		74	70 - 130
Toluene	<0.00202	U	0.101	0.07660		mg/Kg		76	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliny Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-22534-1 MS

Matrix: Solid

Analysis Batch: 42466

Client Sample ID: S-15, 0-0.5

Prep Type: Total/NA

Prep Batch: 42358

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.101	0.07497		mg/Kg		74	70 - 130
m,p-Xylenes	<0.00403	U	0.202	0.1607		mg/Kg		80	70 - 130
o-Xylene	<0.00202	U	0.101	0.08185		mg/Kg		81	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 880-22534-1 MSD

Matrix: Solid

Analysis Batch: 42466

Client Sample ID: S-15, 0-0.5

Prep Type: Total/NA

Prep Batch: 42358

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F1	0.0996	0.06574	F1	mg/Kg		66	70 - 130	12	35
Toluene	<0.00202	U	0.0996	0.07066		mg/Kg		70	70 - 130	8	35
Ethylbenzene	<0.00202	U	0.0996	0.06984		mg/Kg		70	70 - 130	7	35
m,p-Xylenes	<0.00403	U	0.199	0.1519		mg/Kg		76	70 - 130	6	35
o-Xylene	<0.00202	U	0.0996	0.07806		mg/Kg		78	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-41663/1-A

Matrix: Solid

Analysis Batch: 41695

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41663

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/13/22 19:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/13/22 19:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 15:31	12/13/22 19:51	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	155	S1+	70 - 130	12/12/22 15:31	12/13/22 19:51	1
o-Terphenyl (Surr)	234	S1+	70 - 130	12/12/22 15:31	12/13/22 19:51	1

Lab Sample ID: LCS 880-41663/2-A

Matrix: Solid

Analysis Batch: 41695

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41663

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	866.5		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	921.2		mg/Kg		92	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-41663/2-A
Matrix: Solid
Analysis Batch: 41695

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41663

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	98		70 - 130
o-Terphenyl (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-41663/3-A
Matrix: Solid
Analysis Batch: 41695

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 41663

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	982.7		mg/Kg		98	70 - 130	13	20
Diesel Range Organics (Over C10-C28)			1000	919.4		mg/Kg		92	70 - 130	0	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	99		70 - 130
o-Terphenyl (Surr)	109		70 - 130

Lab Sample ID: 880-22534-1 MS
Matrix: Solid
Analysis Batch: 41695

Client Sample ID: S-15, 0-0.5
Prep Type: Total/NA
Prep Batch: 41663

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1017		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1163		mg/Kg		115	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	102		70 - 130
o-Terphenyl (Surr)	103		70 - 130

Lab Sample ID: 880-22534-1 MSD
Matrix: Solid
Analysis Batch: 41695

Client Sample ID: S-15, 0-0.5
Prep Type: Total/NA
Prep Batch: 41663

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1042		mg/Kg		101	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1168		mg/Kg		116	70 - 130	0	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	103		70 - 130
o-Terphenyl (Surr)	103		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-41480/1-A

Matrix: Solid

Analysis Batch: 42034

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			12/18/22 17:04	1

Lab Sample ID: LCS 880-41480/2-A

Matrix: Solid

Analysis Batch: 42034

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	264.1		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-41480/3-A

Matrix: Solid

Analysis Batch: 42034

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	264.4		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 880-22534-1 MS

Matrix: Solid

Analysis Batch: 42034

Client Sample ID: S-15, 0-0.5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1020		252	1030	4	mg/Kg		2	90 - 110

Lab Sample ID: 880-22534-1 MSD

Matrix: Solid

Analysis Batch: 42034

Client Sample ID: S-15, 0-0.5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1020		252	996.1	4	mg/Kg		-11	90 - 110	3	20

Lab Sample ID: 880-22534-11 MS

Matrix: Solid

Analysis Batch: 42034

Client Sample ID: S-20, 0-0.5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	807	F1	251	1111	F1	mg/Kg		122	90 - 110

Lab Sample ID: 880-22534-11 MSD

Matrix: Solid

Analysis Batch: 42034

Client Sample ID: S-20, 0-0.5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	807	F1	251	1110	F1	mg/Kg		121	90 - 110	0	20

Lab Sample ID: MB 880-41923/1-A

Matrix: Solid

Analysis Batch: 42049

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			12/19/22 21:05	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-41923/2-A					Client Sample ID: Lab Control Sample				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 42049									
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	235.6		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-41923/3-A					Client Sample ID: Lab Control Sample Dup				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 42049									
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	237.1		mg/Kg		95	90 - 110	1	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

GC VOA

Prep Batch: 42358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22534-1	S-15, 0-0.5	Total/NA	Solid	5035	
880-22534-2	S-15, 0.5-1	Total/NA	Solid	5035	
880-22534-3	S-16, 0-0.5	Total/NA	Solid	5035	
880-22534-4	S-16, 0.5-1	Total/NA	Solid	5035	
880-22534-5	S-17, 0-0.5	Total/NA	Solid	5035	
880-22534-6	S-17, 0.5-1	Total/NA	Solid	5035	
880-22534-7	S-18, 0-0.5	Total/NA	Solid	5035	
880-22534-8	S-18, 0.5-1	Total/NA	Solid	5035	
880-22534-9	S-19, 0-0.5	Total/NA	Solid	5035	
880-22534-10	S-19, 0.5-1	Total/NA	Solid	5035	
880-22534-11	S-20, 0-0.5	Total/NA	Solid	5035	
880-22534-12	S-20, 0.5-1	Total/NA	Solid	5035	
880-22534-13	S-21, 0-0.5	Total/NA	Solid	5035	
880-22534-14	S-21, 0.5-1	Total/NA	Solid	5035	
880-22534-15	S-22, 0-0.5	Total/NA	Solid	5035	
880-22534-16	S-23, 0-0.5	Total/NA	Solid	5035	
880-22534-17	S-23, 0.5-1	Total/NA	Solid	5035	
880-22534-18	S-24, 0-0.5	Total/NA	Solid	5035	
880-22534-19	S-25, 0-0.5	Total/NA	Solid	5035	
880-22534-20	S-26, 0-0.5	Total/NA	Solid	5035	
MB 880-42358/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42358/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42358/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22534-1 MS	S-15, 0-0.5	Total/NA	Solid	5035	
880-22534-1 MSD	S-15, 0-0.5	Total/NA	Solid	5035	

Analysis Batch: 42466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22534-1	S-15, 0-0.5	Total/NA	Solid	8021B	42358
880-22534-2	S-15, 0.5-1	Total/NA	Solid	8021B	42358
880-22534-3	S-16, 0-0.5	Total/NA	Solid	8021B	42358
880-22534-4	S-16, 0.5-1	Total/NA	Solid	8021B	42358
880-22534-5	S-17, 0-0.5	Total/NA	Solid	8021B	42358
880-22534-6	S-17, 0.5-1	Total/NA	Solid	8021B	42358
880-22534-7	S-18, 0-0.5	Total/NA	Solid	8021B	42358
880-22534-8	S-18, 0.5-1	Total/NA	Solid	8021B	42358
880-22534-9	S-19, 0-0.5	Total/NA	Solid	8021B	42358
880-22534-10	S-19, 0.5-1	Total/NA	Solid	8021B	42358
880-22534-11	S-20, 0-0.5	Total/NA	Solid	8021B	42358
880-22534-12	S-20, 0.5-1	Total/NA	Solid	8021B	42358
880-22534-13	S-21, 0-0.5	Total/NA	Solid	8021B	42358
880-22534-14	S-21, 0.5-1	Total/NA	Solid	8021B	42358
880-22534-15	S-22, 0-0.5	Total/NA	Solid	8021B	42358
880-22534-16	S-23, 0-0.5	Total/NA	Solid	8021B	42358
880-22534-17	S-23, 0.5-1	Total/NA	Solid	8021B	42358
880-22534-18	S-24, 0-0.5	Total/NA	Solid	8021B	42358
880-22534-19	S-25, 0-0.5	Total/NA	Solid	8021B	42358
880-22534-20	S-26, 0-0.5	Total/NA	Solid	8021B	42358
MB 880-42358/5-A	Method Blank	Total/NA	Solid	8021B	42358
LCS 880-42358/1-A	Lab Control Sample	Total/NA	Solid	8021B	42358
LCSD 880-42358/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42358

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

GC VOA (Continued)

Analysis Batch: 42466 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22534-1 MS	S-15, 0-0.5	Total/NA	Solid	8021B	42358
880-22534-1 MSD	S-15, 0-0.5	Total/NA	Solid	8021B	42358

Analysis Batch: 42551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22534-1	S-15, 0-0.5	Total/NA	Solid	Total BTEX	
880-22534-2	S-15, 0.5-1	Total/NA	Solid	Total BTEX	
880-22534-3	S-16, 0-0.5	Total/NA	Solid	Total BTEX	
880-22534-4	S-16, 0.5-1	Total/NA	Solid	Total BTEX	
880-22534-5	S-17, 0-0.5	Total/NA	Solid	Total BTEX	
880-22534-6	S-17, 0.5-1	Total/NA	Solid	Total BTEX	
880-22534-7	S-18, 0-0.5	Total/NA	Solid	Total BTEX	
880-22534-8	S-18, 0.5-1	Total/NA	Solid	Total BTEX	
880-22534-9	S-19, 0-0.5	Total/NA	Solid	Total BTEX	
880-22534-10	S-19, 0.5-1	Total/NA	Solid	Total BTEX	
880-22534-11	S-20, 0-0.5	Total/NA	Solid	Total BTEX	
880-22534-12	S-20, 0.5-1	Total/NA	Solid	Total BTEX	
880-22534-13	S-21, 0-0.5	Total/NA	Solid	Total BTEX	
880-22534-14	S-21, 0.5-1	Total/NA	Solid	Total BTEX	
880-22534-15	S-22, 0-0.5	Total/NA	Solid	Total BTEX	
880-22534-16	S-23, 0-0.5	Total/NA	Solid	Total BTEX	
880-22534-17	S-23, 0.5-1	Total/NA	Solid	Total BTEX	
880-22534-18	S-24, 0-0.5	Total/NA	Solid	Total BTEX	
880-22534-19	S-25, 0-0.5	Total/NA	Solid	Total BTEX	
880-22534-20	S-26, 0-0.5	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 41663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22534-1	S-15, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22534-2	S-15, 0.5-1	Total/NA	Solid	8015NM Prep	
880-22534-3	S-16, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22534-4	S-16, 0.5-1	Total/NA	Solid	8015NM Prep	
880-22534-5	S-17, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22534-6	S-17, 0.5-1	Total/NA	Solid	8015NM Prep	
880-22534-7	S-18, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22534-8	S-18, 0.5-1	Total/NA	Solid	8015NM Prep	
880-22534-9	S-19, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22534-10	S-19, 0.5-1	Total/NA	Solid	8015NM Prep	
880-22534-11	S-20, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22534-12	S-20, 0.5-1	Total/NA	Solid	8015NM Prep	
880-22534-13	S-21, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22534-14	S-21, 0.5-1	Total/NA	Solid	8015NM Prep	
880-22534-15	S-22, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22534-16	S-23, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22534-17	S-23, 0.5-1	Total/NA	Solid	8015NM Prep	
880-22534-18	S-24, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22534-19	S-25, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22534-20	S-26, 0-0.5	Total/NA	Solid	8015NM Prep	
MB 880-41663/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

GC Semi VOA (Continued)

Prep Batch: 41663 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-41663/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41663/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22534-1 MS	S-15, 0-0.5	Total/NA	Solid	8015NM Prep	
880-22534-1 MSD	S-15, 0-0.5	Total/NA	Solid	8015NM Prep	

Analysis Batch: 41695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22534-1	S-15, 0-0.5	Total/NA	Solid	8015B NM	41663
880-22534-2	S-15, 0.5-1	Total/NA	Solid	8015B NM	41663
880-22534-3	S-16, 0-0.5	Total/NA	Solid	8015B NM	41663
880-22534-4	S-16, 0.5-1	Total/NA	Solid	8015B NM	41663
880-22534-5	S-17, 0-0.5	Total/NA	Solid	8015B NM	41663
880-22534-6	S-17, 0.5-1	Total/NA	Solid	8015B NM	41663
880-22534-7	S-18, 0-0.5	Total/NA	Solid	8015B NM	41663
880-22534-8	S-18, 0.5-1	Total/NA	Solid	8015B NM	41663
880-22534-9	S-19, 0-0.5	Total/NA	Solid	8015B NM	41663
880-22534-10	S-19, 0.5-1	Total/NA	Solid	8015B NM	41663
880-22534-11	S-20, 0-0.5	Total/NA	Solid	8015B NM	41663
880-22534-12	S-20, 0.5-1	Total/NA	Solid	8015B NM	41663
880-22534-13	S-21, 0-0.5	Total/NA	Solid	8015B NM	41663
880-22534-14	S-21, 0.5-1	Total/NA	Solid	8015B NM	41663
880-22534-15	S-22, 0-0.5	Total/NA	Solid	8015B NM	41663
880-22534-16	S-23, 0-0.5	Total/NA	Solid	8015B NM	41663
880-22534-17	S-23, 0.5-1	Total/NA	Solid	8015B NM	41663
880-22534-18	S-24, 0-0.5	Total/NA	Solid	8015B NM	41663
880-22534-19	S-25, 0-0.5	Total/NA	Solid	8015B NM	41663
880-22534-20	S-26, 0-0.5	Total/NA	Solid	8015B NM	41663
MB 880-41663/1-A	Method Blank	Total/NA	Solid	8015B NM	41663
LCS 880-41663/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41663
LCSD 880-41663/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41663
880-22534-1 MS	S-15, 0-0.5	Total/NA	Solid	8015B NM	41663
880-22534-1 MSD	S-15, 0-0.5	Total/NA	Solid	8015B NM	41663

Analysis Batch: 41818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22534-1	S-15, 0-0.5	Total/NA	Solid	8015 NM	
880-22534-2	S-15, 0.5-1	Total/NA	Solid	8015 NM	
880-22534-3	S-16, 0-0.5	Total/NA	Solid	8015 NM	
880-22534-4	S-16, 0.5-1	Total/NA	Solid	8015 NM	
880-22534-5	S-17, 0-0.5	Total/NA	Solid	8015 NM	
880-22534-6	S-17, 0.5-1	Total/NA	Solid	8015 NM	
880-22534-7	S-18, 0-0.5	Total/NA	Solid	8015 NM	
880-22534-8	S-18, 0.5-1	Total/NA	Solid	8015 NM	
880-22534-9	S-19, 0-0.5	Total/NA	Solid	8015 NM	
880-22534-10	S-19, 0.5-1	Total/NA	Solid	8015 NM	
880-22534-11	S-20, 0-0.5	Total/NA	Solid	8015 NM	
880-22534-12	S-20, 0.5-1	Total/NA	Solid	8015 NM	
880-22534-13	S-21, 0-0.5	Total/NA	Solid	8015 NM	
880-22534-14	S-21, 0.5-1	Total/NA	Solid	8015 NM	
880-22534-15	S-22, 0-0.5	Total/NA	Solid	8015 NM	
880-22534-16	S-23, 0-0.5	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

GC Semi VOA (Continued)

Analysis Batch: 41818 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22534-17	S-23, 0.5-1	Total/NA	Solid	8015 NM	
880-22534-18	S-24, 0-0.5	Total/NA	Solid	8015 NM	
880-22534-19	S-25, 0-0.5	Total/NA	Solid	8015 NM	
880-22534-20	S-26, 0-0.5	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 41480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22534-1	S-15, 0-0.5	Soluble	Solid	DI Leach	
880-22534-2	S-15, 0.5-1	Soluble	Solid	DI Leach	
880-22534-3	S-16, 0-0.5	Soluble	Solid	DI Leach	
880-22534-4	S-16, 0.5-1	Soluble	Solid	DI Leach	
880-22534-5	S-17, 0-0.5	Soluble	Solid	DI Leach	
880-22534-6	S-17, 0.5-1	Soluble	Solid	DI Leach	
880-22534-7	S-18, 0-0.5	Soluble	Solid	DI Leach	
880-22534-8	S-18, 0.5-1	Soluble	Solid	DI Leach	
880-22534-10	S-19, 0.5-1	Soluble	Solid	DI Leach	
880-22534-11	S-20, 0-0.5	Soluble	Solid	DI Leach	
880-22534-12	S-20, 0.5-1	Soluble	Solid	DI Leach	
880-22534-13	S-21, 0-0.5	Soluble	Solid	DI Leach	
880-22534-14	S-21, 0.5-1	Soluble	Solid	DI Leach	
880-22534-15	S-22, 0-0.5	Soluble	Solid	DI Leach	
880-22534-16	S-23, 0-0.5	Soluble	Solid	DI Leach	
880-22534-17	S-23, 0.5-1	Soluble	Solid	DI Leach	
880-22534-18	S-24, 0-0.5	Soluble	Solid	DI Leach	
880-22534-19	S-25, 0-0.5	Soluble	Solid	DI Leach	
880-22534-20	S-26, 0-0.5	Soluble	Solid	DI Leach	
MB 880-41480/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41480/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41480/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22534-1 MS	S-15, 0-0.5	Soluble	Solid	DI Leach	
880-22534-1 MSD	S-15, 0-0.5	Soluble	Solid	DI Leach	
880-22534-11 MS	S-20, 0-0.5	Soluble	Solid	DI Leach	
880-22534-11 MSD	S-20, 0-0.5	Soluble	Solid	DI Leach	

Leach Batch: 41923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22534-9	S-19, 0-0.5	Soluble	Solid	DI Leach	
MB 880-41923/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41923/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41923/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 42034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22534-1	S-15, 0-0.5	Soluble	Solid	300.0	41480
880-22534-2	S-15, 0.5-1	Soluble	Solid	300.0	41480
880-22534-3	S-16, 0-0.5	Soluble	Solid	300.0	41480
880-22534-4	S-16, 0.5-1	Soluble	Solid	300.0	41480
880-22534-5	S-17, 0-0.5	Soluble	Solid	300.0	41480
880-22534-6	S-17, 0.5-1	Soluble	Solid	300.0	41480

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

HPLC/IC (Continued)

Analysis Batch: 42034 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22534-7	S-18, 0-0.5	Soluble	Solid	300.0	41480
880-22534-8	S-18, 0.5-1	Soluble	Solid	300.0	41480
880-22534-10	S-19, 0.5-1	Soluble	Solid	300.0	41480
880-22534-11	S-20, 0-0.5	Soluble	Solid	300.0	41480
880-22534-12	S-20, 0.5-1	Soluble	Solid	300.0	41480
880-22534-13	S-21, 0-0.5	Soluble	Solid	300.0	41480
880-22534-14	S-21, 0.5-1	Soluble	Solid	300.0	41480
880-22534-15	S-22, 0-0.5	Soluble	Solid	300.0	41480
880-22534-16	S-23, 0-0.5	Soluble	Solid	300.0	41480
880-22534-17	S-23, 0.5-1	Soluble	Solid	300.0	41480
880-22534-18	S-24, 0-0.5	Soluble	Solid	300.0	41480
880-22534-19	S-25, 0-0.5	Soluble	Solid	300.0	41480
880-22534-20	S-26, 0-0.5	Soluble	Solid	300.0	41480
MB 880-41480/1-A	Method Blank	Soluble	Solid	300.0	41480
LCS 880-41480/2-A	Lab Control Sample	Soluble	Solid	300.0	41480
LCSD 880-41480/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41480
880-22534-1 MS	S-15, 0-0.5	Soluble	Solid	300.0	41480
880-22534-1 MSD	S-15, 0-0.5	Soluble	Solid	300.0	41480
880-22534-11 MS	S-20, 0-0.5	Soluble	Solid	300.0	41480
880-22534-11 MSD	S-20, 0-0.5	Soluble	Solid	300.0	41480

Analysis Batch: 42049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22534-9	S-19, 0-0.5	Soluble	Solid	300.0	41923
MB 880-41923/1-A	Method Blank	Soluble	Solid	300.0	41923
LCS 880-41923/2-A	Lab Control Sample	Soluble	Solid	300.0	41923
LCSD 880-41923/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41923

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Client Sample ID: S-15, 0-0.5

Lab Sample ID: 880-22534-1

Date Collected: 12/08/22 10:00

Matrix: Solid

Date Received: 12/09/22 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	42358	12/20/22 21:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/22/22 11:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42551	12/22/22 15:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			41818	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41663	12/12/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 20:58	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	41480	12/09/22 13:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42034	12/18/22 17:26	CH	EET MID

Client Sample ID: S-15, 0.5-1

Lab Sample ID: 880-22534-2

Date Collected: 12/08/22 10:15

Matrix: Solid

Date Received: 12/09/22 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42358	12/20/22 21:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/22/22 12:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42551	12/22/22 15:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			41818	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41663	12/12/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 22:04	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41480	12/09/22 13:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42034	12/18/22 17:47	CH	EET MID

Client Sample ID: S-16, 0-0.5

Lab Sample ID: 880-22534-3

Date Collected: 12/08/22 10:30

Matrix: Solid

Date Received: 12/09/22 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	42358	12/20/22 21:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/22/22 12:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42551	12/22/22 15:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			41818	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41663	12/12/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 22:26	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	41480	12/09/22 13:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42034	12/18/22 17:54	CH	EET MID

Client Sample ID: S-16, 0.5-1

Lab Sample ID: 880-22534-4

Date Collected: 12/08/22 10:45

Matrix: Solid

Date Received: 12/09/22 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	42358	12/20/22 21:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/22/22 12:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42551	12/22/22 15:48	SM	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Client Sample ID: S-16, 0.5-1**Lab Sample ID: 880-22534-4****Date Collected: 12/08/22 10:45****Matrix: Solid****Date Received: 12/09/22 08:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			41818	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41663	12/12/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 22:48	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	41480	12/09/22 13:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42034	12/18/22 18:02	CH	EET MID

Client Sample ID: S-17, 0-0.5**Lab Sample ID: 880-22534-5****Date Collected: 12/08/22 11:00****Matrix: Solid****Date Received: 12/09/22 08:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42358	12/20/22 21:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/22/22 13:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42551	12/22/22 15:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			41818	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41663	12/12/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 23:10	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	41480	12/09/22 13:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42034	12/18/22 18:09	CH	EET MID

Client Sample ID: S-17, 0.5-1**Lab Sample ID: 880-22534-6****Date Collected: 12/08/22 11:15****Matrix: Solid****Date Received: 12/09/22 08:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	42358	12/20/22 21:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/22/22 13:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42551	12/22/22 15:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			41818	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41663	12/12/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 23:32	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	41480	12/09/22 13:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42034	12/18/22 18:30	CH	EET MID

Client Sample ID: S-18, 0-0.5**Lab Sample ID: 880-22534-7****Date Collected: 12/08/22 11:30****Matrix: Solid****Date Received: 12/09/22 08:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	42358	12/20/22 21:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/22/22 13:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42551	12/22/22 15:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			41818	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41663	12/12/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 23:54	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Client Sample ID: S-18, 0-0.5**Lab Sample ID: 880-22534-7****Date Collected: 12/08/22 11:30****Matrix: Solid****Date Received: 12/09/22 08:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	41480	12/09/22 13:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42034	12/18/22 18:38	CH	EET MID

Client Sample ID: S-18, 0.5-1**Lab Sample ID: 880-22534-8****Date Collected: 12/08/22 11:45****Matrix: Solid****Date Received: 12/09/22 08:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	42358	12/20/22 21:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/22/22 14:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42551	12/22/22 15:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			41818	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41663	12/12/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/14/22 00:16	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	41480	12/09/22 13:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42034	12/18/22 18:45	CH	EET MID

Client Sample ID: S-19, 0-0.5**Lab Sample ID: 880-22534-9****Date Collected: 12/08/22 12:00****Matrix: Solid****Date Received: 12/09/22 08:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42358	12/20/22 21:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/22/22 14:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42551	12/22/22 15:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			41818	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41663	12/12/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/14/22 00:38	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	41923	12/15/22 14:14	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	42049	12/19/22 23:05	CH	EET MID

Client Sample ID: S-19, 0.5-1**Lab Sample ID: 880-22534-10****Date Collected: 12/08/22 12:15****Matrix: Solid****Date Received: 12/09/22 08:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42358	12/20/22 21:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/22/22 14:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42551	12/22/22 15:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			41818	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41663	12/12/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/14/22 01:00	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41480	12/09/22 13:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42034	12/18/22 18:59	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Client Sample ID: S-20, 0-0.5

Lab Sample ID: 880-22534-11

Date Collected: 12/08/22 12:30

Matrix: Solid

Date Received: 12/09/22 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42358	12/20/22 21:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/22/22 17:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42551	12/22/22 20:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			41818	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41663	12/12/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/14/22 01:44	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	41480	12/09/22 13:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42034	12/18/22 19:07	CH	EET MID

Client Sample ID: S-20, 0.5-1

Lab Sample ID: 880-22534-12

Date Collected: 12/08/22 12:45

Matrix: Solid

Date Received: 12/09/22 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	42358	12/20/22 21:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/22/22 17:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42551	12/22/22 20:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			41818	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41663	12/12/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/14/22 02:06	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	41480	12/09/22 13:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42034	12/18/22 19:28	CH	EET MID

Client Sample ID: S-21, 0-0.5

Lab Sample ID: 880-22534-13

Date Collected: 12/08/22 13:00

Matrix: Solid

Date Received: 12/09/22 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42358	12/20/22 21:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/22/22 17:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42551	12/22/22 20:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			41818	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41663	12/12/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/14/22 02:29	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	41480	12/09/22 13:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42034	12/18/22 19:35	CH	EET MID

Client Sample ID: S-21, 0.5-1

Lab Sample ID: 880-22534-14

Date Collected: 12/08/22 13:15

Matrix: Solid

Date Received: 12/09/22 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	42358	12/20/22 21:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/22/22 18:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42551	12/22/22 20:06	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Client Sample ID: S-21, 0.5-1**Lab Sample ID: 880-22534-14****Date Collected: 12/08/22 13:15****Matrix: Solid****Date Received: 12/09/22 08:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			41818	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41663	12/12/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/14/22 02:51	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	41480	12/09/22 13:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42034	12/18/22 19:57	CH	EET MID

Client Sample ID: S-22, 0-0.5**Lab Sample ID: 880-22534-15****Date Collected: 12/08/22 13:30****Matrix: Solid****Date Received: 12/09/22 08:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	42358	12/20/22 21:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/22/22 18:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42551	12/22/22 20:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			41818	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41663	12/12/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/14/22 03:14	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41480	12/09/22 13:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42034	12/18/22 20:04	CH	EET MID

Client Sample ID: S-23, 0-0.5**Lab Sample ID: 880-22534-16****Date Collected: 12/08/22 13:45****Matrix: Solid****Date Received: 12/09/22 08:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42358	12/20/22 21:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/22/22 18:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42551	12/22/22 20:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			41818	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41663	12/12/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/14/22 03:36	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	41480	12/09/22 13:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42034	12/18/22 20:12	CH	EET MID

Client Sample ID: S-23, 0.5-1**Lab Sample ID: 880-22534-17****Date Collected: 12/08/22 14:00****Matrix: Solid****Date Received: 12/09/22 08:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	42358	12/20/22 21:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/22/22 19:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42551	12/22/22 20:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			41818	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41663	12/12/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/14/22 03:59	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Client Sample ID: S-23, 0.5-1**Lab Sample ID: 880-22534-17****Date Collected: 12/08/22 14:00****Matrix: Solid****Date Received: 12/09/22 08:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	41480	12/09/22 13:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42034	12/18/22 20:19	CH	EET MID

Client Sample ID: S-24, 0-0.5**Lab Sample ID: 880-22534-18****Date Collected: 12/08/22 14:15****Matrix: Solid****Date Received: 12/09/22 08:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42358	12/20/22 21:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/22/22 19:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42551	12/22/22 20:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			41818	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41663	12/12/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/14/22 04:22	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	41480	12/09/22 13:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42034	12/18/22 20:26	CH	EET MID

Client Sample ID: S-25, 0-0.5**Lab Sample ID: 880-22534-19****Date Collected: 12/08/22 14:30****Matrix: Solid****Date Received: 12/09/22 08:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	42358	12/20/22 21:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/22/22 19:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42551	12/23/22 08:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			41818	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41663	12/12/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/14/22 04:45	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	41480	12/09/22 13:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42034	12/18/22 20:33	CH	EET MID

Client Sample ID: S-26, 0-0.5**Lab Sample ID: 880-22534-20****Date Collected: 12/08/22 14:45****Matrix: Solid****Date Received: 12/09/22 08:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	42358	12/20/22 21:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/22/22 20:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42551	12/23/22 08:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			41818	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41663	12/12/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/14/22 05:08	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	41480	12/09/22 13:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42034	12/18/22 20:40	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
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- 14

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-22534-1
SDG: 22-0107-02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-22534-1	S-15, 0-0.5	Solid	12/08/22 10:00	12/09/22 08:55
880-22534-2	S-15, 0.5-1	Solid	12/08/22 10:15	12/09/22 08:55
880-22534-3	S-16, 0-0.5	Solid	12/08/22 10:30	12/09/22 08:55
880-22534-4	S-16, 0.5-1	Solid	12/08/22 10:45	12/09/22 08:55
880-22534-5	S-17, 0-0.5	Solid	12/08/22 11:00	12/09/22 08:55
880-22534-6	S-17, 0.5-1	Solid	12/08/22 11:15	12/09/22 08:55
880-22534-7	S-18, 0-0.5	Solid	12/08/22 11:30	12/09/22 08:55
880-22534-8	S-18, 0.5-1	Solid	12/08/22 11:45	12/09/22 08:55
880-22534-9	S-19, 0-0.5	Solid	12/08/22 12:00	12/09/22 08:55
880-22534-10	S-19, 0.5-1	Solid	12/08/22 12:15	12/09/22 08:55
880-22534-11	S-20, 0-0.5	Solid	12/08/22 12:30	12/09/22 08:55
880-22534-12	S-20, 0.5-1	Solid	12/08/22 12:45	12/09/22 08:55
880-22534-13	S-21, 0-0.5	Solid	12/08/22 13:00	12/09/22 08:55
880-22534-14	S-21, 0.5-1	Solid	12/08/22 13:15	12/09/22 08:55
880-22534-15	S-22, 0-0.5	Solid	12/08/22 13:30	12/09/22 08:55
880-22534-16	S-23, 0-0.5	Solid	12/08/22 13:45	12/09/22 08:55
880-22534-17	S-23, 0.5-1	Solid	12/08/22 14:00	12/09/22 08:55
880-22534-18	S-24, 0-0.5	Solid	12/08/22 14:15	12/09/22 08:55
880-22534-19	S-25, 0-0.5	Solid	12/08/22 14:30	12/09/22 08:55
880-22534-20	S-26, 0-0.5	Solid	12/08/22 14:45	12/09/22 08:55

22534

No. 2435

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants

507 N Marienfeld, Ste 202
Midland, TX 79701
432-687-0901

DATE 12/19/2022 PAGE 2 OF 2

PO# _____ LAB WORK ORDER# _____

PROJECT LOCATION OR NAME Pliny ElderLAI PROJECT #: 22-0107-01 COLLECTOR: JA & AB

Data Reported to

TRRP report?

☐ Yes ☒ No

S=SOIL
W=WATER
A=AIR

P=PAINT
SL=SLUDGE
OT=OTHER

TIME ZONE
Time zone/State

MST / NM

Field
Sample I D

Lab #

Date

Time

Matrix

of Containers

PRESERVATION

HCl

HNO₃H₂SO₄ ☐ NaOH ☐

ICE

UNPRESERVED

ANALYSES

BTEX ☒ MTBE ☐
TRPH 418 ☐ TPH 1005 ☐ TPH 1006 ☐
GASOLINE MOD 8015 ☒
DIESEL MOD 8015 ☒
OIL MOD 8015 ☒
VOC 8260 ☐
SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐
8081 PESTICIDES ☐ 8161 HERBICIDES ☐
TCLP - METALS (RCRA) ☐ TCLP VOC ☐
TCLP - PEST ☐ HERB ☐ OTHER LIST ☐
TOTAL METALS (RCRA) ☐ DW 200.8 ☐ TCLP ☐
LEAD - TOTAL ☐ FLASHPOINT ☐
RCI ☐ TOX ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐
PH ☐ HEXAVALENT CHROMIUM ☐
EXPLOSIVES ☐ PETCHLORATE ☐
CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐

FIELD NOTES

S-23, 0-0.512/8/221345S1XXXXXXXXXXXXXXXXXXXXXXXXXXXXXS-23, 0.5-1114001111111111111111111111111111111S-24, 0-0.5114151111111111111111111111111111111S-25, 0-0.5114301111111111111111111111111111111S-26, 0-0.5114451111111111111111111111111111111

TOTAL

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

LABORATORY

Xenco

TURN AROUND TIME

NORMAL ☒1 DAY ☐2 DAY ☐OTHER ☐

LABORATORY USE ONLY:

RECEIVING TEMP _____ THERM# _____

CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED☐ CARRIER BILL # _____☐ HAND DELIVERED

Loc: 880

22534

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-22534-1

SDG Number: 22-0107-02

Login Number: 22534

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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 containers received 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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing

- 1
- 2
- 3
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- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
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- 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Mark J Larson
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Generated 2/1/2023 12:55:18 PM Revision 1

JOB DESCRIPTION

Pliney Elder
SDG NUMBER 22-0107-02

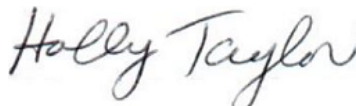
JOB NUMBER

880-23720-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland**Job Notes**

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated
2/1/2023 12:55:18 PM
Revision 1

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Laboratory Job ID: 880-23720-1
SDG: 22-0107-02

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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.
¤	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
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)

Eurofins Midland

Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Job ID: 880-23720-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-23720-1

Revision

The report being provided is a revision of the original report sent on 1/30/2023. The report (revision 1) is being revised to change sample IDs per Robert Nelson (email).

Receipt

The samples were received on 1/16/2023 11:55 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 was 5.3° C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S20 1' (880-23720-1), S20 3' (880-23720-2), S20 5' (880-23720-3), S20 10' (880-23720-4), S20 13' (880-23720-5), S26 1' (880-23720-6), S26 3' (880-23720-7), S26 5' (880-23720-8), S26 10' (880-23720-9), S25 1' (880-23720-10), S25 3' (880-23720-11), S25 5' (880-23720-12), S25 10' (880-23720-13), S24 1' (880-23720-14), S24 3' (880-23720-15), S24 6' (880-23720-16), S15 1' (880-23720-17), S15 3' (880-23720-18), S15 5' (880-23720-19), S15 10' (880-23720-20), S4 1' (880-23720-21), S4 3' (880-23720-22), S4 5' (880-23720-23), S4 6' (880-23720-24), S5 1' (880-23720-25), S5 3' (880-23720-26), S5 5' (880-23720-27), S5 10' (880-23720-28), S11 1' (880-23720-29), S11 3' (880-23720-30), S11 5' (880-23720-31), S11 6' (880-23720-32), S9 1' (880-23720-33), S9 3' (880-23720-34), S9 5' (880-23720-35), S10 1' (880-23720-36), S10 3' (880-23720-37), S10 5' (880-23720-38), S10 7' (880-23720-39), S27 1' (880-23720-40), S27 3' (880-23720-41), S27 5' (880-23720-42), S28 1' (880-23720-43), S28 3' (880-23720-44), S28 5' (880-23720-45), S28 7' (880-23720-46), S29 1' (880-23720-47), S29 3' (880-23720-48), S29 5' (880-23720-49), S29 7' (880-23720-50), S30 1' (880-23720-51), S30 3' (880-23720-52), S30 5' (880-23720-53), S30 7' (880-23720-54), S31 1' (880-23720-55), S31 3' (880-23720-56), S31 5' (880-23720-57), S31 6.5' (880-23720-58), S32 1' (880-23720-59), S32 3' (880-23720-60), S32 5' (880-23720-61), S32 10' (880-23720-62), S33 1' (880-23720-63), S33 3' (880-23720-64), S33 5' (880-23720-65), S33 10' (880-23720-66), S37 1' (880-23720-67), S37 3' (880-23720-68), S37 5' (880-23720-69), S37 7' (880-23720-70) and West (880-23720-71).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-44340 and 880-44342 and analytical batch 880-44418 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S28 7' (880-23720-46) and S30 3' (880-23720-52). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S20 5' (880-23720-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S26 1' (880-23720-6), S24 3' (880-23720-15), S15 5' (880-23720-19) and S15 10' (880-23720-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44339 and analytical batch 880-44420 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-44420 recovered above the upper control limit for Benzene, Toluene, Ethylbenzene, m,p-Xylenes and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-44420/33).

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

GC Semi VOA

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-44313/2-A). Evidence of matrix

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Job ID: 880-23720-1 (Continued)

Laboratory: Eurofins Midland (Continued)

interferences is not obvious.

Method 8015B NM: The method blank for preparation batch 880-44313 and analytical batch 880-44307 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015B NM: The CCV was biased low, however another sample was analyzed in the 12 hours and was acceptable, therefore the data was qualified and reported.
(CCV 880-44519/47)

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-44284 and analytical batch 880-44896 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015B NM: The continuing calibration verification (CCV) associated with batch 880-44896 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-44896/48).

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: S28 5' (880-23720-45), S29 1' (880-23720-47), S29 3' (880-23720-48), S30 7' (880-23720-54), S31 3' (880-23720-56), S31 6.5' (880-23720-58), (LCS 880-44284/2-A) and (MB 880-44284/1-A). Evidence of matrix interferences is not obvious.

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

General Chemistry

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44242 and analytical batch 880-44495 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44241 and 880-44241 and analytical batch 880-44476 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44243 and 880-44243 and analytical batch 880-44496 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Organic Prep

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

VOA Prep

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S20 1'

Date Collected: 01/12/23 12:30

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-1

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U F1	0.00202	mg/Kg		01/19/23 13:11	01/20/23 12:56	1
Toluene	<0.00202	U F1	0.00202	mg/Kg		01/19/23 13:11	01/20/23 12:56	1
Ethylbenzene	<0.00202	U F1	0.00202	mg/Kg		01/19/23 13:11	01/20/23 12:56	1
m,p-Xylenes	<0.00403	U F1	0.00403	mg/Kg		01/19/23 13:11	01/20/23 12:56	1
o-Xylene	<0.00202	U F1 F2	0.00202	mg/Kg		01/19/23 13:11	01/20/23 12:56	1
Xylenes, Total	<0.00403	U F1 F2	0.00403	mg/Kg		01/19/23 13:11	01/20/23 12:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	01/19/23 13:11	01/20/23 12:56	1
1,4-Difluorobenzene (Surr)	86		70 - 130	01/19/23 13:11	01/20/23 12:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			01/23/23 15:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	210		49.9	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 13:07	1
Diesel Range Organics (Over C10-C28)	210	F1	49.9	mg/Kg		01/18/23 14:39	01/23/23 13:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 13:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130	01/18/23 14:39	01/23/23 13:07	1
o-Terphenyl (Surr)	119		70 - 130	01/18/23 14:39	01/23/23 13:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2010	F1	25.1	mg/Kg			01/20/23 14:06	5

Client Sample ID: S20 3'

Date Collected: 01/12/23 12:35

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-2

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 13:22	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 13:22	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 13:22	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:11	01/20/23 13:22	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 13:22	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:11	01/20/23 13:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	01/19/23 13:11	01/20/23 13:22	1
1,4-Difluorobenzene (Surr)	91		70 - 130	01/19/23 13:11	01/20/23 13:22	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S20 3'

Lab Sample ID: 880-23720-2

Date Collected: 01/12/23 12:35

Matrix: Solid

Date Received: 01/16/23 11:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 15:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/18/23 14:39	01/23/23 14:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/18/23 14:39	01/23/23 14:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/18/23 14:39	01/23/23 14:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	86		70 - 130			01/18/23 14:39	01/23/23 14:14	1
o-Terphenyl (Surr)	91		70 - 130			01/18/23 14:39	01/23/23 14:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1140		4.97	mg/Kg			01/20/23 14:25	1

Client Sample ID: S20 5'

Lab Sample ID: 880-23720-3

Date Collected: 01/12/23 12:40

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 13:49	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 13:49	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 13:49	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:11	01/20/23 13:49	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 13:49	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:11	01/20/23 13:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130			01/19/23 13:11	01/20/23 13:49	1
1,4-Difluorobenzene (Surr)	95		70 - 130			01/19/23 13:11	01/20/23 13:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 15:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 14:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 14:37	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S20 5'

Date Collected: 01/12/23 12:40

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-3

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 14:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	75		70 - 130			01/18/23 14:39	01/23/23 14:37	1
o-Terphenyl (Surr)	76		70 - 130			01/18/23 14:39	01/23/23 14:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1870		25.0	mg/Kg			01/20/23 14:31	5

Client Sample ID: S20 10'

Date Collected: 01/12/23 12:45

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-4

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 14:15	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 14:15	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 14:15	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:11	01/20/23 14:15	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 14:15	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:11	01/20/23 14:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130			01/19/23 13:11	01/20/23 14:15	1
1,4-Difluorobenzene (Surr)	73		70 - 130			01/19/23 13:11	01/20/23 14:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/20/23 14:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/18/23 14:39	01/23/23 15:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/18/23 14:39	01/23/23 15:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/18/23 14:39	01/23/23 15:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	40	S1-	70 - 130			01/18/23 14:39	01/23/23 15:00	1
o-Terphenyl (Surr)	35	S1-	70 - 130			01/18/23 14:39	01/23/23 15:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	757		5.05	mg/Kg			01/20/23 14:37	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S20 13'

Lab Sample ID: 880-23720-5

Date Collected: 01/12/23 12:50

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 14:41	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 14:41	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 14:41	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/19/23 13:11	01/20/23 14:41	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 14:41	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/19/23 13:11	01/20/23 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	01/19/23 13:11	01/20/23 14:41	1
1,4-Difluorobenzene (Surr)	80		70 - 130	01/19/23 13:11	01/20/23 14:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/23/23 15:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 15:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 15:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 15:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	61	S1-	70 - 130	01/18/23 14:39	01/23/23 15:23	1
o-Terphenyl (Surr)	54	S1-	70 - 130	01/18/23 14:39	01/23/23 15:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	721		5.04	mg/Kg			01/20/23 14:43	1

Client Sample ID: S26 1'

Lab Sample ID: 880-23720-6

Date Collected: 01/12/23 13:00

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 15:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 15:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 15:07	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/19/23 13:11	01/20/23 15:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 15:07	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/19/23 13:11	01/20/23 15:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130	01/19/23 13:11	01/20/23 15:07	1
1,4-Difluorobenzene (Surr)	89		70 - 130	01/19/23 13:11	01/20/23 15:07	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S26 1'

Lab Sample ID: 880-23720-6

Date Collected: 01/12/23 13:00

Matrix: Solid

Date Received: 01/16/23 11:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			01/23/23 15:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	60.2		50.0	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/18/23 14:39	01/23/23 15:46	1
Diesel Range Organics (Over C10-C28)	60.2		50.0	mg/Kg		01/18/23 14:39	01/23/23 15:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/18/23 14:39	01/23/23 15:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130			01/18/23 14:39	01/23/23 15:46	1
o-Terphenyl (Surr)	85		70 - 130			01/18/23 14:39	01/23/23 15:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2040		25.0	mg/Kg			01/20/23 15:02	5

Client Sample ID: S26 3'

Lab Sample ID: 880-23720-7

Date Collected: 01/12/23 13:05

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 15:33	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 15:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 15:33	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/19/23 13:11	01/20/23 15:33	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 15:33	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/19/23 13:11	01/20/23 15:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130			01/19/23 13:11	01/20/23 15:33	1
1,4-Difluorobenzene (Surr)	88		70 - 130			01/19/23 13:11	01/20/23 15:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/23/23 15:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/18/23 14:39	01/23/23 16:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/18/23 14:39	01/23/23 16:09	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S26 3'

Date Collected: 01/12/23 13:05

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-7

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/18/23 14:39	01/23/23 16:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130			01/18/23 14:39	01/23/23 16:09	1
o-Terphenyl (Surr)	82		70 - 130			01/18/23 14:39	01/23/23 16:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.6		5.00	mg/Kg			01/20/23 15:08	1

Client Sample ID: S26 5'

Date Collected: 01/12/23 13:10

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-8

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/19/23 13:11	01/20/23 15:59	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/19/23 13:11	01/20/23 15:59	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/19/23 13:11	01/20/23 15:59	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/19/23 13:11	01/20/23 15:59	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/19/23 13:11	01/20/23 15:59	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/19/23 13:11	01/20/23 15:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130			01/19/23 13:11	01/20/23 15:59	1
1,4-Difluorobenzene (Surr)	85		70 - 130			01/19/23 13:11	01/20/23 15:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/23/23 15:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/18/23 14:39	01/23/23 16:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/18/23 14:39	01/23/23 16:33	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/18/23 14:39	01/23/23 16:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	55	S1-	70 - 130			01/18/23 14:39	01/23/23 16:33	1
o-Terphenyl (Surr)	52	S1-	70 - 130			01/18/23 14:39	01/23/23 16:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.5		5.03	mg/Kg			01/20/23 15:14	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S26 10'

Lab Sample ID: 880-23720-9

Date Collected: 01/12/23 13:15

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 16:25	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 16:25	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 16:25	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:11	01/20/23 16:25	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 16:25	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:11	01/20/23 16:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	01/19/23 13:11	01/20/23 16:25	1
1,4-Difluorobenzene (Surr)	89		70 - 130	01/19/23 13:11	01/20/23 16:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 15:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 16:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 16:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 16:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	58	S1-	70 - 130	01/18/23 14:39	01/23/23 16:56	1
o-Terphenyl (Surr)	57	S1-	70 - 130	01/18/23 14:39	01/23/23 16:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.62		5.02	mg/Kg			01/20/23 15:20	1

Client Sample ID: S25 1'

Lab Sample ID: 880-23720-10

Date Collected: 01/12/23 13:30

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 17:34	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 17:34	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 17:34	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:11	01/20/23 17:34	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 17:34	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:11	01/20/23 17:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	01/19/23 13:11	01/20/23 17:34	1
1,4-Difluorobenzene (Surr)	81		70 - 130	01/19/23 13:11	01/20/23 17:34	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S25 1'

Lab Sample ID: 880-23720-10

Date Collected: 01/12/23 13:30

Matrix: Solid

Date Received: 01/16/23 11:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 15:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	157		49.9	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 17:19	1
Diesel Range Organics (Over C10-C28)	157		49.9	mg/Kg		01/18/23 14:39	01/23/23 17:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 17:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	67	S1-	70 - 130			01/18/23 14:39	01/23/23 17:19	1
o-Terphenyl (Surr)	66	S1-	70 - 130			01/18/23 14:39	01/23/23 17:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1370		24.9	mg/Kg			01/20/23 15:26	5

Client Sample ID: S25 3'

Lab Sample ID: 880-23720-11

Date Collected: 01/12/23 13:35

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 18:53	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 18:53	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 18:53	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/19/23 13:11	01/20/23 18:53	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 18:53	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/19/23 13:11	01/20/23 18:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			01/19/23 13:11	01/20/23 18:53	1
1,4-Difluorobenzene (Surr)	83		70 - 130			01/19/23 13:11	01/20/23 18:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/23/23 15:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/18/23 14:39	01/23/23 18:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/18/23 14:39	01/23/23 18:05	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S25 3'

Date Collected: 01/12/23 13:35

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-11

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/18/23 14:39	01/23/23 18:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	70		70 - 130			01/18/23 14:39	01/23/23 18:05	1
o-Terphenyl (Surr)	72		70 - 130			01/18/23 14:39	01/23/23 18:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	149	F1	4.96	mg/Kg			01/20/23 15:32	1

Client Sample ID: S25 5'

Date Collected: 01/12/23 13:40

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-12

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 19:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 19:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 19:19	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/19/23 13:11	01/20/23 19:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 19:19	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/19/23 13:11	01/20/23 19:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			01/19/23 13:11	01/20/23 19:19	1
1,4-Difluorobenzene (Surr)	73		70 - 130			01/19/23 13:11	01/20/23 19:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			01/23/23 15:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 18:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 18:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 18:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	71		70 - 130			01/18/23 14:39	01/23/23 18:28	1
o-Terphenyl (Surr)	71		70 - 130			01/18/23 14:39	01/23/23 18:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.3		5.04	mg/Kg			01/20/23 15:51	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S25 10'

Lab Sample ID: 880-23720-13

Date Collected: 01/12/23 13:45

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		01/19/23 13:11	01/20/23 19:46	1
Toluene	<0.00198	U	0.00198	mg/Kg		01/19/23 13:11	01/20/23 19:46	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/19/23 13:11	01/20/23 19:46	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		01/19/23 13:11	01/20/23 19:46	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/19/23 13:11	01/20/23 19:46	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		01/19/23 13:11	01/20/23 19:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	01/19/23 13:11	01/20/23 19:46	1
1,4-Difluorobenzene (Surr)	86		70 - 130	01/19/23 13:11	01/20/23 19:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			01/23/23 15:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 18:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 18:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 18:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	59	S1-	70 - 130	01/18/23 14:39	01/23/23 18:51	1
o-Terphenyl (Surr)	55	S1-	70 - 130	01/18/23 14:39	01/23/23 18:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.2		4.97	mg/Kg			01/20/23 15:57	1

Client Sample ID: S24 1'

Lab Sample ID: 880-23720-14

Date Collected: 01/12/23 14:00

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 20:12	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 20:12	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 20:12	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:11	01/20/23 20:12	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 20:12	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:11	01/20/23 20:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	01/19/23 13:11	01/20/23 20:12	1
1,4-Difluorobenzene (Surr)	86		70 - 130	01/19/23 13:11	01/20/23 20:12	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S24 1'

Lab Sample ID: 880-23720-14

Date Collected: 01/12/23 14:00

Matrix: Solid

Date Received: 01/16/23 11:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 15:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	317		49.9	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 19:14	1
Diesel Range Organics (Over C10-C28)	317		49.9	mg/Kg		01/18/23 14:39	01/23/23 19:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 19:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130			01/18/23 14:39	01/23/23 19:14	1
o-Terphenyl (Surr)	82		70 - 130			01/18/23 14:39	01/23/23 19:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1560		25.2	mg/Kg			01/20/23 16:15	5

Client Sample ID: S24 3'

Lab Sample ID: 880-23720-15

Date Collected: 01/12/23 14:05

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 20:39	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 20:39	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 20:39	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/19/23 13:11	01/20/23 20:39	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 20:39	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/19/23 13:11	01/20/23 20:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130			01/19/23 13:11	01/20/23 20:39	1
1,4-Difluorobenzene (Surr)	93		70 - 130			01/19/23 13:11	01/20/23 20:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/23/23 15:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 19:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 19:38	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S24 3'

Lab Sample ID: 880-23720-15

Date Collected: 01/12/23 14:05

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 19:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	55	S1-	70 - 130			01/18/23 14:39	01/23/23 19:38	1
o-Terphenyl (Surr)	54	S1-	70 - 130			01/18/23 14:39	01/23/23 19:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370		5.00	mg/Kg			01/20/23 16:22	1

Client Sample ID: S24 6'

Lab Sample ID: 880-23720-16

Date Collected: 01/12/23 14:10

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 21:05	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 21:05	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 21:05	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:11	01/20/23 21:05	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 21:05	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:11	01/20/23 21:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			01/19/23 13:11	01/20/23 21:05	1
1,4-Difluorobenzene (Surr)	80		70 - 130			01/19/23 13:11	01/20/23 21:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 15:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 20:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 20:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 20:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	42	S1-	70 - 130			01/18/23 14:39	01/23/23 20:03	1
o-Terphenyl (Surr)	37	S1-	70 - 130			01/18/23 14:39	01/23/23 20:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.0		4.98	mg/Kg			01/20/23 16:28	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S15 1'

Date Collected: 01/12/23 14:30

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-17

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 21:31	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 21:31	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 21:31	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:11	01/20/23 21:31	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 21:31	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:11	01/20/23 21:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	01/19/23 13:11	01/20/23 21:31	1
1,4-Difluorobenzene (Surr)	83		70 - 130	01/19/23 13:11	01/20/23 21:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 15:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/18/23 14:39	01/23/23 20:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/18/23 14:39	01/23/23 20:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/18/23 14:39	01/23/23 20:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130	01/18/23 14:39	01/23/23 20:25	1
o-Terphenyl (Surr)	90		70 - 130	01/18/23 14:39	01/23/23 20:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	667		4.97	mg/Kg			01/20/23 16:34	1

Client Sample ID: S15 3'

Date Collected: 01/12/23 14:35

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-18

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 21:57	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 21:57	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 21:57	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:11	01/20/23 21:57	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 21:57	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:11	01/20/23 21:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	01/19/23 13:11	01/20/23 21:57	1
1,4-Difluorobenzene (Surr)	82		70 - 130	01/19/23 13:11	01/20/23 21:57	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S15 3'

Lab Sample ID: 880-23720-18

Date Collected: 01/12/23 14:35

Matrix: Solid

Date Received: 01/16/23 11:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 15:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 20:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 20:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 20:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130			01/18/23 14:39	01/23/23 20:48	1
o-Terphenyl (Surr)	85		70 - 130			01/18/23 14:39	01/23/23 20:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	155		5.02	mg/Kg			01/20/23 16:40	1

Client Sample ID: S15 5'

Lab Sample ID: 880-23720-19

Date Collected: 01/12/23 14:40

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 22:24	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 22:24	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 22:24	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:11	01/20/23 22:24	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:11	01/20/23 22:24	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:11	01/20/23 22:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130			01/19/23 13:11	01/20/23 22:24	1
1,4-Difluorobenzene (Surr)	89		70 - 130			01/19/23 13:11	01/20/23 22:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 15:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 21:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 21:10	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S15 5'

Lab Sample ID: 880-23720-19

Date Collected: 01/12/23 14:40

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 14:39	01/23/23 21:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130			01/18/23 14:39	01/23/23 21:10	1
o-Terphenyl (Surr)	99		70 - 130			01/18/23 14:39	01/23/23 21:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.4		5.01	mg/Kg			01/20/23 16:46	1

Client Sample ID: S15 10'

Lab Sample ID: 880-23720-20

Date Collected: 01/12/23 14:45

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 22:50	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 22:50	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 22:50	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/19/23 13:11	01/20/23 22:50	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 22:50	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/19/23 13:11	01/20/23 22:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130			01/19/23 13:11	01/20/23 22:50	1
1,4-Difluorobenzene (Surr)	87		70 - 130			01/19/23 13:11	01/20/23 22:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			01/23/23 15:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/18/23 14:39	01/23/23 21:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/18/23 14:39	01/23/23 21:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/18/23 14:39	01/23/23 21:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130			01/18/23 14:39	01/23/23 21:32	1
o-Terphenyl (Surr)	92		70 - 130			01/18/23 14:39	01/23/23 21:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.2		4.98	mg/Kg			01/20/23 16:52	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S4 1'

Lab Sample ID: 880-23720-21

Date Collected: 01/12/23 15:00

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F2 F1	0.00201	mg/Kg		01/19/23 13:13	01/21/23 00:48	1
Toluene	<0.00201	U F2 F1	0.00201	mg/Kg		01/19/23 13:13	01/21/23 00:48	1
Ethylbenzene	<0.00201	U F2 F1	0.00201	mg/Kg		01/19/23 13:13	01/21/23 00:48	1
m,p-Xylenes	<0.00402	U F2 F1	0.00402	mg/Kg		01/19/23 13:13	01/21/23 00:48	1
o-Xylene	<0.00201	U F2 F1	0.00201	mg/Kg		01/19/23 13:13	01/21/23 00:48	1
Xylenes, Total	<0.00402	U F2 F1	0.00402	mg/Kg		01/19/23 13:13	01/21/23 00:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	01/19/23 13:13	01/21/23 00:48	1
1,4-Difluorobenzene (Surr)	110		70 - 130	01/19/23 13:13	01/21/23 00:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/23/23 23:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/23/23 23:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/23/23 23:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130	01/18/23 14:42	01/23/23 23:22	1
o-Terphenyl (Surr)	124		70 - 130	01/18/23 14:42	01/23/23 23:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2100	F1	25.2	mg/Kg			01/20/23 13:08	5

Client Sample ID: S4 3'

Lab Sample ID: 880-23720-22

Date Collected: 01/12/23 15:05

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 01:08	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 01:08	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 01:08	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:13	01/21/23 01:08	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 01:08	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:13	01/21/23 01:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	01/19/23 13:13	01/21/23 01:08	1
1,4-Difluorobenzene (Surr)	110		70 - 130	01/19/23 13:13	01/21/23 01:08	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S4 3'

Lab Sample ID: 880-23720-22

Date Collected: 01/12/23 15:05

Matrix: Solid

Date Received: 01/16/23 11:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/18/23 14:42	01/24/23 00:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/18/23 14:42	01/24/23 00:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/18/23 14:42	01/24/23 00:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			01/18/23 14:42	01/24/23 00:26	1
o-Terphenyl (Surr)	105		70 - 130			01/18/23 14:42	01/24/23 00:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	483		5.00	mg/Kg			01/20/23 13:26	1

Client Sample ID: S4 5'

Lab Sample ID: 880-23720-23

Date Collected: 01/12/23 15:10

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 01:29	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 01:29	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 01:29	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:13	01/21/23 01:29	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 01:29	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:13	01/21/23 01:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			01/19/23 13:13	01/21/23 01:29	1
1,4-Difluorobenzene (Surr)	110		70 - 130			01/19/23 13:13	01/21/23 01:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 00:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 00:48	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S4 5'

Lab Sample ID: 880-23720-23

Date Collected: 01/12/23 15:10

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 00:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			01/18/23 14:42	01/24/23 00:48	1
o-Terphenyl (Surr)	109		70 - 130			01/18/23 14:42	01/24/23 00:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	591		4.97	mg/Kg			01/20/23 13:32	1

Client Sample ID: S4 6'

Lab Sample ID: 880-23720-24

Date Collected: 01/12/23 15:15

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 01:49	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 01:49	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 01:49	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/19/23 13:13	01/21/23 01:49	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 01:49	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/19/23 13:13	01/21/23 01:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			01/19/23 13:13	01/21/23 01:49	1
1,4-Difluorobenzene (Surr)	114		70 - 130			01/19/23 13:13	01/21/23 01:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/18/23 14:42	01/24/23 01:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/18/23 14:42	01/24/23 01:09	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/18/23 14:42	01/24/23 01:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130			01/18/23 14:42	01/24/23 01:09	1
o-Terphenyl (Surr)	108		70 - 130			01/18/23 14:42	01/24/23 01:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	125		5.05	mg/Kg			01/20/23 13:37	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S5 1'

Lab Sample ID: 880-23720-25

Date Collected: 01/12/23 15:30

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 02:10	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 02:10	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 02:10	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:13	01/21/23 02:10	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 02:10	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:13	01/21/23 02:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	01/19/23 13:13	01/21/23 02:10	1
1,4-Difluorobenzene (Surr)	105		70 - 130	01/19/23 13:13	01/21/23 02:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 01:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 01:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 01:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130	01/18/23 14:42	01/24/23 01:30	1
o-Terphenyl (Surr)	114		70 - 130	01/18/23 14:42	01/24/23 01:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1180		4.99	mg/Kg			01/20/23 13:43	1

Client Sample ID: S5 3'

Lab Sample ID: 880-23720-26

Date Collected: 01/12/23 15:35

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 02:30	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 02:30	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 02:30	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/19/23 13:13	01/21/23 02:30	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 02:30	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/19/23 13:13	01/21/23 02:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	01/19/23 13:13	01/21/23 02:30	1
1,4-Difluorobenzene (Surr)	116		70 - 130	01/19/23 13:13	01/21/23 02:30	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S5 3'

Lab Sample ID: 880-23720-26

Date Collected: 01/12/23 15:35

Matrix: Solid

Date Received: 01/16/23 11:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/18/23 14:42	01/24/23 01:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/18/23 14:42	01/24/23 01:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/18/23 14:42	01/24/23 01:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130			01/18/23 14:42	01/24/23 01:52	1
o-Terphenyl (Surr)	123		70 - 130			01/18/23 14:42	01/24/23 01:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.9		5.01	mg/Kg			01/20/23 14:01	1

Client Sample ID: S5 5'

Lab Sample ID: 880-23720-27

Date Collected: 01/12/23 15:40

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 02:51	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 02:51	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 02:51	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:13	01/21/23 02:51	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 02:51	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:13	01/21/23 02:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			01/19/23 13:13	01/21/23 02:51	1
1,4-Difluorobenzene (Surr)	117		70 - 130			01/19/23 13:13	01/21/23 02:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/18/23 14:42	01/24/23 02:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/18/23 14:42	01/24/23 02:13	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S5 5'

Lab Sample ID: 880-23720-27

Date Collected: 01/12/23 15:40

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/18/23 14:42	01/24/23 02:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130			01/18/23 14:42	01/24/23 02:13	1
o-Terphenyl (Surr)	123		70 - 130			01/18/23 14:42	01/24/23 02:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.3		5.00	mg/Kg			01/20/23 14:07	1

Client Sample ID: S5 10'

Lab Sample ID: 880-23720-28

Date Collected: 01/12/23 15:45

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 03:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 03:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 03:11	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/19/23 13:13	01/21/23 03:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 03:11	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/19/23 13:13	01/21/23 03:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			01/19/23 13:13	01/21/23 03:11	1
1,4-Difluorobenzene (Surr)	113		70 - 130			01/19/23 13:13	01/21/23 03:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/18/23 14:42	01/24/23 02:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/18/23 14:42	01/24/23 02:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/18/23 14:42	01/24/23 02:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130			01/18/23 14:42	01/24/23 02:34	1
o-Terphenyl (Surr)	113		70 - 130			01/18/23 14:42	01/24/23 02:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.3		5.02	mg/Kg			01/20/23 14:13	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S11 1'

Lab Sample ID: 880-23720-29

Date Collected: 01/12/23 16:00

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 03:31	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 03:31	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 03:31	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/19/23 13:13	01/21/23 03:31	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 03:31	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/19/23 13:13	01/21/23 03:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	01/19/23 13:13	01/21/23 03:31	1
1,4-Difluorobenzene (Surr)	115		70 - 130	01/19/23 13:13	01/21/23 03:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 02:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 02:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 02:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130	01/18/23 14:42	01/24/23 02:56	1
o-Terphenyl (Surr)	109		70 - 130	01/18/23 14:42	01/24/23 02:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2310		50.1	mg/Kg			01/23/23 13:54	10

Client Sample ID: S11 3'

Lab Sample ID: 880-23720-30

Date Collected: 01/12/23 16:05

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 03:52	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 03:52	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 03:52	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:13	01/21/23 03:52	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 03:52	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:13	01/21/23 03:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	01/19/23 13:13	01/21/23 03:52	1
1,4-Difluorobenzene (Surr)	115		70 - 130	01/19/23 13:13	01/21/23 03:52	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S11 3'

Lab Sample ID: 880-23720-30

Date Collected: 01/12/23 16:05

Matrix: Solid

Date Received: 01/16/23 11:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 03:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 03:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 03:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130			01/18/23 14:42	01/24/23 03:18	1
o-Terphenyl (Surr)	116		70 - 130			01/18/23 14:42	01/24/23 03:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	266		5.00	mg/Kg			01/20/23 14:24	1

Client Sample ID: S11 5'

Lab Sample ID: 880-23720-31

Date Collected: 01/12/23 16:10

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 05:42	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 05:42	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 05:42	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/19/23 13:13	01/21/23 05:42	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 05:42	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/19/23 13:13	01/21/23 05:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			01/19/23 13:13	01/21/23 05:42	1
1,4-Difluorobenzene (Surr)	111		70 - 130			01/19/23 13:13	01/21/23 05:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/18/23 14:42	01/24/23 04:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/18/23 14:42	01/24/23 04:01	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S11 5'

Lab Sample ID: 880-23720-31

Date Collected: 01/12/23 16:10

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/18/23 14:42	01/24/23 04:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130			01/18/23 14:42	01/24/23 04:01	1
o-Terphenyl (Surr)	102		70 - 130			01/18/23 14:42	01/24/23 04:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.2		5.00	mg/Kg			01/20/23 14:30	1

Client Sample ID: S11 6'

Lab Sample ID: 880-23720-32

Date Collected: 01/12/23 16:15

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/19/23 13:13	01/21/23 06:03	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/19/23 13:13	01/21/23 06:03	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/19/23 13:13	01/21/23 06:03	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/19/23 13:13	01/21/23 06:03	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/19/23 13:13	01/21/23 06:03	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/19/23 13:13	01/21/23 06:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			01/19/23 13:13	01/21/23 06:03	1
1,4-Difluorobenzene (Surr)	110		70 - 130			01/19/23 13:13	01/21/23 06:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 04:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 04:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 04:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130			01/18/23 14:42	01/24/23 04:22	1
o-Terphenyl (Surr)	109		70 - 130			01/18/23 14:42	01/24/23 04:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.3		5.02	mg/Kg			01/20/23 15:28	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S9 1'

Lab Sample ID: 880-23720-33

Date Collected: 01/12/23 16:30

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 06:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 06:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 06:23	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/19/23 13:13	01/21/23 06:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 06:23	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/19/23 13:13	01/21/23 06:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	01/19/23 13:13	01/21/23 06:23	1
1,4-Difluorobenzene (Surr)	113		70 - 130	01/19/23 13:13	01/21/23 06:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 04:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 04:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 04:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130	01/18/23 14:42	01/24/23 04:44	1
o-Terphenyl (Surr)	93		70 - 130	01/18/23 14:42	01/24/23 04:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1190		5.00	mg/Kg			01/20/23 14:53	1

Client Sample ID: S9 3'

Lab Sample ID: 880-23720-34

Date Collected: 01/12/23 16:35

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 06:43	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 06:43	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 06:43	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:13	01/21/23 06:43	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 06:43	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:13	01/21/23 06:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	01/19/23 13:13	01/21/23 06:43	1
1,4-Difluorobenzene (Surr)	112		70 - 130	01/19/23 13:13	01/21/23 06:43	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S9 3'

Lab Sample ID: 880-23720-34

Date Collected: 01/12/23 16:35

Matrix: Solid

Date Received: 01/16/23 11:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 05:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 05:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 05:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130			01/18/23 14:42	01/24/23 05:05	1
o-Terphenyl (Surr)	98		70 - 130			01/18/23 14:42	01/24/23 05:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	368		4.98	mg/Kg			01/20/23 15:34	1

Client Sample ID: S9 5'

Lab Sample ID: 880-23720-35

Date Collected: 01/12/23 16:40

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 07:04	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 07:04	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 07:04	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:13	01/21/23 07:04	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 07:04	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:13	01/21/23 07:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			01/19/23 13:13	01/21/23 07:04	1
1,4-Difluorobenzene (Surr)	115		70 - 130			01/19/23 13:13	01/21/23 07:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 05:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 05:26	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S9 5'

Lab Sample ID: 880-23720-35

Date Collected: 01/12/23 16:40

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 05:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			01/18/23 14:42	01/24/23 05:26	1
o-Terphenyl (Surr)	103		70 - 130			01/18/23 14:42	01/24/23 05:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.1		4.95	mg/Kg			01/20/23 15:39	1

Client Sample ID: S10 1'

Lab Sample ID: 880-23720-36

Date Collected: 01/12/23 16:45

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 07:24	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 07:24	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 07:24	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/19/23 13:13	01/21/23 07:24	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 07:24	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/19/23 13:13	01/21/23 07:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			01/19/23 13:13	01/21/23 07:24	1
1,4-Difluorobenzene (Surr)	115		70 - 130			01/19/23 13:13	01/21/23 07:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 05:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 05:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 05:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130			01/18/23 14:42	01/24/23 05:47	1
o-Terphenyl (Surr)	107		70 - 130			01/18/23 14:42	01/24/23 05:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	484		5.00	mg/Kg			01/20/23 15:45	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S10 3'

Date Collected: 01/12/23 16:50

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-37

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 07:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 07:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 07:45	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/19/23 13:13	01/21/23 07:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 07:45	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/19/23 13:13	01/21/23 07:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	01/19/23 13:13	01/21/23 07:45	1
1,4-Difluorobenzene (Surr)	116		70 - 130	01/19/23 13:13	01/21/23 07:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/18/23 14:42	01/24/23 06:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/18/23 14:42	01/24/23 06:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/18/23 14:42	01/24/23 06:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130	01/18/23 14:42	01/24/23 06:09	1
o-Terphenyl (Surr)	102		70 - 130	01/18/23 14:42	01/24/23 06:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.0		4.99	mg/Kg			01/20/23 15:51	1

Client Sample ID: S10 5'

Date Collected: 01/12/23 16:55

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-38

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/19/23 13:13	01/21/23 08:05	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/19/23 13:13	01/21/23 08:05	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/19/23 13:13	01/21/23 08:05	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		01/19/23 13:13	01/21/23 08:05	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/19/23 13:13	01/21/23 08:05	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		01/19/23 13:13	01/21/23 08:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	01/19/23 13:13	01/21/23 08:05	1
1,4-Difluorobenzene (Surr)	114		70 - 130	01/19/23 13:13	01/21/23 08:05	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S10 5'

Lab Sample ID: 880-23720-38

Date Collected: 01/12/23 16:55

Matrix: Solid

Date Received: 01/16/23 11:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 06:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 06:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 06:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	65	S1-	70 - 130			01/18/23 14:42	01/24/23 06:32	1
o-Terphenyl (Surr)	64	S1-	70 - 130			01/18/23 14:42	01/24/23 06:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.9		5.01	mg/Kg			01/20/23 15:57	1

Client Sample ID: S10 7'

Lab Sample ID: 880-23720-39

Date Collected: 01/12/23 17:00

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 08:26	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 08:26	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 08:26	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:13	01/21/23 08:26	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 08:26	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:13	01/21/23 08:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			01/19/23 13:13	01/21/23 08:26	1
1,4-Difluorobenzene (Surr)	114		70 - 130			01/19/23 13:13	01/21/23 08:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 06:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 06:56	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S10 7'

Lab Sample ID: 880-23720-39

Date Collected: 01/12/23 17:00

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 14:42	01/24/23 06:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	24	S1-	70 - 130			01/18/23 14:42	01/24/23 06:56	1
o-Terphenyl (Surr)	16	S1-	70 - 130			01/18/23 14:42	01/24/23 06:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.8		4.97	mg/Kg			01/20/23 16:03	1

Client Sample ID: S27 1'

Lab Sample ID: 880-23720-40

Date Collected: 01/13/23 07:00

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 08:47	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 08:47	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 08:47	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:13	01/21/23 08:47	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:13	01/21/23 08:47	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:13	01/21/23 08:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130			01/19/23 13:13	01/21/23 08:47	1
1,4-Difluorobenzene (Surr)	94		70 - 130			01/19/23 13:13	01/21/23 08:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	388		50.0	mg/Kg			01/24/23 14:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/18/23 14:42	01/24/23 07:19	1
Diesel Range Organics (Over C10-C28)	253		50.0	mg/Kg		01/18/23 14:42	01/24/23 07:19	1
OII Range Organics (Over C28-C36)	135		50.0	mg/Kg		01/18/23 14:42	01/24/23 07:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	41	S1-	70 - 130			01/18/23 14:42	01/24/23 07:19	1
o-Terphenyl (Surr)	36	S1-	70 - 130			01/18/23 14:42	01/24/23 07:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	324		4.98	mg/Kg			01/20/23 16:09	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S27 3'

Date Collected: 01/13/23 07:05

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-41

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/19/23 13:15	01/20/23 17:33	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/19/23 13:15	01/20/23 17:33	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/19/23 13:15	01/20/23 17:33	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/19/23 13:15	01/20/23 17:33	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/19/23 13:15	01/20/23 17:33	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/19/23 13:15	01/20/23 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	01/19/23 13:15	01/20/23 17:33	1
1,4-Difluorobenzene (Surr)	81		70 - 130	01/19/23 13:15	01/20/23 17:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/23/23 13:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/30/23 10:22	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2 F1	49.9	mg/Kg		01/18/23 15:18	01/28/23 03:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U F2 F1	49.9	mg/Kg		01/18/23 15:18	01/28/23 03:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 15:18	01/28/23 03:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130	01/18/23 15:18	01/28/23 03:13	1
o-Terphenyl (Surr)	89		70 - 130	01/18/23 15:18	01/28/23 03:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	146	F1	5.03	mg/Kg			01/20/23 17:42	1

Client Sample ID: S27 5'

Date Collected: 01/13/23 07:10

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-42

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 17:53	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 17:53	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 17:53	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/20/23 17:53	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 17:53	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/20/23 17:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	01/19/23 13:15	01/20/23 17:53	1
1,4-Difluorobenzene (Surr)	92		70 - 130	01/19/23 13:15	01/20/23 17:53	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S27 5'

Lab Sample ID: 880-23720-42

Date Collected: 01/13/23 07:10

Matrix: Solid

Date Received: 01/16/23 11:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 13:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/30/23 10:22	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/18/23 15:18	01/28/23 04:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/18/23 15:18	01/28/23 04:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/18/23 15:18	01/28/23 04:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	118		70 - 130			01/18/23 15:18	01/28/23 04:24	1
o-Terphenyl (Surr)	108		70 - 130			01/18/23 15:18	01/28/23 04:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.2		5.00	mg/Kg			01/20/23 18:00	1

Client Sample ID: S28 1'

Lab Sample ID: 880-23720-43

Date Collected: 01/13/23 07:15

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 18:14	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 18:14	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 18:14	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/20/23 18:14	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 18:14	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/20/23 18:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130			01/19/23 13:15	01/20/23 18:14	1
1,4-Difluorobenzene (Surr)	83		70 - 130			01/19/23 13:15	01/20/23 18:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 13:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	358		49.9	mg/Kg			01/30/23 10:22	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 15:18	01/28/23 04:47	1
Diesel Range Organics (Over C10-C28)	358		49.9	mg/Kg		01/18/23 15:18	01/28/23 04:47	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S28 1'

Lab Sample ID: 880-23720-43

Date Collected: 01/13/23 07:15

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 15:18	01/28/23 04:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130			01/18/23 15:18	01/28/23 04:47	1
o-Terphenyl (Surr)	107		70 - 130			01/18/23 15:18	01/28/23 04:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	952		4.97	mg/Kg			01/20/23 18:06	1

Client Sample ID: S28 3'

Lab Sample ID: 880-23720-44

Date Collected: 01/13/23 07:20

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:15	01/20/23 18:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:15	01/20/23 18:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:15	01/20/23 18:34	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/19/23 13:15	01/20/23 18:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:15	01/20/23 18:34	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/19/23 13:15	01/20/23 18:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130			01/19/23 13:15	01/20/23 18:34	1
1,4-Difluorobenzene (Surr)	97		70 - 130			01/19/23 13:15	01/20/23 18:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/23/23 13:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/30/23 10:22	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/18/23 15:18	01/28/23 05:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/18/23 15:18	01/28/23 05:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/18/23 15:18	01/28/23 05:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	128		70 - 130			01/18/23 15:18	01/28/23 05:09	1
o-Terphenyl (Surr)	123		70 - 130			01/18/23 15:18	01/28/23 05:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	153		5.05	mg/Kg			01/20/23 18:12	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S28 5'

Date Collected: 01/13/23 07:25

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-45

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 18:55	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 18:55	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 18:55	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/20/23 18:55	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 18:55	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/20/23 18:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	01/19/23 13:15	01/20/23 18:55	1
1,4-Difluorobenzene (Surr)	85		70 - 130	01/19/23 13:15	01/20/23 18:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 13:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/30/23 10:22	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 15:18	01/28/23 05:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 15:18	01/28/23 05:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 15:18	01/28/23 05:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	134	S1+	70 - 130	01/18/23 15:18	01/28/23 05:30	1
o-Terphenyl (Surr)	127		70 - 130	01/18/23 15:18	01/28/23 05:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	129		4.99	mg/Kg			01/20/23 18:18	1

Client Sample ID: S28 7'

Date Collected: 01/13/23 07:30

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-46

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 19:15	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 19:15	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 19:15	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/20/23 19:15	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 19:15	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/20/23 19:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	01/19/23 13:15	01/20/23 19:15	1
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130	01/19/23 13:15	01/20/23 19:15	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S28 7'

Lab Sample ID: 880-23720-46

Date Collected: 01/13/23 07:30

Matrix: Solid

Date Received: 01/16/23 11:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 13:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/30/23 10:22	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/18/23 15:18	01/28/23 05:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/18/23 15:18	01/28/23 05:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/18/23 15:18	01/28/23 05:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130			01/18/23 15:18	01/28/23 05:51	1
o-Terphenyl (Surr)	121		70 - 130			01/18/23 15:18	01/28/23 05:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		5.01	mg/Kg			01/20/23 18:37	1

Client Sample ID: S29 1'

Lab Sample ID: 880-23720-47

Date Collected: 01/13/23 07:35

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:15	01/20/23 19:36	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:15	01/20/23 19:36	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:15	01/20/23 19:36	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/19/23 13:15	01/20/23 19:36	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:15	01/20/23 19:36	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/19/23 13:15	01/20/23 19:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			01/19/23 13:15	01/20/23 19:36	1
1,4-Difluorobenzene (Surr)	80		70 - 130			01/19/23 13:15	01/20/23 19:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			01/23/23 13:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	101		50.0	mg/Kg			01/30/23 10:22	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/18/23 15:18	01/28/23 06:13	1
Diesel Range Organics (Over C10-C28)	101		50.0	mg/Kg		01/18/23 15:18	01/28/23 06:13	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S29 1'

Lab Sample ID: 880-23720-47

Date Collected: 01/13/23 07:35

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/18/23 15:18	01/28/23 06:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	138	S1+	70 - 130			01/18/23 15:18	01/28/23 06:13	1
o-Terphenyl (Surr)	132	S1+	70 - 130			01/18/23 15:18	01/28/23 06:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	700		5.00	mg/Kg			01/20/23 18:43	1

Client Sample ID: S29 3'

Lab Sample ID: 880-23720-48

Date Collected: 01/13/23 07:40

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 19:56	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 19:56	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 19:56	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/20/23 19:56	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 19:56	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/20/23 19:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130			01/19/23 13:15	01/20/23 19:56	1
1,4-Difluorobenzene (Surr)	84		70 - 130			01/19/23 13:15	01/20/23 19:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 13:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/30/23 10:22	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/18/23 15:18	01/28/23 06:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/18/23 15:18	01/28/23 06:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/18/23 15:18	01/28/23 06:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	145	S1+	70 - 130			01/18/23 15:18	01/28/23 06:34	1
o-Terphenyl (Surr)	142	S1+	70 - 130			01/18/23 15:18	01/28/23 06:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	193		5.03	mg/Kg			01/20/23 18:49	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S29 5'

Date Collected: 01/13/23 07:45

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-49

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 20:17	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 20:17	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 20:17	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/20/23 20:17	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 20:17	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/20/23 20:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	01/19/23 13:15	01/20/23 20:17	1
1,4-Difluorobenzene (Surr)	92		70 - 130	01/19/23 13:15	01/20/23 20:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 13:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/30/23 10:22	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 15:18	01/28/23 06:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 15:18	01/28/23 06:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 15:18	01/28/23 06:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	130		70 - 130	01/18/23 15:18	01/28/23 06:56	1
o-Terphenyl (Surr)	120		70 - 130	01/18/23 15:18	01/28/23 06:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	399		5.01	mg/Kg			01/20/23 18:55	1

Client Sample ID: S29 7'

Date Collected: 01/13/23 07:50

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-50

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:15	01/20/23 20:37	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:15	01/20/23 20:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:15	01/20/23 20:37	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/19/23 13:15	01/20/23 20:37	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:15	01/20/23 20:37	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/19/23 13:15	01/20/23 20:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	01/19/23 13:15	01/20/23 20:37	1
1,4-Difluorobenzene (Surr)	72		70 - 130	01/19/23 13:15	01/20/23 20:37	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S29 7'

Lab Sample ID: 880-23720-50

Date Collected: 01/13/23 07:50

Matrix: Solid

Date Received: 01/16/23 11:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/23/23 13:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/30/23 10:22	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 15:18	01/28/23 07:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 15:18	01/28/23 07:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 15:18	01/28/23 07:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130			01/18/23 15:18	01/28/23 07:19	1
o-Terphenyl (Surr)	106		70 - 130			01/18/23 15:18	01/28/23 07:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		5.00	mg/Kg			01/20/23 19:02	1

Client Sample ID: S30 1'

Lab Sample ID: 880-23720-51

Date Collected: 01/13/23 07:55

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 22:00	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 22:00	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 22:00	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/20/23 22:00	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 22:00	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/20/23 22:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130			01/19/23 13:15	01/20/23 22:00	1
1,4-Difluorobenzene (Surr)	90		70 - 130			01/19/23 13:15	01/20/23 22:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 13:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	156		50.0	mg/Kg			01/30/23 10:22	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/18/23 15:18	01/28/23 08:06	1
Diesel Range Organics (Over C10-C28)	156		50.0	mg/Kg		01/18/23 15:18	01/28/23 08:06	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S30 1'

Date Collected: 01/13/23 07:55

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-51

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/18/23 15:18	01/28/23 08:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	124		70 - 130			01/18/23 15:18	01/28/23 08:06	1
o-Terphenyl (Surr)	110		70 - 130			01/18/23 15:18	01/28/23 08:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1320	F1	25.0	mg/Kg			01/20/23 19:08	5

Client Sample ID: S30 3'

Date Collected: 01/13/23 08:00

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-52

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 22:20	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 22:20	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 22:20	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/20/23 22:20	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 22:20	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/20/23 22:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130			01/19/23 13:15	01/20/23 22:20	1
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130			01/19/23 13:15	01/20/23 22:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 13:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/30/23 10:22	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/18/23 15:18	01/28/23 08:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/18/23 15:18	01/28/23 08:29	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/18/23 15:18	01/28/23 08:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130			01/18/23 15:18	01/28/23 08:29	1
o-Terphenyl (Surr)	109		70 - 130			01/18/23 15:18	01/28/23 08:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	127		5.04	mg/Kg			01/20/23 19:26	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S30 5'

Date Collected: 01/13/23 08:05

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-53

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:15	01/20/23 22:41	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:15	01/20/23 22:41	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:15	01/20/23 22:41	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/19/23 13:15	01/20/23 22:41	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:15	01/20/23 22:41	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/19/23 13:15	01/20/23 22:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	01/19/23 13:15	01/20/23 22:41	1
1,4-Difluorobenzene (Surr)	84		70 - 130	01/19/23 13:15	01/20/23 22:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/23/23 13:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/30/23 10:22	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/18/23 15:18	01/28/23 08:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/18/23 15:18	01/28/23 08:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/18/23 15:18	01/28/23 08:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130	01/18/23 15:18	01/28/23 08:51	1
o-Terphenyl (Surr)	112		70 - 130	01/18/23 15:18	01/28/23 08:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		5.00	mg/Kg			01/20/23 19:32	1

Client Sample ID: S30 7'

Date Collected: 01/13/23 08:10

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-54

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 23:01	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 23:01	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 23:01	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/20/23 23:01	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 23:01	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/20/23 23:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	01/19/23 13:15	01/20/23 23:01	1
1,4-Difluorobenzene (Surr)	76		70 - 130	01/19/23 13:15	01/20/23 23:01	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S30 7'

Lab Sample ID: 880-23720-54

Date Collected: 01/13/23 08:10

Matrix: Solid

Date Received: 01/16/23 11:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 13:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/30/23 10:22	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 15:18	01/28/23 09:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 15:18	01/28/23 09:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 15:18	01/28/23 09:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	131	S1+	70 - 130			01/18/23 15:18	01/28/23 09:14	1
o-Terphenyl (Surr)	120		70 - 130			01/18/23 15:18	01/28/23 09:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	139		4.98	mg/Kg			01/20/23 19:51	1

Client Sample ID: S31 1'

Lab Sample ID: 880-23720-55

Date Collected: 01/13/23 08:15

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 23:22	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 23:22	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 23:22	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/20/23 23:22	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 23:22	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/20/23 23:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130			01/19/23 13:15	01/20/23 23:22	1
1,4-Difluorobenzene (Surr)	72		70 - 130			01/19/23 13:15	01/20/23 23:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 13:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	57.9		49.9	mg/Kg			01/30/23 10:22	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 15:18	01/28/23 09:36	1
Diesel Range Organics (Over C10-C28)	57.9		49.9	mg/Kg		01/18/23 15:18	01/28/23 09:36	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S31 1'

Lab Sample ID: 880-23720-55

Date Collected: 01/13/23 08:15

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 15:18	01/28/23 09:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130			01/18/23 15:18	01/28/23 09:36	1
o-Terphenyl (Surr)	118		70 - 130			01/18/23 15:18	01/28/23 09:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1160		4.99	mg/Kg			01/20/23 19:57	1

Client Sample ID: S31 3'

Lab Sample ID: 880-23720-56

Date Collected: 01/13/23 08:20

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 23:42	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 23:42	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 23:42	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/20/23 23:42	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/20/23 23:42	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/20/23 23:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			01/19/23 13:15	01/20/23 23:42	1
1,4-Difluorobenzene (Surr)	79		70 - 130			01/19/23 13:15	01/20/23 23:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 13:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/30/23 10:22	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 15:18	01/28/23 09:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 15:18	01/28/23 09:59	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 15:18	01/28/23 09:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	133	S1+	70 - 130			01/18/23 15:18	01/28/23 09:59	1
o-Terphenyl (Surr)	121		70 - 130			01/18/23 15:18	01/28/23 09:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.3		5.00	mg/Kg			01/20/23 20:03	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S31 5'

Date Collected: 01/13/23 08:25

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-57

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/19/23 13:15	01/21/23 00:03	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/19/23 13:15	01/21/23 00:03	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/19/23 13:15	01/21/23 00:03	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/19/23 13:15	01/21/23 00:03	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/19/23 13:15	01/21/23 00:03	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/19/23 13:15	01/21/23 00:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	01/19/23 13:15	01/21/23 00:03	1
1,4-Difluorobenzene (Surr)	93		70 - 130	01/19/23 13:15	01/21/23 00:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/23/23 13:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/30/23 10:22	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/18/23 15:18	01/28/23 10:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/18/23 15:18	01/28/23 10:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/18/23 15:18	01/28/23 10:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	122		70 - 130	01/18/23 15:18	01/28/23 10:20	1
o-Terphenyl (Surr)	113		70 - 130	01/18/23 15:18	01/28/23 10:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.2		4.99	mg/Kg			01/20/23 20:09	1

Client Sample ID: S31 6.5'

Date Collected: 01/13/23 08:30

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-58

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/19/23 13:15	01/21/23 00:23	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/19/23 13:15	01/21/23 00:23	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/19/23 13:15	01/21/23 00:23	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		01/19/23 13:15	01/21/23 00:23	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/19/23 13:15	01/21/23 00:23	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/19/23 13:15	01/21/23 00:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	01/19/23 13:15	01/21/23 00:23	1
1,4-Difluorobenzene (Surr)	79		70 - 130	01/19/23 13:15	01/21/23 00:23	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S31 6.5'

Lab Sample ID: 880-23720-58

Date Collected: 01/13/23 08:30

Matrix: Solid

Date Received: 01/16/23 11:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/23/23 13:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/30/23 10:22	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 15:18	01/28/23 10:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 15:18	01/28/23 10:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 15:18	01/28/23 10:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	76		70 - 130			01/18/23 15:18	01/28/23 10:44	1
o-Terphenyl (Surr)	68	S1-	70 - 130			01/18/23 15:18	01/28/23 10:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.1		5.01	mg/Kg			01/20/23 20:15	1

Client Sample ID: S32 1'

Lab Sample ID: 880-23720-59

Date Collected: 01/13/23 08:35

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/21/23 00:44	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/21/23 00:44	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/21/23 00:44	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/21/23 00:44	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/21/23 00:44	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/21/23 00:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130			01/19/23 13:15	01/21/23 00:44	1
1,4-Difluorobenzene (Surr)	89		70 - 130			01/19/23 13:15	01/21/23 00:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 13:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	83.9		49.9	mg/Kg			01/30/23 10:22	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 15:18	01/28/23 11:08	1
Diesel Range Organics (Over C10-C28)	83.9		49.9	mg/Kg		01/18/23 15:18	01/28/23 11:08	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S32 1'

Lab Sample ID: 880-23720-59

Date Collected: 01/13/23 08:35

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 15:18	01/28/23 11:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			01/18/23 15:18	01/28/23 11:08	1
o-Terphenyl (Surr)	99		70 - 130			01/18/23 15:18	01/28/23 11:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1370		24.9	mg/Kg			01/20/23 20:22	5

Client Sample ID: S32 3'

Lab Sample ID: 880-23720-60

Date Collected: 01/13/23 08:40

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/21/23 01:04	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/21/23 01:04	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/21/23 01:04	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/21/23 01:04	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:15	01/21/23 01:04	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:15	01/21/23 01:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130			01/19/23 13:15	01/21/23 01:04	1
1,4-Difluorobenzene (Surr)	88		70 - 130			01/19/23 13:15	01/21/23 01:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 13:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/30/23 10:22	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/18/23 15:18	01/28/23 11:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/18/23 15:18	01/28/23 11:32	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/18/23 15:18	01/28/23 11:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130			01/18/23 15:18	01/28/23 11:32	1
o-Terphenyl (Surr)	109		70 - 130			01/18/23 15:18	01/28/23 11:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	269		4.98	mg/Kg			01/20/23 20:28	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S32 5'

Date Collected: 01/13/23 08:45

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-61

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U F2 F1	0.00202	mg/Kg		01/19/23 13:17	01/21/23 12:25	1
Toluene	<0.00202	U F2 F1	0.00202	mg/Kg		01/19/23 13:17	01/21/23 12:25	1
Ethylbenzene	<0.00202	U F2 F1	0.00202	mg/Kg		01/19/23 13:17	01/21/23 12:25	1
m,p-Xylenes	<0.00404	U F2 F1	0.00404	mg/Kg		01/19/23 13:17	01/21/23 12:25	1
o-Xylene	<0.00202	U F2 F1	0.00202	mg/Kg		01/19/23 13:17	01/21/23 12:25	1
Xylenes, Total	<0.00404	U F2 F1	0.00404	mg/Kg		01/19/23 13:17	01/21/23 12:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	01/19/23 13:17	01/21/23 12:25	1
1,4-Difluorobenzene (Surr)	116		70 - 130	01/19/23 13:17	01/21/23 12:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/20/23 11:57	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/19/23 08:35	01/19/23 10:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/19/23 08:35	01/19/23 10:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/19/23 08:35	01/19/23 10:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130	01/19/23 08:35	01/19/23 10:59	1
o-Terphenyl (Surr)	104		70 - 130	01/19/23 08:35	01/19/23 10:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.6		5.02	mg/Kg			01/20/23 21:17	1

Client Sample ID: S32 10'

Date Collected: 01/13/23 08:50

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-62

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:17	01/21/23 12:46	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:17	01/21/23 12:46	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:17	01/21/23 12:46	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:17	01/21/23 12:46	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:17	01/21/23 12:46	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:17	01/21/23 12:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	01/19/23 13:17	01/21/23 12:46	1
1,4-Difluorobenzene (Surr)	112		70 - 130	01/19/23 13:17	01/21/23 12:46	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S32 10'

Lab Sample ID: 880-23720-62

Date Collected: 01/13/23 08:50

Matrix: Solid

Date Received: 01/16/23 11:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/20/23 11:57	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/19/23 08:35	01/19/23 15:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/19/23 08:35	01/19/23 15:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/19/23 08:35	01/19/23 15:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130			01/19/23 08:35	01/19/23 15:46	1
o-Terphenyl (Surr)	105		70 - 130			01/19/23 08:35	01/19/23 15:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		4.97	mg/Kg			01/20/23 21:36	1

Client Sample ID: S33 1'

Lab Sample ID: 880-23720-63

Date Collected: 01/13/23 08:55

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/19/23 13:17	01/21/23 13:07	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/19/23 13:17	01/21/23 13:07	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/19/23 13:17	01/21/23 13:07	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/19/23 13:17	01/21/23 13:07	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/19/23 13:17	01/21/23 13:07	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/19/23 13:17	01/21/23 13:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			01/19/23 13:17	01/21/23 13:07	1
1,4-Difluorobenzene (Surr)	114		70 - 130			01/19/23 13:17	01/21/23 13:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.0		49.9	mg/Kg			01/20/23 11:57	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/19/23 08:35	01/19/23 16:08	1
Diesel Range Organics (Over C10-C28)	54.0		49.9	mg/Kg		01/19/23 08:35	01/19/23 16:08	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S33 1'

Date Collected: 01/13/23 08:55

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-63

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/19/23 08:35	01/19/23 16:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130			01/19/23 08:35	01/19/23 16:08	1
o-Terphenyl (Surr)	107		70 - 130			01/19/23 08:35	01/19/23 16:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1270		25.0	mg/Kg			01/20/23 21:42	5

Client Sample ID: S33 3'

Date Collected: 01/13/23 09:00

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-64

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:17	01/21/23 13:27	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:17	01/21/23 13:27	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:17	01/21/23 13:27	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:17	01/21/23 13:27	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:17	01/21/23 13:27	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:17	01/21/23 13:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			01/19/23 13:17	01/21/23 13:27	1
1,4-Difluorobenzene (Surr)	115		70 - 130			01/19/23 13:17	01/21/23 13:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/20/23 11:57	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/19/23 08:35	01/19/23 16:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/19/23 08:35	01/19/23 16:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/19/23 08:35	01/19/23 16:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			01/19/23 08:35	01/19/23 16:30	1
o-Terphenyl (Surr)	102		70 - 130			01/19/23 08:35	01/19/23 16:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	523		5.05	mg/Kg			01/20/23 21:48	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S33 5'

Date Collected: 01/13/23 09:05

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-65

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:17	01/21/23 13:48	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:17	01/21/23 13:48	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:17	01/21/23 13:48	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:17	01/21/23 13:48	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:17	01/21/23 13:48	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:17	01/21/23 13:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	01/19/23 13:17	01/21/23 13:48	1
1,4-Difluorobenzene (Surr)	115		70 - 130	01/19/23 13:17	01/21/23 13:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/20/23 11:57	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/19/23 08:35	01/19/23 16:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/19/23 08:35	01/19/23 16:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/19/23 08:35	01/19/23 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130	01/19/23 08:35	01/19/23 16:52	1
o-Terphenyl (Surr)	107		70 - 130	01/19/23 08:35	01/19/23 16:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.6		5.04	mg/Kg			01/20/23 21:54	1

Client Sample ID: S33 10'

Date Collected: 01/13/23 09:10

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-66

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:17	01/21/23 14:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:17	01/21/23 14:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:17	01/21/23 14:08	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/19/23 13:17	01/21/23 14:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:17	01/21/23 14:08	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/19/23 13:17	01/21/23 14:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	01/19/23 13:17	01/21/23 14:08	1
1,4-Difluorobenzene (Surr)	117		70 - 130	01/19/23 13:17	01/21/23 14:08	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S33 10'

Lab Sample ID: 880-23720-66

Date Collected: 01/13/23 09:10

Matrix: Solid

Date Received: 01/16/23 11:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/20/23 11:57	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/19/23 08:35	01/19/23 17:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/19/23 08:35	01/19/23 17:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/19/23 08:35	01/19/23 17:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	75		70 - 130			01/19/23 08:35	01/19/23 17:14	1
o-Terphenyl (Surr)	73		70 - 130			01/19/23 08:35	01/19/23 17:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.8		5.00	mg/Kg			01/20/23 22:12	1

Client Sample ID: S37 1'

Lab Sample ID: 880-23720-67

Date Collected: 01/13/23 09:15

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:17	01/21/23 14:29	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:17	01/21/23 14:29	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:17	01/21/23 14:29	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/19/23 13:17	01/21/23 14:29	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:17	01/21/23 14:29	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/19/23 13:17	01/21/23 14:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			01/19/23 13:17	01/21/23 14:29	1
1,4-Difluorobenzene (Surr)	119		70 - 130			01/19/23 13:17	01/21/23 14:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/20/23 11:57	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/19/23 08:35	01/19/23 17:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/19/23 08:35	01/19/23 17:36	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S37 1'

Lab Sample ID: 880-23720-67

Date Collected: 01/13/23 09:15

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/19/23 08:35	01/19/23 17:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130			01/19/23 08:35	01/19/23 17:36	1
o-Terphenyl (Surr)	92		70 - 130			01/19/23 08:35	01/19/23 17:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	961		5.00	mg/Kg			01/20/23 22:19	1

Client Sample ID: S37 3'

Lab Sample ID: 880-23720-68

Date Collected: 01/13/23 09:20

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:17	01/21/23 14:50	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:17	01/21/23 14:50	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:17	01/21/23 14:50	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/19/23 13:17	01/21/23 14:50	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:17	01/21/23 14:50	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/19/23 13:17	01/21/23 14:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			01/19/23 13:17	01/21/23 14:50	1
1,4-Difluorobenzene (Surr)	115		70 - 130			01/19/23 13:17	01/21/23 14:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/20/23 11:57	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/19/23 08:35	01/19/23 17:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/19/23 08:35	01/19/23 17:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/19/23 08:35	01/19/23 17:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			01/19/23 08:35	01/19/23 17:58	1
o-Terphenyl (Surr)	99		70 - 130			01/19/23 08:35	01/19/23 17:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	159		5.03	mg/Kg			01/20/23 22:25	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S37 5'

Date Collected: 01/13/23 09:25

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-69

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:17	01/21/23 15:11	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:17	01/21/23 15:11	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:17	01/21/23 15:11	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:17	01/21/23 15:11	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:17	01/21/23 15:11	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:17	01/21/23 15:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	01/19/23 13:17	01/21/23 15:11	1
1,4-Difluorobenzene (Surr)	116		70 - 130	01/19/23 13:17	01/21/23 15:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/20/23 11:57	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/19/23 08:35	01/19/23 18:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/19/23 08:35	01/19/23 18:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/19/23 08:35	01/19/23 18:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130	01/19/23 08:35	01/19/23 18:19	1
o-Terphenyl (Surr)	103		70 - 130	01/19/23 08:35	01/19/23 18:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	249		5.02	mg/Kg			01/20/23 22:31	1

Client Sample ID: S37 7'

Date Collected: 01/13/23 09:30

Date Received: 01/16/23 11:55

Lab Sample ID: 880-23720-70

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:17	01/21/23 15:31	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:17	01/21/23 15:31	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:17	01/21/23 15:31	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 13:17	01/21/23 15:31	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 13:17	01/21/23 15:31	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 13:17	01/21/23 15:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	01/19/23 13:17	01/21/23 15:31	1
1,4-Difluorobenzene (Surr)	117		70 - 130	01/19/23 13:17	01/21/23 15:31	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S37 7'

Lab Sample ID: 880-23720-70

Date Collected: 01/13/23 09:30

Matrix: Solid

Date Received: 01/16/23 11:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/20/23 11:57	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/19/23 08:35	01/19/23 18:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/19/23 08:35	01/19/23 18:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/19/23 08:35	01/19/23 18:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130			01/19/23 08:35	01/19/23 18:41	1
o-Terphenyl (Surr)	106		70 - 130			01/19/23 08:35	01/19/23 18:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	154		4.98	mg/Kg			01/20/23 22:37	1

Client Sample ID: West

Lab Sample ID: 880-23720-71

Date Collected: 01/13/23 09:35

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:17	01/21/23 17:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:17	01/21/23 17:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:17	01/21/23 17:22	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/19/23 13:17	01/21/23 17:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:17	01/21/23 17:22	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/19/23 13:17	01/21/23 17:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			01/19/23 13:17	01/21/23 17:22	1
1,4-Difluorobenzene (Surr)	114		70 - 130			01/19/23 13:17	01/21/23 17:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/23/23 12:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/20/23 11:57	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/19/23 08:35	01/19/23 19:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/19/23 08:35	01/19/23 19:02	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: West

Lab Sample ID: 880-23720-71

Date Collected: 01/13/23 09:35

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/19/23 08:35	01/19/23 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130	01/19/23 08:35	01/19/23 19:02	1
o-Terphenyl (Surr)	90		70 - 130	01/19/23 08:35	01/19/23 19:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	154		4.96	mg/Kg			01/20/23 22:43	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-23720-1	S20 1'	120	86
880-23720-1 MS	S20 1'	117	93
880-23720-1 MSD	S20 1'	84	84
880-23720-2	S20 3'	128	91
880-23720-3	S20 5'	134 S1+	95
880-23720-4	S20 10'	128	73
880-23720-5	S20 13'	107	80
880-23720-6	S26 1'	140 S1+	89
880-23720-7	S26 3'	120	88
880-23720-8	S26 5'	121	85
880-23720-9	S26 10'	125	89
880-23720-10	S25 1'	84	81
880-23720-11	S25 3'	113	83
880-23720-12	S25 5'	107	73
880-23720-13	S25 10'	108	86
880-23720-14	S24 1'	128	86
880-23720-15	S24 3'	131 S1+	93
880-23720-16	S24 6'	109	80
880-23720-17	S15 1'	102	83
880-23720-18	S15 3'	116	82
880-23720-19	S15 5'	139 S1+	89
880-23720-20	S15 10'	136 S1+	87
880-23720-21	S4 1'	114	110
880-23720-21 MS	S4 1'	94	113
880-23720-21 MSD	S4 1'	106	104
880-23720-22	S4 3'	103	110
880-23720-23	S4 5'	106	110
880-23720-24	S4 6'	101	114
880-23720-25	S5 1'	107	105
880-23720-26	S5 3'	106	116
880-23720-27	S5 5'	106	117
880-23720-28	S5 10'	106	113
880-23720-29	S11 1'	114	115
880-23720-30	S11 3'	109	115
880-23720-31	S11 5'	103	111
880-23720-32	S11 6'	103	110
880-23720-33	S9 1'	105	113
880-23720-34	S9 3'	107	112
880-23720-35	S9 5'	103	115
880-23720-36	S10 1'	99	115
880-23720-37	S10 3'	100	116
880-23720-38	S10 5'	102	114
880-23720-39	S10 7'	102	114
880-23720-40	S27 1'	84	94
880-23720-41	S27 3'	78	81
880-23720-41 MS	S27 3'	125	97
880-23720-41 MSD	S27 3'	119	99
880-23720-42	S27 5'	88	92
880-23720-43	S28 1'	74	83

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-23720-1

Project/Site: Pliney Elder

SDG: 22-0107-02

Method: 8021B - Volatile Organic Compounds (GC) (Continued)**Matrix: Solid****Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-23720-44	S28 3'	90	97
880-23720-45	S28 5'	87	85
880-23720-46	S28 7'	86	66 S1-
880-23720-47	S29 1'	91	80
880-23720-48	S29 3'	89	84
880-23720-49	S29 5'	89	92
880-23720-50	S29 7'	79	72
880-23720-51	S30 1'	85	90
880-23720-52	S30 3'	90	66 S1-
880-23720-53	S30 5'	114	84
880-23720-54	S30 7'	116	76
880-23720-55	S31 1'	78	72
880-23720-56	S31 3'	109	79
880-23720-57	S31 5'	86	93
880-23720-58	S31 6.5'	121	79
880-23720-59	S32 1'	120	89
880-23720-60	S32 3'	81	88
880-23720-61	S32 5'	94	116
880-23720-61 MS	S32 5'	98	113
880-23720-61 MSD	S32 5'	101	112
880-23720-62	S32 10'	109	112
880-23720-63	S33 1'	101	114
880-23720-64	S33 3'	98	115
880-23720-65	S33 5'	98	115
880-23720-66	S33 10'	98	117
880-23720-67	S37 1'	102	119
880-23720-68	S37 3'	95	115
880-23720-69	S37 5'	97	116
880-23720-70	S37 7'	100	117
880-23720-71	West	95	114
LCS 880-44339/1-A	Lab Control Sample	120	104
LCS 880-44340/1-A	Lab Control Sample	92	114
LCS 880-44341/1-A	Lab Control Sample	116	99
LCS 880-44342/1-A	Lab Control Sample	96	114
LCSD 880-44339/2-A	Lab Control Sample Dup	116	98
LCSD 880-44340/2-A	Lab Control Sample Dup	94	112
LCSD 880-44341/2-A	Lab Control Sample Dup	112	103
LCSD 880-44342/2-A	Lab Control Sample Dup	96	115
MB 880-44339/5-A	Method Blank	125	89
MB 880-44340/5-A	Method Blank	97	112
MB 880-44341/5-A	Method Blank	77	90
MB 880-44342/5-A	Method Blank	95	111
MB 880-44393/5-A	Method Blank	95	110

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Eurofins Midland

Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-23720-1

Project/Site: Pliney Elder

SDG: 22-0107-02

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-23720-1	S20 1'	111	119
880-23720-1 MS	S20 1'	77	70
880-23720-1 MSD	S20 1'	83	78
880-23720-2	S20 3'	86	91
880-23720-3	S20 5'	75	76
880-23720-4	S20 10'	40 S1-	35 S1-
880-23720-5	S20 13'	61 S1-	54 S1-
880-23720-6	S26 1'	83	85
880-23720-7	S26 3'	79	82
880-23720-8	S26 5'	55 S1-	52 S1-
880-23720-9	S26 10'	58 S1-	57 S1-
880-23720-10	S25 1'	67 S1-	66 S1-
880-23720-11	S25 3'	70	72
880-23720-12	S25 5'	71	71
880-23720-13	S25 10'	59 S1-	55 S1-
880-23720-14	S24 1'	81	82
880-23720-15	S24 3'	55 S1-	54 S1-
880-23720-16	S24 6'	42 S1-	37 S1-
880-23720-17	S15 1'	85	90
880-23720-18	S15 3'	82	85
880-23720-19	S15 5'	94	99
880-23720-20	S15 10'	91	92
880-23720-21	S4 1'	119	124
880-23720-21 MS	S4 1'	92	86
880-23720-21 MSD	S4 1'	103	99
880-23720-22	S4 3'	100	105
880-23720-23	S4 5'	103	109
880-23720-24	S4 6'	105	108
880-23720-25	S5 1'	108	114
880-23720-26	S5 3'	117	123
880-23720-27	S5 5'	121	123
880-23720-28	S5 10'	113	113
880-23720-29	S11 1'	106	109
880-23720-30	S11 3'	110	116
880-23720-31	S11 5'	98	102
880-23720-32	S11 6'	106	109
880-23720-33	S9 1'	94	93
880-23720-34	S9 3'	95	98
880-23720-35	S9 5'	103	103
880-23720-36	S10 1'	105	107
880-23720-37	S10 3'	98	102
880-23720-38	S10 5'	65 S1-	64 S1-
880-23720-39	S10 7'	24 S1-	16 S1-
880-23720-40	S27 1'	41 S1-	36 S1-
880-23720-41	S27 3'	106	89
880-23720-41 MS	S27 3'	43 S1-	30 S1-
880-23720-41 MSD	S27 3'	105	90
880-23720-42	S27 5'	118	108
880-23720-43	S28 1'	111	107
880-23720-44	S28 3'	128	123

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-23720-1

Project/Site: Pliney Elder

SDG: 22-0107-02

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-23720-45	S28 5'	134 S1+	127
880-23720-46	S28 7'	120	121
880-23720-47	S29 1'	138 S1+	132 S1+
880-23720-48	S29 3'	145 S1+	142 S1+
880-23720-49	S29 5'	130	120
880-23720-50	S29 7'	120	106
880-23720-51	S30 1'	124	110
880-23720-52	S30 3'	119	109
880-23720-53	S30 5'	115	112
880-23720-54	S30 7'	131 S1+	120
880-23720-55	S31 1'	119	118
880-23720-56	S31 3'	133 S1+	121
880-23720-57	S31 5'	122	113
880-23720-58	S31 6.5'	76	68 S1-
880-23720-59	S32 1'	107	99
880-23720-60	S32 3'	125	109
880-23720-61	S32 5'	113	104
880-23720-61 MS	S32 5'	106	90
880-23720-61 MSD	S32 5'	90	78
880-23720-62	S32 10'	113	105
880-23720-63	S33 1'	112	107
880-23720-64	S33 3'	104	102
880-23720-65	S33 5'	113	107
880-23720-66	S33 10'	75	73
880-23720-67	S37 1'	95	92
880-23720-68	S37 3'	104	99
880-23720-69	S37 5'	108	103
880-23720-70	S37 7'	112	106
880-23720-71	West	94	90
LCS 880-44274/2-A	Lab Control Sample	128	132 S1+
LCS 880-44275/2-A	Lab Control Sample	130	134 S1+
LCS 880-44284/2-A	Lab Control Sample	162 S1+	159 S1+
LCS 880-44313/2-A	Lab Control Sample	202 S1+	196 S1+
LCSD 880-44274/3-A	Lab Control Sample Dup	99	101
LCSD 880-44275/3-A	Lab Control Sample Dup	105	105
LCSD 880-44284/3-A	Lab Control Sample Dup	120	114
LCSD 880-44313/3-A	Lab Control Sample Dup	121	118
MB 880-44274/1-A	Method Blank	103	107
MB 880-44275/1-A	Method Blank	101	110
MB 880-44284/1-A	Method Blank	178 S1+	161 S1+
MB 880-44313/1-A	Method Blank	106	105

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-44339/5-A

Matrix: Solid

Analysis Batch: 44420

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44339

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 12:30	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 12:30	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 12:30	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/19/23 13:11	01/20/23 12:30	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:11	01/20/23 12:30	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/19/23 13:11	01/20/23 12:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	01/19/23 13:11	01/20/23 12:30	1
1,4-Difluorobenzene (Surr)	89		70 - 130	01/19/23 13:11	01/20/23 12:30	1

Lab Sample ID: LCS 880-44339/1-A

Matrix: Solid

Analysis Batch: 44420

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44339

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1159		mg/Kg		116	70 - 130
Toluene	0.100	0.09890		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.09869		mg/Kg		99	70 - 130
m,p-Xylenes	0.200	0.2157		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1078		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-44339/2-A

Matrix: Solid

Analysis Batch: 44420

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44339

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09820		mg/Kg		98	70 - 130	17	35
Toluene	0.100	0.09151		mg/Kg		92	70 - 130	8	35
Ethylbenzene	0.100	0.08654		mg/Kg		87	70 - 130	13	35
m,p-Xylenes	0.200	0.1884		mg/Kg		94	70 - 130	14	35
o-Xylene	0.100	0.09709		mg/Kg		97	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-23720-1 MS

Matrix: Solid

Analysis Batch: 44420

Client Sample ID: S20 1'

Prep Type: Total/NA

Prep Batch: 44339

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F1	0.0998	0.09743		mg/Kg		98	70 - 130
Toluene	<0.00202	U F1	0.0998	0.08577		mg/Kg		86	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-23720-1 MS

Matrix: Solid

Analysis Batch: 44420

Client Sample ID: S20 1'

Prep Type: Total/NA

Prep Batch: 44339

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U F1	0.0998	0.08038		mg/Kg		81	70 - 130
m,p-Xylenes	<0.00403	U F1	0.200	0.1735		mg/Kg		87	70 - 130
o-Xylene	<0.00202	U F1 F2	0.0998	0.08712		mg/Kg		87	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 880-23720-1 MSD

Matrix: Solid

Analysis Batch: 44420

Client Sample ID: S20 1'

Prep Type: Total/NA

Prep Batch: 44339

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00202	U F1	0.100	<0.00200	U F1	mg/Kg		0	70 - 130	NC	35
Toluene	<0.00202	U F1	0.100	<0.00200	U F1	mg/Kg		0	70 - 130	NC	35
Ethylbenzene	<0.00202	U F1	0.100	<0.00200	U F1	mg/Kg		0	70 - 130	NC	35
m,p-Xylenes	<0.00403	U F1	0.200	<0.00401	U F1	mg/Kg		0	70 - 130	NC	35
o-Xylene	<0.00202	U F1 F2	0.100	0.002378	F1 F2	mg/Kg		2	70 - 130	189	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: MB 880-44340/5-A

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44340

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 00:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 00:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 00:19	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/19/23 13:13	01/21/23 00:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:13	01/21/23 00:19	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/19/23 13:13	01/21/23 00:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	01/19/23 13:13	01/21/23 00:19	1
1,4-Difluorobenzene (Surr)	112		70 - 130	01/19/23 13:13	01/21/23 00:19	1

Lab Sample ID: LCS 880-44340/1-A

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44340

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09802		mg/Kg		98	70 - 130
Toluene	0.100	0.09115		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.08735		mg/Kg		87	70 - 130
m,p-Xylenes	0.200	0.1775		mg/Kg		89	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-44340/1-A

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44340

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.08542		mg/Kg		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: LCSD 880-44340/2-A

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44340

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09589		mg/Kg		96	70 - 130	2	35
Toluene	0.100	0.08992		mg/Kg		90	70 - 130	1	35
Ethylbenzene	0.100	0.08549		mg/Kg		85	70 - 130	2	35
m,p-Xylenes	0.200	0.1745		mg/Kg		87	70 - 130	2	35
o-Xylene	0.100	0.08467		mg/Kg		85	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-23720-21 MS

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: S4 1'

Prep Type: Total/NA

Prep Batch: 44340

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F2 F1	0.0998	0.07564		mg/Kg		76	70 - 130
Toluene	<0.00201	U F2 F1	0.0998	0.06596	F1	mg/Kg		66	70 - 130
Ethylbenzene	<0.00201	U F2 F1	0.0998	0.06614	F1	mg/Kg		66	70 - 130
m,p-Xylenes	<0.00402	U F2 F1	0.200	0.07674	F1	mg/Kg		38	70 - 130
o-Xylene	<0.00201	U F2 F1	0.0998	0.06506	F1	mg/Kg		65	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 880-23720-21 MSD

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: S4 1'

Prep Type: Total/NA

Prep Batch: 44340

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U F2 F1	0.100	0.03070	F2 F1	mg/Kg		31	70 - 130	85	35
Toluene	<0.00201	U F2 F1	0.100	0.03148	F2 F1	mg/Kg		31	70 - 130	71	35
Ethylbenzene	<0.00201	U F2 F1	0.100	0.03528	F2 F1	mg/Kg		35	70 - 130	61	35
m,p-Xylenes	<0.00402	U F2 F1	0.200	0.03350	F2 F1	mg/Kg		17	70 - 130	78	35
o-Xylene	<0.00201	U F2 F1	0.100	0.03872	F2 F1	mg/Kg		39	70 - 130	51	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-23720-21 MSD

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: S4 1'

Prep Type: Total/NA

Prep Batch: 44340

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-44341/5-A

Matrix: Solid

Analysis Batch: 44464

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44341

Analyte	MB	MB							
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:15	01/20/23 16:23	1	
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:15	01/20/23 16:23	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:15	01/20/23 16:23	1	
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/19/23 13:15	01/20/23 16:23	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:15	01/20/23 16:23	1	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/19/23 13:15	01/20/23 16:23	1	

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac		
4-Bromofluorobenzene (Surr)	77		70 - 130	01/19/23 13:15	01/20/23 16:23	1			
1,4-Difluorobenzene (Surr)	90		70 - 130	01/19/23 13:15	01/20/23 16:23	1			

Lab Sample ID: LCS 880-44341/1-A

Matrix: Solid

Analysis Batch: 44464

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44341

Analyte	Spike	LCS	LCS						
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	
Benzene	0.100	0.1014		mg/Kg		101		70 - 130	
Toluene	0.100	0.1025		mg/Kg		103		70 - 130	
Ethylbenzene	0.100	0.1121		mg/Kg		112		70 - 130	
m,p-Xylenes	0.200	0.2381		mg/Kg		119		70 - 130	
o-Xylene	0.100	0.1181		mg/Kg		118		70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-44341/2-A

Matrix: Solid

Analysis Batch: 44464

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44341

Analyte	Spike	LCSD	LCSD							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09766		mg/Kg		98		70 - 130	4	35
Toluene	0.100	0.09517		mg/Kg		95		70 - 130	7	35
Ethylbenzene	0.100	0.09976		mg/Kg		100		70 - 130	12	35
m,p-Xylenes	0.200	0.2126		mg/Kg		106		70 - 130	11	35
o-Xylene	0.100	0.1051		mg/Kg		105		70 - 130	12	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-44341/2-A

Matrix: Solid

Analysis Batch: 44464

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44341

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-23720-41 MS

Matrix: Solid

Analysis Batch: 44464

Client Sample ID: S27 3'

Prep Type: Total/NA

Prep Batch: 44341

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.08109		mg/Kg		81	70 - 130
Toluene	<0.00201	U	0.100	0.08752		mg/Kg		87	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.09841		mg/Kg		98	70 - 130
m,p-Xylenes	<0.00402	U	0.200	0.2110		mg/Kg		105	70 - 130
o-Xylene	<0.00201	U	0.100	0.1041		mg/Kg		104	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	125		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-23720-41 MSD

Matrix: Solid

Analysis Batch: 44464

Client Sample ID: S27 3'

Prep Type: Total/NA

Prep Batch: 44341

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U	0.0990	0.07994		mg/Kg		81	70 - 130	1	35
Toluene	<0.00201	U	0.0990	0.08283		mg/Kg		83	70 - 130	6	35
Ethylbenzene	<0.00201	U	0.0990	0.08957		mg/Kg		90	70 - 130	9	35
m,p-Xylenes	<0.00402	U	0.198	0.1885		mg/Kg		95	70 - 130	11	35
o-Xylene	<0.00201	U	0.0990	0.09356		mg/Kg		94	70 - 130	11	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-44342/5-A

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44342

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:17	01/21/23 11:57	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:17	01/21/23 11:57	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:17	01/21/23 11:57	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/19/23 13:17	01/21/23 11:57	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 13:17	01/21/23 11:57	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/19/23 13:17	01/21/23 11:57	1

	MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	95		70 - 130	01/19/23 13:17	01/21/23 11:57	1		
1,4-Difluorobenzene (Surr)	111		70 - 130	01/19/23 13:17	01/21/23 11:57	1		

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-44342/1-A

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44342

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09578		mg/Kg		96	70 - 130
Toluene	0.100	0.08907		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.08538		mg/Kg		85	70 - 130
m,p-Xylenes	0.200	0.1726		mg/Kg		86	70 - 130
o-Xylene	0.100	0.08413		mg/Kg		84	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: LCSD 880-44342/2-A

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44342

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09760		mg/Kg		98	70 - 130	2	35
Toluene	0.100	0.09010		mg/Kg		90	70 - 130	1	35
Ethylbenzene	0.100	0.08582		mg/Kg		86	70 - 130	1	35
m,p-Xylenes	0.200	0.1730		mg/Kg		86	70 - 130	0	35
o-Xylene	0.100	0.08489		mg/Kg		85	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: 880-23720-61 MS

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: S32 5'

Prep Type: Total/NA

Prep Batch: 44342

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F2 F1	0.0996	0.06497	F1	mg/Kg		65	70 - 130
Toluene	<0.00202	U F2 F1	0.0996	0.06294	F1	mg/Kg		63	70 - 130
Ethylbenzene	<0.00202	U F2 F1	0.0996	0.06079	F1	mg/Kg		61	70 - 130
m,p-Xylenes	<0.00404	U F2 F1	0.199	0.1231	F1	mg/Kg		62	70 - 130
o-Xylene	<0.00202	U F2 F1	0.0996	0.06114	F1	mg/Kg		61	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 880-23720-61 MSD

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: S32 5'

Prep Type: Total/NA

Prep Batch: 44342

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F2 F1	0.0990	0.02872	F2 F1	mg/Kg		29	70 - 130	77	35
Toluene	<0.00202	U F2 F1	0.0990	0.02996	F2 F1	mg/Kg		30	70 - 130	71	35
Ethylbenzene	<0.00202	U F2 F1	0.0990	0.03097	F2 F1	mg/Kg		31	70 - 130	65	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-23720-61 MSD

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: S32 5'

Prep Type: Total/NA

Prep Batch: 44342

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m,p-Xylenes	<0.00404	U F2 F1	0.198	0.06516	F2 F1	mg/Kg		33	70 - 130	62	35
o-Xylene	<0.00202	U F2 F1	0.0990	0.03524	F2 F1	mg/Kg		36	70 - 130	54	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	101		70 - 130								
1,4-Difluorobenzene (Surr)	112		70 - 130								

Lab Sample ID: MB 880-44393/5-A

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44393

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 16:39	01/20/23 12:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 16:39	01/20/23 12:04	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 16:39	01/20/23 12:04	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/19/23 16:39	01/20/23 12:04	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 16:39	01/20/23 12:04	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/19/23 16:39	01/20/23 12:04	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			01/19/23 16:39	01/20/23 12:04	1
1,4-Difluorobenzene (Surr)	110		70 - 130			01/19/23 16:39	01/20/23 12:04	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-44274/1-A

Matrix: Solid

Analysis Batch: 44519

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44274

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/18/23 14:39	01/23/23 10:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/18/23 14:39	01/23/23 10:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/18/23 14:39	01/23/23 10:22	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			01/18/23 14:39	01/23/23 10:22	1
o-Terphenyl (Surr)	107		70 - 130			01/18/23 14:39	01/23/23 10:22	1

Lab Sample ID: LCS 880-44274/2-A

Matrix: Solid

Analysis Batch: 44519

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44274

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	891.2		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1078		mg/Kg		108	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-44274/2-A

Matrix: Solid

Analysis Batch: 44519

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44274

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	128		70 - 130
o-Terphenyl (Surr)	132	S1+	70 - 130

Lab Sample ID: LCSD 880-44274/3-A

Matrix: Solid

Analysis Batch: 44519

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44274

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	977.9		mg/Kg		98	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	1046		mg/Kg		105	70 - 130	3	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	99		70 - 130
o-Terphenyl (Surr)	101		70 - 130

Lab Sample ID: 880-23720-1 MS

Matrix: Solid

Analysis Batch: 44519

Client Sample ID: S20 1'

Prep Type: Total/NA

Prep Batch: 44274

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	763.6		mg/Kg		77	70 - 130
Diesel Range Organics (Over C10-C28)	210	F1	998	857.9	F1	mg/Kg		65	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	77		70 - 130
o-Terphenyl (Surr)	70		70 - 130

Lab Sample ID: 880-23720-1 MSD

Matrix: Solid

Analysis Batch: 44519

Client Sample ID: S20 1'

Prep Type: Total/NA

Prep Batch: 44274

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	838.3		mg/Kg		84	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	210	F1	997	940.4		mg/Kg		73	70 - 130	9	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	83		70 - 130
o-Terphenyl (Surr)	78		70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-44275/1-A

Matrix: Solid

Analysis Batch: 44519

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44275

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/18/23 14:42	01/23/23 22:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/18/23 14:42	01/23/23 22:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/18/23 14:42	01/23/23 22:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130	01/18/23 14:42	01/23/23 22:18	1
o-Terphenyl (Surr)	110		70 - 130	01/18/23 14:42	01/23/23 22:18	1

Lab Sample ID: LCS 880-44275/2-A

Matrix: Solid

Analysis Batch: 44519

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44275

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1073		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1082		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	130		70 - 130
o-Terphenyl (Surr)	134	S1+	70 - 130

Lab Sample ID: LCSD 880-44275/3-A

Matrix: Solid

Analysis Batch: 44519

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44275

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1063		mg/Kg		106	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1099		mg/Kg		110	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	105		70 - 130
o-Terphenyl (Surr)	105		70 - 130

Lab Sample ID: 880-23720-21 MS

Matrix: Solid

Analysis Batch: 44519

Client Sample ID: S4 1'

Prep Type: Total/NA

Prep Batch: 44275

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1153		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1000		mg/Kg		98	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-23720-21 MS

Matrix: Solid

Analysis Batch: 44519

Client Sample ID: S4 1'

Prep Type: Total/NA

Prep Batch: 44275

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	92		70 - 130
o-Terphenyl (Surr)	86		70 - 130

Lab Sample ID: 880-23720-21 MSD

Matrix: Solid

Analysis Batch: 44519

Client Sample ID: S4 1'

Prep Type: Total/NA

Prep Batch: 44275

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	956.1		mg/Kg		94	70 - 130	19	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1148		mg/Kg		113	70 - 130	14	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	103		70 - 130
o-Terphenyl (Surr)	99		70 - 130

Lab Sample ID: MB 880-44284/1-A

Matrix: Solid

Analysis Batch: 44896

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44284

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/18/23 15:18	01/28/23 01:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/18/23 15:18	01/28/23 01:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/18/23 15:18	01/28/23 01:58	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane (Surr)	178	S1+	70 - 130	01/18/23 15:18	01/28/23 01:58	1
o-Terphenyl (Surr)	161	S1+	70 - 130	01/18/23 15:18	01/28/23 01:58	1

Lab Sample ID: LCS 880-44284/2-A

Matrix: Solid

Analysis Batch: 44896

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44284

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1260		mg/Kg		126	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1229		mg/Kg		123	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	162	S1+	70 - 130
o-Terphenyl (Surr)	159	S1+	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-44284/3-A

Matrix: Solid

Analysis Batch: 44896

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44284

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1280		mg/Kg		128	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1252		mg/Kg		125	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	120		70 - 130						
o-Terphenyl (Surr)	114		70 - 130						

Lab Sample ID: 880-23720-41 MS

Matrix: Solid

Analysis Batch: 44896

Client Sample ID: S27 3'

Prep Type: Total/NA

Prep Batch: 44284

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2 F1	998	524.9	F1	mg/Kg		50	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F2 F1	998	376.7	F1	mg/Kg		38	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane (Surr)	43	S1-	70 - 130								
o-Terphenyl (Surr)	30	S1-	70 - 130								

Lab Sample ID: 880-23720-41 MSD

Matrix: Solid

Analysis Batch: 44896

Client Sample ID: S27 3'

Prep Type: Total/NA

Prep Batch: 44284

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2 F1	997	1225	F2	mg/Kg		120	70 - 130	80	20
Diesel Range Organics (Over C10-C28)	<49.9	U F2 F1	997	1069	F2	mg/Kg		107	70 - 130	96	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	105		70 - 130								
o-Terphenyl (Surr)	90		70 - 130								

Lab Sample ID: MB 880-44313/1-A

Matrix: Solid

Analysis Batch: 44307

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44313

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/19/23 08:05	01/19/23 08:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/19/23 08:05	01/19/23 08:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/19/23 08:05	01/19/23 08:23	1

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-44313/1-A

Matrix: Solid

Analysis Batch: 44307

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44313

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
1-Chlorooctane (Surr)	106		70 - 130	01/19/23 08:05	01/19/23 08:23	1				
o-Terphenyl (Surr)	105		70 - 130	01/19/23 08:05	01/19/23 08:23	1				

Lab Sample ID: LCS 880-44313/2-A

Matrix: Solid

Analysis Batch: 44307

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44313

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1095		mg/Kg		109	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1115		mg/Kg		112	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	202	S1+	70 - 130
o-Terphenyl (Surr)	196	S1+	70 - 130

Lab Sample ID: LCSD 880-44313/3-A

Matrix: Solid

Analysis Batch: 44307

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44313

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	988.4		mg/Kg		99	70 - 130	10	20
Diesel Range Organics (Over C10-C28)			1000	995.3		mg/Kg		100	70 - 130	11	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	121		70 - 130
o-Terphenyl (Surr)	118		70 - 130

Lab Sample ID: 880-23720-61 MS

Matrix: Solid

Analysis Batch: 44307

Client Sample ID: S32 5'

Prep Type: Total/NA

Prep Batch: 44313

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1016		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1053		mg/Kg		105	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	106		70 - 130
o-Terphenyl (Surr)	90		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-23720-61 MSD

Matrix: Solid

Analysis Batch: 44307

Client Sample ID: S32 5'

Prep Type: Total/NA

Prep Batch: 44313

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	947.1		mg/Kg		92	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	922.3		mg/Kg		93	70 - 130	13	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	90		70 - 130								
o-Terphenyl (Surr)	78		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-44241/1-A

Matrix: Solid

Analysis Batch: 44476

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			01/20/23 13:48	1

Lab Sample ID: LCS 880-44241/2-A

Matrix: Solid

Analysis Batch: 44476

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	264.2		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-44241/3-A

Matrix: Solid

Analysis Batch: 44476

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	258.0		mg/Kg		103	90 - 110	2	20

Lab Sample ID: 880-23720-1 MS

Matrix: Solid

Analysis Batch: 44476

Client Sample ID: S20 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2010	F1	1260	3472	F1	mg/Kg		116	90 - 110

Lab Sample ID: 880-23720-1 MSD

Matrix: Solid

Analysis Batch: 44476

Client Sample ID: S20 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2010	F1	1260	3464	F1	mg/Kg		115	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-23720-11 MS

Matrix: Solid

Analysis Batch: 44476

Client Sample ID: S25 3'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	149	F1	248	433.8	F1	mg/Kg		115	90 - 110

Lab Sample ID: 880-23720-11 MSD

Matrix: Solid

Analysis Batch: 44476

Client Sample ID: S25 3'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	149	F1	248	431.7	F1	mg/Kg		114	90 - 110	0	20

Lab Sample ID: MB 880-44242/1-A

Matrix: Solid

Analysis Batch: 44495

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			01/20/23 12:51	1

Lab Sample ID: LCS 880-44242/2-A

Matrix: Solid

Analysis Batch: 44495

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	252.4		mg/Kg		101	90 - 110

Lab Sample ID: LCS 880-44242/3-A

Matrix: Solid

Analysis Batch: 44495

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	249.5		mg/Kg		100	90 - 110

Lab Sample ID: 880-23720-21 MS

Matrix: Solid

Analysis Batch: 44495

Client Sample ID: S4 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2100	F1	1260	3508	F1	mg/Kg		112	90 - 110

Lab Sample ID: 880-23720-21 MSD

Matrix: Solid

Analysis Batch: 44495

Client Sample ID: S4 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2100	F1	1260	3501	F1	mg/Kg		111	90 - 110	0	20

Lab Sample ID: 880-23720-31 MS

Matrix: Solid

Analysis Batch: 44495

Client Sample ID: S11 5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	12.2		250	270.6		mg/Kg		103	90 - 110

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-23720-31 MSD

Matrix: Solid

Analysis Batch: 44495

Client Sample ID: S11 5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12.2		250	267.5		mg/Kg		102	90 - 110	1	20

Lab Sample ID: MB 880-44243/1-A

Matrix: Solid

Analysis Batch: 44496

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			01/20/23 17:23	1

Lab Sample ID: LCS 880-44243/2-A

Matrix: Solid

Analysis Batch: 44496

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	272.3		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-44243/3-A

Matrix: Solid

Analysis Batch: 44496

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	271.4		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 880-23720-41 MS

Matrix: Solid

Analysis Batch: 44496

Client Sample ID: S27 3'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	146	F1	252	418.7		mg/Kg		108	90 - 110

Lab Sample ID: 880-23720-41 MSD

Matrix: Solid

Analysis Batch: 44496

Client Sample ID: S27 3'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	146	F1	252	424.9	F1	mg/Kg		111	90 - 110	1	20

Lab Sample ID: 880-23720-51 MS

Matrix: Solid

Analysis Batch: 44496

Client Sample ID: S30 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1320	F1	1250	2927	F1	mg/Kg		128	90 - 110

Lab Sample ID: 880-23720-51 MSD

Matrix: Solid

Analysis Batch: 44496

Client Sample ID: S30 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1320	F1	1250	2863	F1	mg/Kg		123	90 - 110	2	20

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-44244/1-A

Matrix: Solid

Analysis Batch: 44497

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			01/20/23 20:59	1

Lab Sample ID: LCS 880-44244/2-A

Matrix: Solid

Analysis Batch: 44497

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	267.2		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-44244/3-A

Matrix: Solid

Analysis Batch: 44497

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	268.6		mg/Kg		107	90 - 110	1	20

Lab Sample ID: 880-23720-61 MS

Matrix: Solid

Analysis Batch: 44497

Client Sample ID: S32 5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	64.6		251	334.1		mg/Kg		107	90 - 110

Lab Sample ID: 880-23720-61 MSD

Matrix: Solid

Analysis Batch: 44497

Client Sample ID: S32 5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	64.6		251	330.8		mg/Kg		106	90 - 110	1	20

Lab Sample ID: 880-23720-71 MS

Matrix: Solid

Analysis Batch: 44497

Client Sample ID: West

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	154		248	384.5		mg/Kg		93	90 - 110

Lab Sample ID: 880-23720-71 MSD

Matrix: Solid

Analysis Batch: 44497

Client Sample ID: West

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	154		248	385.1		mg/Kg		93	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

GC VOA

Prep Batch: 44339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-1	S20 1'	Total/NA	Solid	5035	
880-23720-2	S20 3'	Total/NA	Solid	5035	
880-23720-3	S20 5'	Total/NA	Solid	5035	
880-23720-4	S20 10'	Total/NA	Solid	5035	
880-23720-5	S20 13'	Total/NA	Solid	5035	
880-23720-6	S26 1'	Total/NA	Solid	5035	
880-23720-7	S26 3'	Total/NA	Solid	5035	
880-23720-8	S26 5'	Total/NA	Solid	5035	
880-23720-9	S26 10'	Total/NA	Solid	5035	
880-23720-10	S25 1'	Total/NA	Solid	5035	
880-23720-11	S25 3'	Total/NA	Solid	5035	
880-23720-12	S25 5'	Total/NA	Solid	5035	
880-23720-13	S25 10'	Total/NA	Solid	5035	
880-23720-14	S24 1'	Total/NA	Solid	5035	
880-23720-15	S24 3'	Total/NA	Solid	5035	
880-23720-16	S24 6'	Total/NA	Solid	5035	
880-23720-17	S15 1'	Total/NA	Solid	5035	
880-23720-18	S15 3'	Total/NA	Solid	5035	
880-23720-19	S15 5'	Total/NA	Solid	5035	
880-23720-20	S15 10'	Total/NA	Solid	5035	
MB 880-44339/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-44339/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-44339/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23720-1 MS	S20 1'	Total/NA	Solid	5035	
880-23720-1 MSD	S20 1'	Total/NA	Solid	5035	

Prep Batch: 44340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-21	S4 1'	Total/NA	Solid	5035	
880-23720-22	S4 3'	Total/NA	Solid	5035	
880-23720-23	S4 5'	Total/NA	Solid	5035	
880-23720-24	S4 6'	Total/NA	Solid	5035	
880-23720-25	S5 1'	Total/NA	Solid	5035	
880-23720-26	S5 3'	Total/NA	Solid	5035	
880-23720-27	S5 5'	Total/NA	Solid	5035	
880-23720-28	S5 10'	Total/NA	Solid	5035	
880-23720-29	S11 1'	Total/NA	Solid	5035	
880-23720-30	S11 3'	Total/NA	Solid	5035	
880-23720-31	S11 5'	Total/NA	Solid	5035	
880-23720-32	S11 6'	Total/NA	Solid	5035	
880-23720-33	S9 1'	Total/NA	Solid	5035	
880-23720-34	S9 3'	Total/NA	Solid	5035	
880-23720-35	S9 5'	Total/NA	Solid	5035	
880-23720-36	S10 1'	Total/NA	Solid	5035	
880-23720-37	S10 3'	Total/NA	Solid	5035	
880-23720-38	S10 5'	Total/NA	Solid	5035	
880-23720-39	S10 7'	Total/NA	Solid	5035	
880-23720-40	S27 1'	Total/NA	Solid	5035	
MB 880-44340/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-44340/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-44340/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

GC VOA (Continued)

Prep Batch: 44340 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-21 MS	S4 1'	Total/NA	Solid	5035	
880-23720-21 MSD	S4 1'	Total/NA	Solid	5035	

Prep Batch: 44341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-41	S27 3'	Total/NA	Solid	5035	
880-23720-42	S27 5'	Total/NA	Solid	5035	
880-23720-43	S28 1'	Total/NA	Solid	5035	
880-23720-44	S28 3'	Total/NA	Solid	5035	
880-23720-45	S28 5'	Total/NA	Solid	5035	
880-23720-46	S28 7'	Total/NA	Solid	5035	
880-23720-47	S29 1'	Total/NA	Solid	5035	
880-23720-48	S29 3'	Total/NA	Solid	5035	
880-23720-49	S29 5'	Total/NA	Solid	5035	
880-23720-50	S29 7'	Total/NA	Solid	5035	
880-23720-51	S30 1'	Total/NA	Solid	5035	
880-23720-52	S30 3'	Total/NA	Solid	5035	
880-23720-53	S30 5'	Total/NA	Solid	5035	
880-23720-54	S30 7'	Total/NA	Solid	5035	
880-23720-55	S31 1'	Total/NA	Solid	5035	
880-23720-56	S31 3'	Total/NA	Solid	5035	
880-23720-57	S31 5'	Total/NA	Solid	5035	
880-23720-58	S31 6.5'	Total/NA	Solid	5035	
880-23720-59	S32 1'	Total/NA	Solid	5035	
880-23720-60	S32 3'	Total/NA	Solid	5035	
MB 880-44341/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-44341/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-44341/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23720-41 MS	S27 3'	Total/NA	Solid	5035	
880-23720-41 MSD	S27 3'	Total/NA	Solid	5035	

Prep Batch: 44342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-61	S32 5'	Total/NA	Solid	5035	
880-23720-62	S32 10'	Total/NA	Solid	5035	
880-23720-63	S33 1'	Total/NA	Solid	5035	
880-23720-64	S33 3'	Total/NA	Solid	5035	
880-23720-65	S33 5'	Total/NA	Solid	5035	
880-23720-66	S33 10'	Total/NA	Solid	5035	
880-23720-67	S37 1'	Total/NA	Solid	5035	
880-23720-68	S37 3'	Total/NA	Solid	5035	
880-23720-69	S37 5'	Total/NA	Solid	5035	
880-23720-70	S37 7'	Total/NA	Solid	5035	
880-23720-71	West	Total/NA	Solid	5035	
MB 880-44342/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-44342/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-44342/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23720-61 MS	S32 5'	Total/NA	Solid	5035	
880-23720-61 MSD	S32 5'	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

GC VOA

Prep Batch: 44393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-44393/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 44418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-21	S4 1'	Total/NA	Solid	8021B	44340
880-23720-22	S4 3'	Total/NA	Solid	8021B	44340
880-23720-23	S4 5'	Total/NA	Solid	8021B	44340
880-23720-24	S4 6'	Total/NA	Solid	8021B	44340
880-23720-25	S5 1'	Total/NA	Solid	8021B	44340
880-23720-26	S5 3'	Total/NA	Solid	8021B	44340
880-23720-27	S5 5'	Total/NA	Solid	8021B	44340
880-23720-28	S5 10'	Total/NA	Solid	8021B	44340
880-23720-29	S11 1'	Total/NA	Solid	8021B	44340
880-23720-30	S11 3'	Total/NA	Solid	8021B	44340
880-23720-31	S11 5'	Total/NA	Solid	8021B	44340
880-23720-32	S11 6'	Total/NA	Solid	8021B	44340
880-23720-33	S9 1'	Total/NA	Solid	8021B	44340
880-23720-34	S9 3'	Total/NA	Solid	8021B	44340
880-23720-35	S9 5'	Total/NA	Solid	8021B	44340
880-23720-36	S10 1'	Total/NA	Solid	8021B	44340
880-23720-37	S10 3'	Total/NA	Solid	8021B	44340
880-23720-38	S10 5'	Total/NA	Solid	8021B	44340
880-23720-39	S10 7'	Total/NA	Solid	8021B	44340
880-23720-40	S27 1'	Total/NA	Solid	8021B	44340
880-23720-61	S32 5'	Total/NA	Solid	8021B	44342
880-23720-62	S32 10'	Total/NA	Solid	8021B	44342
880-23720-63	S33 1'	Total/NA	Solid	8021B	44342
880-23720-64	S33 3'	Total/NA	Solid	8021B	44342
880-23720-65	S33 5'	Total/NA	Solid	8021B	44342
880-23720-66	S33 10'	Total/NA	Solid	8021B	44342
880-23720-67	S37 1'	Total/NA	Solid	8021B	44342
880-23720-68	S37 3'	Total/NA	Solid	8021B	44342
880-23720-69	S37 5'	Total/NA	Solid	8021B	44342
880-23720-70	S37 7'	Total/NA	Solid	8021B	44342
880-23720-71	West	Total/NA	Solid	8021B	44342
MB 880-44340/5-A	Method Blank	Total/NA	Solid	8021B	44340
MB 880-44342/5-A	Method Blank	Total/NA	Solid	8021B	44342
MB 880-44393/5-A	Method Blank	Total/NA	Solid	8021B	44393
LCS 880-44340/1-A	Lab Control Sample	Total/NA	Solid	8021B	44340
LCS 880-44342/1-A	Lab Control Sample	Total/NA	Solid	8021B	44342
LCSD 880-44340/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	44340
LCSD 880-44342/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	44342
880-23720-21 MS	S4 1'	Total/NA	Solid	8021B	44340
880-23720-21 MSD	S4 1'	Total/NA	Solid	8021B	44340
880-23720-61 MS	S32 5'	Total/NA	Solid	8021B	44342
880-23720-61 MSD	S32 5'	Total/NA	Solid	8021B	44342

Analysis Batch: 44420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-1	S20 1'	Total/NA	Solid	8021B	44339
880-23720-2	S20 3'	Total/NA	Solid	8021B	44339

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

GC VOA (Continued)

Analysis Batch: 44420 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-3	S20 5'	Total/NA	Solid	8021B	44339
880-23720-4	S20 10'	Total/NA	Solid	8021B	44339
880-23720-5	S20 13'	Total/NA	Solid	8021B	44339
880-23720-6	S26 1'	Total/NA	Solid	8021B	44339
880-23720-7	S26 3'	Total/NA	Solid	8021B	44339
880-23720-8	S26 5'	Total/NA	Solid	8021B	44339
880-23720-9	S26 10'	Total/NA	Solid	8021B	44339
880-23720-10	S25 1'	Total/NA	Solid	8021B	44339
880-23720-11	S25 3'	Total/NA	Solid	8021B	44339
880-23720-12	S25 5'	Total/NA	Solid	8021B	44339
880-23720-13	S25 10'	Total/NA	Solid	8021B	44339
880-23720-14	S24 1'	Total/NA	Solid	8021B	44339
880-23720-15	S24 3'	Total/NA	Solid	8021B	44339
880-23720-16	S24 6'	Total/NA	Solid	8021B	44339
880-23720-17	S15 1'	Total/NA	Solid	8021B	44339
880-23720-18	S15 3'	Total/NA	Solid	8021B	44339
880-23720-19	S15 5'	Total/NA	Solid	8021B	44339
880-23720-20	S15 10'	Total/NA	Solid	8021B	44339
MB 880-44339/5-A	Method Blank	Total/NA	Solid	8021B	44339
LCS 880-44339/1-A	Lab Control Sample	Total/NA	Solid	8021B	44339
LCSD 880-44339/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	44339
880-23720-1 MS	S20 1'	Total/NA	Solid	8021B	44339
880-23720-1 MSD	S20 1'	Total/NA	Solid	8021B	44339

Analysis Batch: 44464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-41	S27 3'	Total/NA	Solid	8021B	44341
880-23720-42	S27 5'	Total/NA	Solid	8021B	44341
880-23720-43	S28 1'	Total/NA	Solid	8021B	44341
880-23720-44	S28 3'	Total/NA	Solid	8021B	44341
880-23720-45	S28 5'	Total/NA	Solid	8021B	44341
880-23720-46	S28 7'	Total/NA	Solid	8021B	44341
880-23720-47	S29 1'	Total/NA	Solid	8021B	44341
880-23720-48	S29 3'	Total/NA	Solid	8021B	44341
880-23720-49	S29 5'	Total/NA	Solid	8021B	44341
880-23720-50	S29 7'	Total/NA	Solid	8021B	44341
880-23720-51	S30 1'	Total/NA	Solid	8021B	44341
880-23720-52	S30 3'	Total/NA	Solid	8021B	44341
880-23720-53	S30 5'	Total/NA	Solid	8021B	44341
880-23720-54	S30 7'	Total/NA	Solid	8021B	44341
880-23720-55	S31 1'	Total/NA	Solid	8021B	44341
880-23720-56	S31 3'	Total/NA	Solid	8021B	44341
880-23720-57	S31 5'	Total/NA	Solid	8021B	44341
880-23720-58	S31 6.5'	Total/NA	Solid	8021B	44341
880-23720-59	S32 1'	Total/NA	Solid	8021B	44341
880-23720-60	S32 3'	Total/NA	Solid	8021B	44341
MB 880-44341/5-A	Method Blank	Total/NA	Solid	8021B	44341
LCS 880-44341/1-A	Lab Control Sample	Total/NA	Solid	8021B	44341
LCSD 880-44341/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	44341
880-23720-41 MS	S27 3'	Total/NA	Solid	8021B	44341
880-23720-41 MSD	S27 3'	Total/NA	Solid	8021B	44341

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

GC VOA

Analysis Batch: 44490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-1	S20 1'	Total/NA	Solid	Total BTEX	
880-23720-2	S20 3'	Total/NA	Solid	Total BTEX	
880-23720-3	S20 5'	Total/NA	Solid	Total BTEX	
880-23720-4	S20 10'	Total/NA	Solid	Total BTEX	
880-23720-5	S20 13'	Total/NA	Solid	Total BTEX	
880-23720-6	S26 1'	Total/NA	Solid	Total BTEX	
880-23720-7	S26 3'	Total/NA	Solid	Total BTEX	
880-23720-8	S26 5'	Total/NA	Solid	Total BTEX	
880-23720-9	S26 10'	Total/NA	Solid	Total BTEX	
880-23720-10	S25 1'	Total/NA	Solid	Total BTEX	
880-23720-11	S25 3'	Total/NA	Solid	Total BTEX	
880-23720-12	S25 5'	Total/NA	Solid	Total BTEX	
880-23720-13	S25 10'	Total/NA	Solid	Total BTEX	
880-23720-14	S24 1'	Total/NA	Solid	Total BTEX	
880-23720-15	S24 3'	Total/NA	Solid	Total BTEX	
880-23720-16	S24 6'	Total/NA	Solid	Total BTEX	
880-23720-17	S15 1'	Total/NA	Solid	Total BTEX	
880-23720-18	S15 3'	Total/NA	Solid	Total BTEX	
880-23720-19	S15 5'	Total/NA	Solid	Total BTEX	
880-23720-20	S15 10'	Total/NA	Solid	Total BTEX	
880-23720-21	S4 1'	Total/NA	Solid	Total BTEX	
880-23720-22	S4 3'	Total/NA	Solid	Total BTEX	
880-23720-23	S4 5'	Total/NA	Solid	Total BTEX	
880-23720-24	S4 6'	Total/NA	Solid	Total BTEX	
880-23720-25	S5 1'	Total/NA	Solid	Total BTEX	
880-23720-26	S5 3'	Total/NA	Solid	Total BTEX	
880-23720-27	S5 5'	Total/NA	Solid	Total BTEX	
880-23720-28	S5 10'	Total/NA	Solid	Total BTEX	
880-23720-29	S11 1'	Total/NA	Solid	Total BTEX	
880-23720-30	S11 3'	Total/NA	Solid	Total BTEX	
880-23720-31	S11 5'	Total/NA	Solid	Total BTEX	
880-23720-32	S11 6'	Total/NA	Solid	Total BTEX	
880-23720-33	S9 1'	Total/NA	Solid	Total BTEX	
880-23720-34	S9 3'	Total/NA	Solid	Total BTEX	
880-23720-35	S9 5'	Total/NA	Solid	Total BTEX	
880-23720-36	S10 1'	Total/NA	Solid	Total BTEX	
880-23720-37	S10 3'	Total/NA	Solid	Total BTEX	
880-23720-38	S10 5'	Total/NA	Solid	Total BTEX	
880-23720-39	S10 7'	Total/NA	Solid	Total BTEX	
880-23720-40	S27 1'	Total/NA	Solid	Total BTEX	
880-23720-41	S27 3'	Total/NA	Solid	Total BTEX	
880-23720-42	S27 5'	Total/NA	Solid	Total BTEX	
880-23720-43	S28 1'	Total/NA	Solid	Total BTEX	
880-23720-44	S28 3'	Total/NA	Solid	Total BTEX	
880-23720-45	S28 5'	Total/NA	Solid	Total BTEX	
880-23720-46	S28 7'	Total/NA	Solid	Total BTEX	
880-23720-47	S29 1'	Total/NA	Solid	Total BTEX	
880-23720-48	S29 3'	Total/NA	Solid	Total BTEX	
880-23720-49	S29 5'	Total/NA	Solid	Total BTEX	
880-23720-50	S29 7'	Total/NA	Solid	Total BTEX	
880-23720-51	S30 1'	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

GC VOA (Continued)

Analysis Batch: 44490 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-52	S30 3'	Total/NA	Solid	Total BTEX	
880-23720-53	S30 5'	Total/NA	Solid	Total BTEX	
880-23720-54	S30 7'	Total/NA	Solid	Total BTEX	
880-23720-55	S31 1'	Total/NA	Solid	Total BTEX	
880-23720-56	S31 3'	Total/NA	Solid	Total BTEX	
880-23720-57	S31 5'	Total/NA	Solid	Total BTEX	
880-23720-58	S31 6.5'	Total/NA	Solid	Total BTEX	
880-23720-59	S32 1'	Total/NA	Solid	Total BTEX	
880-23720-60	S32 3'	Total/NA	Solid	Total BTEX	
880-23720-61	S32 5'	Total/NA	Solid	Total BTEX	
880-23720-62	S32 10'	Total/NA	Solid	Total BTEX	
880-23720-63	S33 1'	Total/NA	Solid	Total BTEX	
880-23720-64	S33 3'	Total/NA	Solid	Total BTEX	
880-23720-65	S33 5'	Total/NA	Solid	Total BTEX	
880-23720-66	S33 10'	Total/NA	Solid	Total BTEX	
880-23720-67	S37 1'	Total/NA	Solid	Total BTEX	
880-23720-68	S37 3'	Total/NA	Solid	Total BTEX	
880-23720-69	S37 5'	Total/NA	Solid	Total BTEX	
880-23720-70	S37 7'	Total/NA	Solid	Total BTEX	
880-23720-71	West	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 44274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-1	S20 1'	Total/NA	Solid	8015NM Prep	
880-23720-2	S20 3'	Total/NA	Solid	8015NM Prep	
880-23720-3	S20 5'	Total/NA	Solid	8015NM Prep	
880-23720-4	S20 10'	Total/NA	Solid	8015NM Prep	
880-23720-5	S20 13'	Total/NA	Solid	8015NM Prep	
880-23720-6	S26 1'	Total/NA	Solid	8015NM Prep	
880-23720-7	S26 3'	Total/NA	Solid	8015NM Prep	
880-23720-8	S26 5'	Total/NA	Solid	8015NM Prep	
880-23720-9	S26 10'	Total/NA	Solid	8015NM Prep	
880-23720-10	S25 1'	Total/NA	Solid	8015NM Prep	
880-23720-11	S25 3'	Total/NA	Solid	8015NM Prep	
880-23720-12	S25 5'	Total/NA	Solid	8015NM Prep	
880-23720-13	S25 10'	Total/NA	Solid	8015NM Prep	
880-23720-14	S24 1'	Total/NA	Solid	8015NM Prep	
880-23720-15	S24 3'	Total/NA	Solid	8015NM Prep	
880-23720-16	S24 6'	Total/NA	Solid	8015NM Prep	
880-23720-17	S15 1'	Total/NA	Solid	8015NM Prep	
880-23720-18	S15 3'	Total/NA	Solid	8015NM Prep	
880-23720-19	S15 5'	Total/NA	Solid	8015NM Prep	
880-23720-20	S15 10'	Total/NA	Solid	8015NM Prep	
MB 880-44274/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-44274/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-44274/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23720-1 MS	S20 1'	Total/NA	Solid	8015NM Prep	
880-23720-1 MSD	S20 1'	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

GC Semi VOA

Prep Batch: 44275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-21	S4 1'	Total/NA	Solid	8015NM Prep	
880-23720-22	S4 3'	Total/NA	Solid	8015NM Prep	
880-23720-23	S4 5'	Total/NA	Solid	8015NM Prep	
880-23720-24	S4 6'	Total/NA	Solid	8015NM Prep	
880-23720-25	S5 1'	Total/NA	Solid	8015NM Prep	
880-23720-26	S5 3'	Total/NA	Solid	8015NM Prep	
880-23720-27	S5 5'	Total/NA	Solid	8015NM Prep	
880-23720-28	S5 10'	Total/NA	Solid	8015NM Prep	
880-23720-29	S11 1'	Total/NA	Solid	8015NM Prep	
880-23720-30	S11 3'	Total/NA	Solid	8015NM Prep	
880-23720-31	S11 5'	Total/NA	Solid	8015NM Prep	
880-23720-32	S11 6'	Total/NA	Solid	8015NM Prep	
880-23720-33	S9 1'	Total/NA	Solid	8015NM Prep	
880-23720-34	S9 3'	Total/NA	Solid	8015NM Prep	
880-23720-35	S9 5'	Total/NA	Solid	8015NM Prep	
880-23720-36	S10 1'	Total/NA	Solid	8015NM Prep	
880-23720-37	S10 3'	Total/NA	Solid	8015NM Prep	
880-23720-38	S10 5'	Total/NA	Solid	8015NM Prep	
880-23720-39	S10 7'	Total/NA	Solid	8015NM Prep	
880-23720-40	S27 1'	Total/NA	Solid	8015NM Prep	
MB 880-44275/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-44275/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-44275/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23720-21 MS	S4 1'	Total/NA	Solid	8015NM Prep	
880-23720-21 MSD	S4 1'	Total/NA	Solid	8015NM Prep	

Prep Batch: 44284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-41	S27 3'	Total/NA	Solid	8015NM Prep	
880-23720-42	S27 5'	Total/NA	Solid	8015NM Prep	
880-23720-43	S28 1'	Total/NA	Solid	8015NM Prep	
880-23720-44	S28 3'	Total/NA	Solid	8015NM Prep	
880-23720-45	S28 5'	Total/NA	Solid	8015NM Prep	
880-23720-46	S28 7'	Total/NA	Solid	8015NM Prep	
880-23720-47	S29 1'	Total/NA	Solid	8015NM Prep	
880-23720-48	S29 3'	Total/NA	Solid	8015NM Prep	
880-23720-49	S29 5'	Total/NA	Solid	8015NM Prep	
880-23720-50	S29 7'	Total/NA	Solid	8015NM Prep	
880-23720-51	S30 1'	Total/NA	Solid	8015NM Prep	
880-23720-52	S30 3'	Total/NA	Solid	8015NM Prep	
880-23720-53	S30 5'	Total/NA	Solid	8015NM Prep	
880-23720-54	S30 7'	Total/NA	Solid	8015NM Prep	
880-23720-55	S31 1'	Total/NA	Solid	8015NM Prep	
880-23720-56	S31 3'	Total/NA	Solid	8015NM Prep	
880-23720-57	S31 5'	Total/NA	Solid	8015NM Prep	
880-23720-58	S31 6.5'	Total/NA	Solid	8015NM Prep	
880-23720-59	S32 1'	Total/NA	Solid	8015NM Prep	
880-23720-60	S32 3'	Total/NA	Solid	8015NM Prep	
MB 880-44284/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-44284/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-44284/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

GC Semi VOA (Continued)

Prep Batch: 44284 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-41 MS	S27 3'	Total/NA	Solid	8015NM Prep	
880-23720-41 MSD	S27 3'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 44307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-61	S32 5'	Total/NA	Solid	8015B NM	44313
880-23720-62	S32 10'	Total/NA	Solid	8015B NM	44313
880-23720-63	S33 1'	Total/NA	Solid	8015B NM	44313
880-23720-64	S33 3'	Total/NA	Solid	8015B NM	44313
880-23720-65	S33 5'	Total/NA	Solid	8015B NM	44313
880-23720-66	S33 10'	Total/NA	Solid	8015B NM	44313
880-23720-67	S37 1'	Total/NA	Solid	8015B NM	44313
880-23720-68	S37 3'	Total/NA	Solid	8015B NM	44313
880-23720-69	S37 5'	Total/NA	Solid	8015B NM	44313
880-23720-70	S37 7'	Total/NA	Solid	8015B NM	44313
880-23720-71	West	Total/NA	Solid	8015B NM	44313
MB 880-44313/1-A	Method Blank	Total/NA	Solid	8015B NM	44313
LCS 880-44313/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	44313
LCSD 880-44313/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	44313
880-23720-61 MS	S32 5'	Total/NA	Solid	8015B NM	44313
880-23720-61 MSD	S32 5'	Total/NA	Solid	8015B NM	44313

Prep Batch: 44313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-61	S32 5'	Total/NA	Solid	8015NM Prep	
880-23720-62	S32 10'	Total/NA	Solid	8015NM Prep	
880-23720-63	S33 1'	Total/NA	Solid	8015NM Prep	
880-23720-64	S33 3'	Total/NA	Solid	8015NM Prep	
880-23720-65	S33 5'	Total/NA	Solid	8015NM Prep	
880-23720-66	S33 10'	Total/NA	Solid	8015NM Prep	
880-23720-67	S37 1'	Total/NA	Solid	8015NM Prep	
880-23720-68	S37 3'	Total/NA	Solid	8015NM Prep	
880-23720-69	S37 5'	Total/NA	Solid	8015NM Prep	
880-23720-70	S37 7'	Total/NA	Solid	8015NM Prep	
880-23720-71	West	Total/NA	Solid	8015NM Prep	
MB 880-44313/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-44313/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-44313/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23720-61 MS	S32 5'	Total/NA	Solid	8015NM Prep	
880-23720-61 MSD	S32 5'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 44442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-1	S20 1'	Total/NA	Solid	8015 NM	
880-23720-2	S20 3'	Total/NA	Solid	8015 NM	
880-23720-3	S20 5'	Total/NA	Solid	8015 NM	
880-23720-4	S20 10'	Total/NA	Solid	8015 NM	
880-23720-5	S20 13'	Total/NA	Solid	8015 NM	
880-23720-6	S26 1'	Total/NA	Solid	8015 NM	
880-23720-7	S26 3'	Total/NA	Solid	8015 NM	
880-23720-8	S26 5'	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

GC Semi VOA (Continued)

Analysis Batch: 44442 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-9	S26 10'	Total/NA	Solid	8015 NM	
880-23720-10	S25 1'	Total/NA	Solid	8015 NM	
880-23720-11	S25 3'	Total/NA	Solid	8015 NM	
880-23720-12	S25 5'	Total/NA	Solid	8015 NM	
880-23720-13	S25 10'	Total/NA	Solid	8015 NM	
880-23720-14	S24 1'	Total/NA	Solid	8015 NM	
880-23720-15	S24 3'	Total/NA	Solid	8015 NM	
880-23720-16	S24 6'	Total/NA	Solid	8015 NM	
880-23720-17	S15 1'	Total/NA	Solid	8015 NM	
880-23720-18	S15 3'	Total/NA	Solid	8015 NM	
880-23720-19	S15 5'	Total/NA	Solid	8015 NM	
880-23720-20	S15 10'	Total/NA	Solid	8015 NM	
880-23720-21	S4 1'	Total/NA	Solid	8015 NM	
880-23720-22	S4 3'	Total/NA	Solid	8015 NM	
880-23720-23	S4 5'	Total/NA	Solid	8015 NM	
880-23720-24	S4 6'	Total/NA	Solid	8015 NM	
880-23720-25	S5 1'	Total/NA	Solid	8015 NM	
880-23720-26	S5 3'	Total/NA	Solid	8015 NM	
880-23720-27	S5 5'	Total/NA	Solid	8015 NM	
880-23720-28	S5 10'	Total/NA	Solid	8015 NM	
880-23720-29	S11 1'	Total/NA	Solid	8015 NM	
880-23720-30	S11 3'	Total/NA	Solid	8015 NM	
880-23720-31	S11 5'	Total/NA	Solid	8015 NM	
880-23720-32	S11 6'	Total/NA	Solid	8015 NM	
880-23720-33	S9 1'	Total/NA	Solid	8015 NM	
880-23720-34	S9 3'	Total/NA	Solid	8015 NM	
880-23720-35	S9 5'	Total/NA	Solid	8015 NM	
880-23720-36	S10 1'	Total/NA	Solid	8015 NM	
880-23720-37	S10 3'	Total/NA	Solid	8015 NM	
880-23720-38	S10 5'	Total/NA	Solid	8015 NM	
880-23720-39	S10 7'	Total/NA	Solid	8015 NM	
880-23720-40	S27 1'	Total/NA	Solid	8015 NM	
880-23720-41	S27 3'	Total/NA	Solid	8015 NM	
880-23720-42	S27 5'	Total/NA	Solid	8015 NM	
880-23720-43	S28 1'	Total/NA	Solid	8015 NM	
880-23720-44	S28 3'	Total/NA	Solid	8015 NM	
880-23720-45	S28 5'	Total/NA	Solid	8015 NM	
880-23720-46	S28 7'	Total/NA	Solid	8015 NM	
880-23720-47	S29 1'	Total/NA	Solid	8015 NM	
880-23720-48	S29 3'	Total/NA	Solid	8015 NM	
880-23720-49	S29 5'	Total/NA	Solid	8015 NM	
880-23720-50	S29 7'	Total/NA	Solid	8015 NM	
880-23720-51	S30 1'	Total/NA	Solid	8015 NM	
880-23720-52	S30 3'	Total/NA	Solid	8015 NM	
880-23720-53	S30 5'	Total/NA	Solid	8015 NM	
880-23720-54	S30 7'	Total/NA	Solid	8015 NM	
880-23720-55	S31 1'	Total/NA	Solid	8015 NM	
880-23720-56	S31 3'	Total/NA	Solid	8015 NM	
880-23720-57	S31 5'	Total/NA	Solid	8015 NM	
880-23720-58	S31 6.5'	Total/NA	Solid	8015 NM	
880-23720-59	S32 1'	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

GC Semi VOA (Continued)

Analysis Batch: 44442 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-60	S32 3'	Total/NA	Solid	8015 NM	
880-23720-61	S32 5'	Total/NA	Solid	8015 NM	
880-23720-62	S32 10'	Total/NA	Solid	8015 NM	
880-23720-63	S33 1'	Total/NA	Solid	8015 NM	
880-23720-64	S33 3'	Total/NA	Solid	8015 NM	
880-23720-65	S33 5'	Total/NA	Solid	8015 NM	
880-23720-66	S33 10'	Total/NA	Solid	8015 NM	
880-23720-67	S37 1'	Total/NA	Solid	8015 NM	
880-23720-68	S37 3'	Total/NA	Solid	8015 NM	
880-23720-69	S37 5'	Total/NA	Solid	8015 NM	
880-23720-70	S37 7'	Total/NA	Solid	8015 NM	
880-23720-71	West	Total/NA	Solid	8015 NM	

Analysis Batch: 44519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-1	S20 1'	Total/NA	Solid	8015B NM	44274
880-23720-2	S20 3'	Total/NA	Solid	8015B NM	44274
880-23720-3	S20 5'	Total/NA	Solid	8015B NM	44274
880-23720-4	S20 10'	Total/NA	Solid	8015B NM	44274
880-23720-5	S20 13'	Total/NA	Solid	8015B NM	44274
880-23720-6	S26 1'	Total/NA	Solid	8015B NM	44274
880-23720-7	S26 3'	Total/NA	Solid	8015B NM	44274
880-23720-8	S26 5'	Total/NA	Solid	8015B NM	44274
880-23720-9	S26 10'	Total/NA	Solid	8015B NM	44274
880-23720-10	S25 1'	Total/NA	Solid	8015B NM	44274
880-23720-11	S25 3'	Total/NA	Solid	8015B NM	44274
880-23720-12	S25 5'	Total/NA	Solid	8015B NM	44274
880-23720-13	S25 10'	Total/NA	Solid	8015B NM	44274
880-23720-14	S24 1'	Total/NA	Solid	8015B NM	44274
880-23720-15	S24 3'	Total/NA	Solid	8015B NM	44274
880-23720-16	S24 6'	Total/NA	Solid	8015B NM	44274
880-23720-17	S15 1'	Total/NA	Solid	8015B NM	44274
880-23720-18	S15 3'	Total/NA	Solid	8015B NM	44274
880-23720-19	S15 5'	Total/NA	Solid	8015B NM	44274
880-23720-20	S15 10'	Total/NA	Solid	8015B NM	44274
880-23720-21	S4 1'	Total/NA	Solid	8015B NM	44275
880-23720-22	S4 3'	Total/NA	Solid	8015B NM	44275
880-23720-23	S4 5'	Total/NA	Solid	8015B NM	44275
880-23720-24	S4 6'	Total/NA	Solid	8015B NM	44275
880-23720-25	S5 1'	Total/NA	Solid	8015B NM	44275
880-23720-26	S5 3'	Total/NA	Solid	8015B NM	44275
880-23720-27	S5 5'	Total/NA	Solid	8015B NM	44275
880-23720-28	S5 10'	Total/NA	Solid	8015B NM	44275
880-23720-29	S11 1'	Total/NA	Solid	8015B NM	44275
880-23720-30	S11 3'	Total/NA	Solid	8015B NM	44275
880-23720-31	S11 5'	Total/NA	Solid	8015B NM	44275
880-23720-32	S11 6'	Total/NA	Solid	8015B NM	44275
880-23720-33	S9 1'	Total/NA	Solid	8015B NM	44275
880-23720-34	S9 3'	Total/NA	Solid	8015B NM	44275
880-23720-35	S9 5'	Total/NA	Solid	8015B NM	44275
880-23720-36	S10 1'	Total/NA	Solid	8015B NM	44275

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

GC Semi VOA (Continued)

Analysis Batch: 44519 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-37	S10 3'	Total/NA	Solid	8015B NM	44275
880-23720-38	S10 5'	Total/NA	Solid	8015B NM	44275
880-23720-39	S10 7'	Total/NA	Solid	8015B NM	44275
880-23720-40	S27 1'	Total/NA	Solid	8015B NM	44275
MB 880-44274/1-A	Method Blank	Total/NA	Solid	8015B NM	44274
MB 880-44275/1-A	Method Blank	Total/NA	Solid	8015B NM	44275
LCS 880-44274/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	44274
LCS 880-44275/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	44275
LCSD 880-44274/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	44274
LCSD 880-44275/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	44275
880-23720-1 MS	S20 1'	Total/NA	Solid	8015B NM	44274
880-23720-1 MSD	S20 1'	Total/NA	Solid	8015B NM	44274
880-23720-21 MS	S4 1'	Total/NA	Solid	8015B NM	44275
880-23720-21 MSD	S4 1'	Total/NA	Solid	8015B NM	44275

Analysis Batch: 44896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-41	S27 3'	Total/NA	Solid	8015B NM	44284
880-23720-42	S27 5'	Total/NA	Solid	8015B NM	44284
880-23720-43	S28 1'	Total/NA	Solid	8015B NM	44284
880-23720-44	S28 3'	Total/NA	Solid	8015B NM	44284
880-23720-45	S28 5'	Total/NA	Solid	8015B NM	44284
880-23720-46	S28 7'	Total/NA	Solid	8015B NM	44284
880-23720-47	S29 1'	Total/NA	Solid	8015B NM	44284
880-23720-48	S29 3'	Total/NA	Solid	8015B NM	44284
880-23720-49	S29 5'	Total/NA	Solid	8015B NM	44284
880-23720-50	S29 7'	Total/NA	Solid	8015B NM	44284
880-23720-51	S30 1'	Total/NA	Solid	8015B NM	44284
880-23720-52	S30 3'	Total/NA	Solid	8015B NM	44284
880-23720-53	S30 5'	Total/NA	Solid	8015B NM	44284
880-23720-54	S30 7'	Total/NA	Solid	8015B NM	44284
880-23720-55	S31 1'	Total/NA	Solid	8015B NM	44284
880-23720-56	S31 3'	Total/NA	Solid	8015B NM	44284
880-23720-57	S31 5'	Total/NA	Solid	8015B NM	44284
880-23720-58	S31 6.5'	Total/NA	Solid	8015B NM	44284
880-23720-59	S32 1'	Total/NA	Solid	8015B NM	44284
880-23720-60	S32 3'	Total/NA	Solid	8015B NM	44284
MB 880-44284/1-A	Method Blank	Total/NA	Solid	8015B NM	44284
LCS 880-44284/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	44284
LCSD 880-44284/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	44284
880-23720-41 MS	S27 3'	Total/NA	Solid	8015B NM	44284
880-23720-41 MSD	S27 3'	Total/NA	Solid	8015B NM	44284

HPLC/IC

Leach Batch: 44241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-1	S20 1'	Soluble	Solid	DI Leach	
880-23720-2	S20 3'	Soluble	Solid	DI Leach	
880-23720-3	S20 5'	Soluble	Solid	DI Leach	
880-23720-4	S20 10'	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

HPLC/IC (Continued)

Leach Batch: 44241 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-5	S20 13'	Soluble	Solid	DI Leach	
880-23720-6	S26 1'	Soluble	Solid	DI Leach	
880-23720-7	S26 3'	Soluble	Solid	DI Leach	
880-23720-8	S26 5'	Soluble	Solid	DI Leach	
880-23720-9	S26 10'	Soluble	Solid	DI Leach	
880-23720-10	S25 1'	Soluble	Solid	DI Leach	
880-23720-11	S25 3'	Soluble	Solid	DI Leach	
880-23720-12	S25 5'	Soluble	Solid	DI Leach	
880-23720-13	S25 10'	Soluble	Solid	DI Leach	
880-23720-14	S24 1'	Soluble	Solid	DI Leach	
880-23720-15	S24 3'	Soluble	Solid	DI Leach	
880-23720-16	S24 6'	Soluble	Solid	DI Leach	
880-23720-17	S15 1'	Soluble	Solid	DI Leach	
880-23720-18	S15 3'	Soluble	Solid	DI Leach	
880-23720-19	S15 5'	Soluble	Solid	DI Leach	
880-23720-20	S15 10'	Soluble	Solid	DI Leach	
MB 880-44241/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44241/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-44241/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23720-1 MS	S20 1'	Soluble	Solid	DI Leach	
880-23720-1 MSD	S20 1'	Soluble	Solid	DI Leach	
880-23720-11 MS	S25 3'	Soluble	Solid	DI Leach	
880-23720-11 MSD	S25 3'	Soluble	Solid	DI Leach	

Leach Batch: 44242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-21	S4 1'	Soluble	Solid	DI Leach	
880-23720-22	S4 3'	Soluble	Solid	DI Leach	
880-23720-23	S4 5'	Soluble	Solid	DI Leach	
880-23720-24	S4 6'	Soluble	Solid	DI Leach	
880-23720-25	S5 1'	Soluble	Solid	DI Leach	
880-23720-26	S5 3'	Soluble	Solid	DI Leach	
880-23720-27	S5 5'	Soluble	Solid	DI Leach	
880-23720-28	S5 10'	Soluble	Solid	DI Leach	
880-23720-29	S11 1'	Soluble	Solid	DI Leach	
880-23720-30	S11 3'	Soluble	Solid	DI Leach	
880-23720-31	S11 5'	Soluble	Solid	DI Leach	
880-23720-32	S11 6'	Soluble	Solid	DI Leach	
880-23720-33	S9 1'	Soluble	Solid	DI Leach	
880-23720-34	S9 3'	Soluble	Solid	DI Leach	
880-23720-35	S9 5'	Soluble	Solid	DI Leach	
880-23720-36	S10 1'	Soluble	Solid	DI Leach	
880-23720-37	S10 3'	Soluble	Solid	DI Leach	
880-23720-38	S10 5'	Soluble	Solid	DI Leach	
880-23720-39	S10 7'	Soluble	Solid	DI Leach	
880-23720-40	S27 1'	Soluble	Solid	DI Leach	
MB 880-44242/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44242/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCS 880-44242/3-A	Lab Control Sample	Soluble	Solid	DI Leach	
880-23720-21 MS	S4 1'	Soluble	Solid	DI Leach	
880-23720-21 MSD	S4 1'	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

HPLC/IC (Continued)

Leach Batch: 44242 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-31 MS	S11 5'	Soluble	Solid	DI Leach	
880-23720-31 MSD	S11 5'	Soluble	Solid	DI Leach	

Leach Batch: 44243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-41	S27 3'	Soluble	Solid	DI Leach	
880-23720-42	S27 5'	Soluble	Solid	DI Leach	
880-23720-43	S28 1'	Soluble	Solid	DI Leach	
880-23720-44	S28 3'	Soluble	Solid	DI Leach	
880-23720-45	S28 5'	Soluble	Solid	DI Leach	
880-23720-46	S28 7'	Soluble	Solid	DI Leach	
880-23720-47	S29 1'	Soluble	Solid	DI Leach	
880-23720-48	S29 3'	Soluble	Solid	DI Leach	
880-23720-49	S29 5'	Soluble	Solid	DI Leach	
880-23720-50	S29 7'	Soluble	Solid	DI Leach	
880-23720-51	S30 1'	Soluble	Solid	DI Leach	
880-23720-52	S30 3'	Soluble	Solid	DI Leach	
880-23720-53	S30 5'	Soluble	Solid	DI Leach	
880-23720-54	S30 7'	Soluble	Solid	DI Leach	
880-23720-55	S31 1'	Soluble	Solid	DI Leach	
880-23720-56	S31 3'	Soluble	Solid	DI Leach	
880-23720-57	S31 5'	Soluble	Solid	DI Leach	
880-23720-58	S31 6.5'	Soluble	Solid	DI Leach	
880-23720-59	S32 1'	Soluble	Solid	DI Leach	
880-23720-60	S32 3'	Soluble	Solid	DI Leach	
MB 880-44243/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44243/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-44243/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23720-41 MS	S27 3'	Soluble	Solid	DI Leach	
880-23720-41 MSD	S27 3'	Soluble	Solid	DI Leach	
880-23720-51 MS	S30 1'	Soluble	Solid	DI Leach	
880-23720-51 MSD	S30 1'	Soluble	Solid	DI Leach	

Leach Batch: 44244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-61	S32 5'	Soluble	Solid	DI Leach	
880-23720-62	S32 10'	Soluble	Solid	DI Leach	
880-23720-63	S33 1'	Soluble	Solid	DI Leach	
880-23720-64	S33 3'	Soluble	Solid	DI Leach	
880-23720-65	S33 5'	Soluble	Solid	DI Leach	
880-23720-66	S33 10'	Soluble	Solid	DI Leach	
880-23720-67	S37 1'	Soluble	Solid	DI Leach	
880-23720-68	S37 3'	Soluble	Solid	DI Leach	
880-23720-69	S37 5'	Soluble	Solid	DI Leach	
880-23720-70	S37 7'	Soluble	Solid	DI Leach	
880-23720-71	West	Soluble	Solid	DI Leach	
MB 880-44244/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44244/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-44244/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23720-61 MS	S32 5'	Soluble	Solid	DI Leach	
880-23720-61 MSD	S32 5'	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

HPLC/IC (Continued)

Leach Batch: 44244 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-71 MS	West	Soluble	Solid	DI Leach	
880-23720-71 MSD	West	Soluble	Solid	DI Leach	

Analysis Batch: 44476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-1	S20 1'	Soluble	Solid	300.0	44241
880-23720-2	S20 3'	Soluble	Solid	300.0	44241
880-23720-3	S20 5'	Soluble	Solid	300.0	44241
880-23720-4	S20 10'	Soluble	Solid	300.0	44241
880-23720-5	S20 13'	Soluble	Solid	300.0	44241
880-23720-6	S26 1'	Soluble	Solid	300.0	44241
880-23720-7	S26 3'	Soluble	Solid	300.0	44241
880-23720-8	S26 5'	Soluble	Solid	300.0	44241
880-23720-9	S26 10'	Soluble	Solid	300.0	44241
880-23720-10	S25 1'	Soluble	Solid	300.0	44241
880-23720-11	S25 3'	Soluble	Solid	300.0	44241
880-23720-12	S25 5'	Soluble	Solid	300.0	44241
880-23720-13	S25 10'	Soluble	Solid	300.0	44241
880-23720-14	S24 1'	Soluble	Solid	300.0	44241
880-23720-15	S24 3'	Soluble	Solid	300.0	44241
880-23720-16	S24 6'	Soluble	Solid	300.0	44241
880-23720-17	S15 1'	Soluble	Solid	300.0	44241
880-23720-18	S15 3'	Soluble	Solid	300.0	44241
880-23720-19	S15 5'	Soluble	Solid	300.0	44241
880-23720-20	S15 10'	Soluble	Solid	300.0	44241
MB 880-44241/1-A	Method Blank	Soluble	Solid	300.0	44241
LCS 880-44241/2-A	Lab Control Sample	Soluble	Solid	300.0	44241
LCSD 880-44241/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	44241
880-23720-1 MS	S20 1'	Soluble	Solid	300.0	44241
880-23720-1 MSD	S20 1'	Soluble	Solid	300.0	44241
880-23720-11 MS	S25 3'	Soluble	Solid	300.0	44241
880-23720-11 MSD	S25 3'	Soluble	Solid	300.0	44241

Analysis Batch: 44495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-21	S4 1'	Soluble	Solid	300.0	44242
880-23720-22	S4 3'	Soluble	Solid	300.0	44242
880-23720-23	S4 5'	Soluble	Solid	300.0	44242
880-23720-24	S4 6'	Soluble	Solid	300.0	44242
880-23720-25	S5 1'	Soluble	Solid	300.0	44242
880-23720-26	S5 3'	Soluble	Solid	300.0	44242
880-23720-27	S5 5'	Soluble	Solid	300.0	44242
880-23720-28	S5 10'	Soluble	Solid	300.0	44242
880-23720-29	S11 1'	Soluble	Solid	300.0	44242
880-23720-30	S11 3'	Soluble	Solid	300.0	44242
880-23720-31	S11 5'	Soluble	Solid	300.0	44242
880-23720-32	S11 6'	Soluble	Solid	300.0	44242
880-23720-33	S9 1'	Soluble	Solid	300.0	44242
880-23720-34	S9 3'	Soluble	Solid	300.0	44242
880-23720-35	S9 5'	Soluble	Solid	300.0	44242
880-23720-36	S10 1'	Soluble	Solid	300.0	44242

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

HPLC/IC (Continued)

Analysis Batch: 44495 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-37	S10 3'	Soluble	Solid	300.0	44242
880-23720-38	S10 5'	Soluble	Solid	300.0	44242
880-23720-39	S10 7'	Soluble	Solid	300.0	44242
880-23720-40	S27 1'	Soluble	Solid	300.0	44242
MB 880-44242/1-A	Method Blank	Soluble	Solid	300.0	44242
LCS 880-44242/2-A	Lab Control Sample	Soluble	Solid	300.0	44242
LCS 880-44242/3-A	Lab Control Sample	Soluble	Solid	300.0	44242
880-23720-21 MS	S4 1'	Soluble	Solid	300.0	44242
880-23720-21 MSD	S4 1'	Soluble	Solid	300.0	44242
880-23720-31 MS	S11 5'	Soluble	Solid	300.0	44242
880-23720-31 MSD	S11 5'	Soluble	Solid	300.0	44242

Analysis Batch: 44496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-41	S27 3'	Soluble	Solid	300.0	44243
880-23720-42	S27 5'	Soluble	Solid	300.0	44243
880-23720-43	S28 1'	Soluble	Solid	300.0	44243
880-23720-44	S28 3'	Soluble	Solid	300.0	44243
880-23720-45	S28 5'	Soluble	Solid	300.0	44243
880-23720-46	S28 7'	Soluble	Solid	300.0	44243
880-23720-47	S29 1'	Soluble	Solid	300.0	44243
880-23720-48	S29 3'	Soluble	Solid	300.0	44243
880-23720-49	S29 5'	Soluble	Solid	300.0	44243
880-23720-50	S29 7'	Soluble	Solid	300.0	44243
880-23720-51	S30 1'	Soluble	Solid	300.0	44243
880-23720-52	S30 3'	Soluble	Solid	300.0	44243
880-23720-53	S30 5'	Soluble	Solid	300.0	44243
880-23720-54	S30 7'	Soluble	Solid	300.0	44243
880-23720-55	S31 1'	Soluble	Solid	300.0	44243
880-23720-56	S31 3'	Soluble	Solid	300.0	44243
880-23720-57	S31 5'	Soluble	Solid	300.0	44243
880-23720-58	S31 6.5'	Soluble	Solid	300.0	44243
880-23720-59	S32 1'	Soluble	Solid	300.0	44243
880-23720-60	S32 3'	Soluble	Solid	300.0	44243
MB 880-44243/1-A	Method Blank	Soluble	Solid	300.0	44243
LCS 880-44243/2-A	Lab Control Sample	Soluble	Solid	300.0	44243
LCSD 880-44243/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	44243
880-23720-41 MS	S27 3'	Soluble	Solid	300.0	44243
880-23720-41 MSD	S27 3'	Soluble	Solid	300.0	44243
880-23720-51 MS	S30 1'	Soluble	Solid	300.0	44243
880-23720-51 MSD	S30 1'	Soluble	Solid	300.0	44243

Analysis Batch: 44497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-61	S32 5'	Soluble	Solid	300.0	44244
880-23720-62	S32 10'	Soluble	Solid	300.0	44244
880-23720-63	S33 1'	Soluble	Solid	300.0	44244
880-23720-64	S33 3'	Soluble	Solid	300.0	44244
880-23720-65	S33 5'	Soluble	Solid	300.0	44244
880-23720-66	S33 10'	Soluble	Solid	300.0	44244
880-23720-67	S37 1'	Soluble	Solid	300.0	44244

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

HPLC/IC (Continued)

Analysis Batch: 44497 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23720-68	S37 3'	Soluble	Solid	300.0	44244
880-23720-69	S37 5'	Soluble	Solid	300.0	44244
880-23720-70	S37 7'	Soluble	Solid	300.0	44244
880-23720-71	West	Soluble	Solid	300.0	44244
MB 880-44244/1-A	Method Blank	Soluble	Solid	300.0	44244
LCS 880-44244/2-A	Lab Control Sample	Soluble	Solid	300.0	44244
LCSD 880-44244/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	44244
880-23720-61 MS	S32 5'	Soluble	Solid	300.0	44244
880-23720-61 MSD	S32 5'	Soluble	Solid	300.0	44244
880-23720-71 MS	West	Soluble	Solid	300.0	44244
880-23720-71 MSD	West	Soluble	Solid	300.0	44244

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S20 1'

Lab Sample ID: 880-23720-1

Date Collected: 01/12/23 12:30

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	44339	01/19/23 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44420	01/20/23 12:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 15:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44274	01/18/23 14:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/23/23 13:07	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	44241	01/18/23 11:44	KS	EET MID
Soluble	Analysis	300.0		5			44476	01/20/23 14:06	CH	EET MID

Client Sample ID: S20 3'

Lab Sample ID: 880-23720-2

Date Collected: 01/12/23 12:35

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44339	01/19/23 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44420	01/20/23 13:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 15:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	44274	01/18/23 14:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/23/23 14:14	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44241	01/18/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			44476	01/20/23 14:25	CH	EET MID

Client Sample ID: S20 5'

Lab Sample ID: 880-23720-3

Date Collected: 01/12/23 12:40

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44339	01/19/23 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44420	01/20/23 13:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 15:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44274	01/18/23 14:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/23/23 14:37	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	44241	01/18/23 11:44	KS	EET MID
Soluble	Analysis	300.0		5			44476	01/20/23 14:31	CH	EET MID

Client Sample ID: S20 10'

Lab Sample ID: 880-23720-4

Date Collected: 01/12/23 12:45

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44339	01/19/23 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44420	01/20/23 14:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/20/23 14:37	AJ	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S20 10'

Lab Sample ID: 880-23720-4

Date Collected: 01/12/23 12:45

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	44274	01/18/23 14:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/23/23 15:00	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	44241	01/18/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			44476	01/20/23 14:37	CH	EET MID

Client Sample ID: S20 13'

Lab Sample ID: 880-23720-5

Date Collected: 01/12/23 12:50

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44339	01/19/23 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44420	01/20/23 14:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 15:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44274	01/18/23 14:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/23/23 15:23	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	44241	01/18/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			44476	01/20/23 14:43	CH	EET MID

Client Sample ID: S26 1'

Lab Sample ID: 880-23720-6

Date Collected: 01/12/23 13:00

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	44339	01/19/23 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44420	01/20/23 15:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 15:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44274	01/18/23 14:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/23/23 15:46	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44241	01/18/23 11:44	KS	EET MID
Soluble	Analysis	300.0		5			44476	01/20/23 15:02	CH	EET MID

Client Sample ID: S26 3'

Lab Sample ID: 880-23720-7

Date Collected: 01/12/23 13:05

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44339	01/19/23 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44420	01/20/23 15:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 15:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44274	01/18/23 14:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/23/23 16:09	AJ	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S26 3'**Date Collected: 01/12/23 13:05****Date Received: 01/16/23 11:55****Lab Sample ID: 880-23720-7****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	44241	01/18/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			44476	01/20/23 15:08	CH	EET MID

Client Sample ID: S26 5'**Date Collected: 01/12/23 13:10****Date Received: 01/16/23 11:55****Lab Sample ID: 880-23720-8****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	44339	01/19/23 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44420	01/20/23 15:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 15:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	44274	01/18/23 14:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/23/23 16:33	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	44241	01/18/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			44476	01/20/23 15:14	CH	EET MID

Client Sample ID: S26 10'**Date Collected: 01/12/23 13:15****Date Received: 01/16/23 11:55****Lab Sample ID: 880-23720-9****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44339	01/19/23 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44420	01/20/23 16:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 15:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44274	01/18/23 14:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/23/23 16:56	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	44241	01/18/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			44476	01/20/23 15:20	CH	EET MID

Client Sample ID: S25 1'**Date Collected: 01/12/23 13:30****Date Received: 01/16/23 11:55****Lab Sample ID: 880-23720-10****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44339	01/19/23 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44420	01/20/23 17:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 15:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44274	01/18/23 14:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/23/23 17:19	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	44241	01/18/23 11:44	KS	EET MID
Soluble	Analysis	300.0		5			44476	01/20/23 15:26	CH	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S25 3'

Lab Sample ID: 880-23720-11

Date Collected: 01/12/23 13:35

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44339	01/19/23 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44420	01/20/23 18:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 15:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44274	01/18/23 14:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/23/23 18:05	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	44241	01/18/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			44476	01/20/23 15:32	CH	EET MID

Client Sample ID: S25 5'

Lab Sample ID: 880-23720-12

Date Collected: 01/12/23 13:40

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	44339	01/19/23 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44420	01/20/23 19:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 15:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44274	01/18/23 14:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/23/23 18:28	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	44241	01/18/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			44476	01/20/23 15:51	CH	EET MID

Client Sample ID: S25 10'

Lab Sample ID: 880-23720-13

Date Collected: 01/12/23 13:45

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	44339	01/19/23 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44420	01/20/23 19:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 15:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44274	01/18/23 14:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/23/23 18:51	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44241	01/18/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			44476	01/20/23 15:57	CH	EET MID

Client Sample ID: S24 1'

Lab Sample ID: 880-23720-14

Date Collected: 01/12/23 14:00

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44339	01/19/23 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44420	01/20/23 20:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 15:24	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S24 1'

Lab Sample ID: 880-23720-14

Date Collected: 01/12/23 14:00

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44274	01/18/23 14:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/23/23 19:14	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	44241	01/18/23 11:44	KS	EET MID
Soluble	Analysis	300.0		5			44476	01/20/23 16:15	CH	EET MID

Client Sample ID: S24 3'

Lab Sample ID: 880-23720-15

Date Collected: 01/12/23 14:05

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44339	01/19/23 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44420	01/20/23 20:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 15:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44274	01/18/23 14:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/23/23 19:38	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44241	01/18/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			44476	01/20/23 16:22	CH	EET MID

Client Sample ID: S24 6'

Lab Sample ID: 880-23720-16

Date Collected: 01/12/23 14:10

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44339	01/19/23 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44420	01/20/23 21:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 15:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44274	01/18/23 14:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/23/23 20:03	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	44241	01/18/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			44476	01/20/23 16:28	CH	EET MID

Client Sample ID: S15 1'

Lab Sample ID: 880-23720-17

Date Collected: 01/12/23 14:30

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44339	01/19/23 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44420	01/20/23 21:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 15:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44274	01/18/23 14:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/23/23 20:25	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S15 1'**Lab Sample ID: 880-23720-17****Date Collected: 01/12/23 14:30****Matrix: Solid****Date Received: 01/16/23 11:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	44241	01/18/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			44476	01/20/23 16:34	CH	EET MID

Client Sample ID: S15 3'**Lab Sample ID: 880-23720-18****Date Collected: 01/12/23 14:35****Matrix: Solid****Date Received: 01/16/23 11:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44339	01/19/23 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44420	01/20/23 21:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 15:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44274	01/18/23 14:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/23/23 20:48	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	44241	01/18/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			44476	01/20/23 16:40	CH	EET MID

Client Sample ID: S15 5'**Lab Sample ID: 880-23720-19****Date Collected: 01/12/23 14:40****Matrix: Solid****Date Received: 01/16/23 11:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44339	01/19/23 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44420	01/20/23 22:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 15:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44274	01/18/23 14:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/23/23 21:10	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	44241	01/18/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			44476	01/20/23 16:46	CH	EET MID

Client Sample ID: S15 10'**Lab Sample ID: 880-23720-20****Date Collected: 01/12/23 14:45****Matrix: Solid****Date Received: 01/16/23 11:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	44339	01/19/23 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44420	01/20/23 22:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 15:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	44274	01/18/23 14:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/23/23 21:32	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	44241	01/18/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			44476	01/20/23 16:52	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S4 1'

Lab Sample ID: 880-23720-21

Date Collected: 01/12/23 15:00

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	44340	01/19/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 00:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44275	01/18/23 14:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/23/23 23:22	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	44242	01/18/23 11:46	KS	EET MID
Soluble	Analysis	300.0		5			44495	01/20/23 13:08	CH	EET MID

Client Sample ID: S4 3'

Lab Sample ID: 880-23720-22

Date Collected: 01/12/23 15:05

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44340	01/19/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 01:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	44275	01/18/23 14:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/24/23 00:26	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44242	01/18/23 11:46	KS	EET MID
Soluble	Analysis	300.0		1			44495	01/20/23 13:26	CH	EET MID

Client Sample ID: S4 5'

Lab Sample ID: 880-23720-23

Date Collected: 01/12/23 15:10

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44340	01/19/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 01:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44275	01/18/23 14:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/24/23 00:48	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44242	01/18/23 11:46	KS	EET MID
Soluble	Analysis	300.0		1			44495	01/20/23 13:32	CH	EET MID

Client Sample ID: S4 6'

Lab Sample ID: 880-23720-24

Date Collected: 01/12/23 15:15

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44340	01/19/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 01:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S4 6'

Lab Sample ID: 880-23720-24

Date Collected: 01/12/23 15:15

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	44275	01/18/23 14:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/24/23 01:09	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	44242	01/18/23 11:46	KS	EET MID
Soluble	Analysis	300.0		1			44495	01/20/23 13:37	CH	EET MID

Client Sample ID: S5 1'

Lab Sample ID: 880-23720-25

Date Collected: 01/12/23 15:30

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44340	01/19/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 02:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44275	01/18/23 14:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/24/23 01:30	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	44242	01/18/23 11:46	KS	EET MID
Soluble	Analysis	300.0		1			44495	01/20/23 13:43	CH	EET MID

Client Sample ID: S5 3'

Lab Sample ID: 880-23720-26

Date Collected: 01/12/23 15:35

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	44340	01/19/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 02:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44275	01/18/23 14:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/24/23 01:52	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	44242	01/18/23 11:46	KS	EET MID
Soluble	Analysis	300.0		1			44495	01/20/23 14:01	CH	EET MID

Client Sample ID: S5 5'

Lab Sample ID: 880-23720-27

Date Collected: 01/12/23 15:40

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44340	01/19/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 02:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44275	01/18/23 14:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/24/23 02:13	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S5 5'**Date Collected: 01/12/23 15:40****Date Received: 01/16/23 11:55****Lab Sample ID: 880-23720-27****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	44242	01/18/23 11:46	KS	EET MID
Soluble	Analysis	300.0		1			44495	01/20/23 14:07	CH	EET MID

Client Sample ID: S5 10'**Date Collected: 01/12/23 15:45****Date Received: 01/16/23 11:55****Lab Sample ID: 880-23720-28****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44340	01/19/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 03:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	44275	01/18/23 14:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/24/23 02:34	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	44242	01/18/23 11:46	KS	EET MID
Soluble	Analysis	300.0		1			44495	01/20/23 14:13	CH	EET MID

Client Sample ID: S11 1'**Date Collected: 01/12/23 16:00****Date Received: 01/16/23 11:55****Lab Sample ID: 880-23720-29****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	44340	01/19/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 03:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44275	01/18/23 14:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/24/23 02:56	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	44242	01/18/23 11:46	KS	EET MID
Soluble	Analysis	300.0		10			44495	01/23/23 13:54	CH	EET MID

Client Sample ID: S11 3'**Date Collected: 01/12/23 16:05****Date Received: 01/16/23 11:55****Lab Sample ID: 880-23720-30****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44340	01/19/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 03:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44275	01/18/23 14:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/24/23 03:18	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44242	01/18/23 11:46	KS	EET MID
Soluble	Analysis	300.0		1			44495	01/20/23 14:24	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S11 5'

Lab Sample ID: 880-23720-31

Date Collected: 01/12/23 16:10

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44340	01/19/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 05:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44275	01/18/23 14:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/24/23 04:01	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44242	01/18/23 11:46	KS	EET MID
Soluble	Analysis	300.0		1			44495	01/20/23 14:30	CH	EET MID

Client Sample ID: S11 6'

Lab Sample ID: 880-23720-32

Date Collected: 01/12/23 16:15

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	44340	01/19/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 06:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44275	01/18/23 14:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/24/23 04:22	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	44242	01/18/23 11:46	KS	EET MID
Soluble	Analysis	300.0		1			44495	01/20/23 15:28	CH	EET MID

Client Sample ID: S9 1'

Lab Sample ID: 880-23720-33

Date Collected: 01/12/23 16:30

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	44340	01/19/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 06:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44275	01/18/23 14:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/24/23 04:44	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44242	01/18/23 11:46	KS	EET MID
Soluble	Analysis	300.0		1			44495	01/20/23 14:53	CH	EET MID

Client Sample ID: S9 3'

Lab Sample ID: 880-23720-34

Date Collected: 01/12/23 16:35

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44340	01/19/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 06:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S9 3'

Lab Sample ID: 880-23720-34

Date Collected: 01/12/23 16:35

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44275	01/18/23 14:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/24/23 05:05	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	44242	01/18/23 11:46	KS	EET MID
Soluble	Analysis	300.0		1			44495	01/20/23 15:34	CH	EET MID

Client Sample ID: S9 5'

Lab Sample ID: 880-23720-35

Date Collected: 01/12/23 16:40

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44340	01/19/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 07:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44275	01/18/23 14:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/24/23 05:26	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	44242	01/18/23 11:46	KS	EET MID
Soluble	Analysis	300.0		1			44495	01/20/23 15:39	CH	EET MID

Client Sample ID: S10 1'

Lab Sample ID: 880-23720-36

Date Collected: 01/12/23 16:45

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44340	01/19/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 07:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44275	01/18/23 14:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/24/23 05:47	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44242	01/18/23 11:46	KS	EET MID
Soluble	Analysis	300.0		1			44495	01/20/23 15:45	CH	EET MID

Client Sample ID: S10 3'

Lab Sample ID: 880-23720-37

Date Collected: 01/12/23 16:50

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	44340	01/19/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 07:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44275	01/18/23 14:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/24/23 06:09	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S10 3'**Date Collected: 01/12/23 16:50****Date Received: 01/16/23 11:55****Lab Sample ID: 880-23720-37****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	44242	01/18/23 11:46	KS	EET MID
Soluble	Analysis	300.0		1			44495	01/20/23 15:51	CH	EET MID

Client Sample ID: S10 5'**Date Collected: 01/12/23 16:55****Date Received: 01/16/23 11:55****Lab Sample ID: 880-23720-38****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	44340	01/19/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 08:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44275	01/18/23 14:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/24/23 06:32	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	44242	01/18/23 11:46	KS	EET MID
Soluble	Analysis	300.0		1			44495	01/20/23 15:57	CH	EET MID

Client Sample ID: S10 7'**Date Collected: 01/12/23 17:00****Date Received: 01/16/23 11:55****Lab Sample ID: 880-23720-39****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44340	01/19/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 08:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44275	01/18/23 14:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/24/23 06:56	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44242	01/18/23 11:46	KS	EET MID
Soluble	Analysis	300.0		1			44495	01/20/23 16:03	CH	EET MID

Client Sample ID: S27 1'**Date Collected: 01/13/23 07:00****Date Received: 01/16/23 11:55****Lab Sample ID: 880-23720-40****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44340	01/19/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 08:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/24/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	44275	01/18/23 14:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44519	01/24/23 07:19	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	44242	01/18/23 11:46	KS	EET MID
Soluble	Analysis	300.0		1			44495	01/20/23 16:09	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S27 3'

Lab Sample ID: 880-23720-41

Date Collected: 01/13/23 07:05

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	44341	01/19/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44464	01/20/23 17:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 13:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/30/23 10:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44284	01/18/23 15:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/28/23 03:13	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	44243	01/18/23 11:47	KS	EET MID
Soluble	Analysis	300.0		1			44496	01/20/23 17:42	CH	EET MID

Client Sample ID: S27 5'

Lab Sample ID: 880-23720-42

Date Collected: 01/13/23 07:10

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44341	01/19/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44464	01/20/23 17:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 13:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/30/23 10:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	44284	01/18/23 15:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/28/23 04:24	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44243	01/18/23 11:47	KS	EET MID
Soluble	Analysis	300.0		1			44496	01/20/23 18:00	CH	EET MID

Client Sample ID: S28 1'

Lab Sample ID: 880-23720-43

Date Collected: 01/13/23 07:15

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44341	01/19/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44464	01/20/23 18:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 13:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/30/23 10:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44284	01/18/23 15:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/28/23 04:47	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44243	01/18/23 11:47	KS	EET MID
Soluble	Analysis	300.0		1			44496	01/20/23 18:06	CH	EET MID

Client Sample ID: S28 3'

Lab Sample ID: 880-23720-44

Date Collected: 01/13/23 07:20

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44341	01/19/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44464	01/20/23 18:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 13:07	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S28 3'**Date Collected: 01/13/23 07:20****Date Received: 01/16/23 11:55****Lab Sample ID: 880-23720-44****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			44442	01/30/23 10:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	44284	01/18/23 15:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/28/23 05:09	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	44243	01/18/23 11:47	KS	EET MID
Soluble	Analysis	300.0		1			44496	01/20/23 18:12	CH	EET MID

Client Sample ID: S28 5'**Date Collected: 01/13/23 07:25****Date Received: 01/16/23 11:55****Lab Sample ID: 880-23720-45****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44341	01/19/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44464	01/20/23 18:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 13:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/30/23 10:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44284	01/18/23 15:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/28/23 05:30	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	44243	01/18/23 11:47	KS	EET MID
Soluble	Analysis	300.0		1			44496	01/20/23 18:18	CH	EET MID

Client Sample ID: S28 7'**Date Collected: 01/13/23 07:30****Date Received: 01/16/23 11:55****Lab Sample ID: 880-23720-46****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44341	01/19/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44464	01/20/23 19:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 13:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/30/23 10:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44284	01/18/23 15:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/28/23 05:51	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	44243	01/18/23 11:47	KS	EET MID
Soluble	Analysis	300.0		1			44496	01/20/23 18:37	CH	EET MID

Client Sample ID: S29 1'**Date Collected: 01/13/23 07:35****Date Received: 01/16/23 11:55****Lab Sample ID: 880-23720-47****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	44341	01/19/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44464	01/20/23 19:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 13:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/30/23 10:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44284	01/18/23 15:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/28/23 06:13	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S29 1'**Lab Sample ID: 880-23720-47****Date Collected: 01/13/23 07:35****Matrix: Solid****Date Received: 01/16/23 11:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	44243	01/18/23 11:47	KS	EET MID
Soluble	Analysis	300.0		1			44496	01/20/23 18:43	CH	EET MID

Client Sample ID: S29 3'**Lab Sample ID: 880-23720-48****Date Collected: 01/13/23 07:40****Matrix: Solid****Date Received: 01/16/23 11:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44341	01/19/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44464	01/20/23 19:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 13:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/30/23 10:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	44284	01/18/23 15:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/28/23 06:34	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	44243	01/18/23 11:47	KS	EET MID
Soluble	Analysis	300.0		1			44496	01/20/23 18:49	CH	EET MID

Client Sample ID: S29 5'**Lab Sample ID: 880-23720-49****Date Collected: 01/13/23 07:45****Matrix: Solid****Date Received: 01/16/23 11:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44341	01/19/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44464	01/20/23 20:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 13:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/30/23 10:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44284	01/18/23 15:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/28/23 06:56	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	44243	01/18/23 11:47	KS	EET MID
Soluble	Analysis	300.0		1			44496	01/20/23 18:55	CH	EET MID

Client Sample ID: S29 7'**Lab Sample ID: 880-23720-50****Date Collected: 01/13/23 07:50****Matrix: Solid****Date Received: 01/16/23 11:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44341	01/19/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44464	01/20/23 20:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 13:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/30/23 10:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44284	01/18/23 15:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/28/23 07:19	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44243	01/18/23 11:47	KS	EET MID
Soluble	Analysis	300.0		1			44496	01/20/23 19:02	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S30 1'

Lab Sample ID: 880-23720-51

Date Collected: 01/13/23 07:55

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44341	01/19/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44464	01/20/23 22:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 13:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/30/23 10:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44284	01/18/23 15:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/28/23 08:06	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44243	01/18/23 11:47	KS	EET MID
Soluble	Analysis	300.0		5			44496	01/20/23 19:08	CH	EET MID

Client Sample ID: S30 3'

Lab Sample ID: 880-23720-52

Date Collected: 01/13/23 08:00

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44341	01/19/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44464	01/20/23 22:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 13:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/30/23 10:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44284	01/18/23 15:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/28/23 08:29	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	44243	01/18/23 11:47	KS	EET MID
Soluble	Analysis	300.0		1			44496	01/20/23 19:26	CH	EET MID

Client Sample ID: S30 5'

Lab Sample ID: 880-23720-53

Date Collected: 01/13/23 08:05

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44341	01/19/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44464	01/20/23 22:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 13:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/30/23 10:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	44284	01/18/23 15:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/28/23 08:51	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44243	01/18/23 11:47	KS	EET MID
Soluble	Analysis	300.0		1			44496	01/20/23 19:32	CH	EET MID

Client Sample ID: S30 7'

Lab Sample ID: 880-23720-54

Date Collected: 01/13/23 08:10

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44341	01/19/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44464	01/20/23 23:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 13:07	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S30 7'

Lab Sample ID: 880-23720-54

Date Collected: 01/13/23 08:10

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			44442	01/30/23 10:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44284	01/18/23 15:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/28/23 09:14	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	44243	01/18/23 11:47	KS	EET MID
Soluble	Analysis	300.0		1			44496	01/20/23 19:51	CH	EET MID

Client Sample ID: S31 1'

Lab Sample ID: 880-23720-55

Date Collected: 01/13/23 08:15

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44341	01/19/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44464	01/20/23 23:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 13:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/30/23 10:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44284	01/18/23 15:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/28/23 09:36	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	44243	01/18/23 11:47	KS	EET MID
Soluble	Analysis	300.0		1			44496	01/20/23 19:57	CH	EET MID

Client Sample ID: S31 3'

Lab Sample ID: 880-23720-56

Date Collected: 01/13/23 08:20

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44341	01/19/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44464	01/20/23 23:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 13:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/30/23 10:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44284	01/18/23 15:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/28/23 09:59	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44243	01/18/23 11:47	KS	EET MID
Soluble	Analysis	300.0		1			44496	01/20/23 20:03	CH	EET MID

Client Sample ID: S31 5'

Lab Sample ID: 880-23720-57

Date Collected: 01/13/23 08:25

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	44341	01/19/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44464	01/21/23 00:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 13:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/30/23 10:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44284	01/18/23 15:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/28/23 10:20	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S31 5'**Date Collected: 01/13/23 08:25****Date Received: 01/16/23 11:55****Lab Sample ID: 880-23720-57****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	44243	01/18/23 11:47	KS	EET MID
Soluble	Analysis	300.0		1			44496	01/20/23 20:09	CH	EET MID

Client Sample ID: S31 6.5'**Date Collected: 01/13/23 08:30****Date Received: 01/16/23 11:55****Lab Sample ID: 880-23720-58****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	44341	01/19/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44464	01/21/23 00:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 13:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/30/23 10:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44284	01/18/23 15:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/28/23 10:44	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	44243	01/18/23 11:47	KS	EET MID
Soluble	Analysis	300.0		1			44496	01/20/23 20:15	CH	EET MID

Client Sample ID: S32 1'**Date Collected: 01/13/23 08:35****Date Received: 01/16/23 11:55****Lab Sample ID: 880-23720-59****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44341	01/19/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44464	01/21/23 00:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 13:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/30/23 10:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44284	01/18/23 15:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/28/23 11:08	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44243	01/18/23 11:47	KS	EET MID
Soluble	Analysis	300.0		5			44496	01/20/23 20:22	CH	EET MID

Client Sample ID: S32 3'**Date Collected: 01/13/23 08:40****Date Received: 01/16/23 11:55****Lab Sample ID: 880-23720-60****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44341	01/19/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44464	01/21/23 01:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 13:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/30/23 10:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	44284	01/18/23 15:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44896	01/28/23 11:32	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	44243	01/18/23 11:47	KS	EET MID
Soluble	Analysis	300.0		1			44496	01/20/23 20:28	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S32 5'

Lab Sample ID: 880-23720-61

Date Collected: 01/13/23 08:45

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	44342	01/19/23 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 12:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/20/23 11:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44313	01/19/23 08:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44307	01/19/23 10:59	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	44244	01/18/23 11:48	KS	EET MID
Soluble	Analysis	300.0		1			44497	01/20/23 21:17	CH	EET MID

Client Sample ID: S32 10'

Lab Sample ID: 880-23720-62

Date Collected: 01/13/23 08:50

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44342	01/19/23 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 12:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/20/23 11:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	44313	01/19/23 08:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44307	01/19/23 15:46	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44244	01/18/23 11:48	KS	EET MID
Soluble	Analysis	300.0		1			44497	01/20/23 21:36	CH	EET MID

Client Sample ID: S33 1'

Lab Sample ID: 880-23720-63

Date Collected: 01/13/23 08:55

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	44342	01/19/23 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 13:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/20/23 11:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44313	01/19/23 08:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44307	01/19/23 16:08	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	44244	01/18/23 11:48	KS	EET MID
Soluble	Analysis	300.0		5			44497	01/20/23 21:42	CH	EET MID

Client Sample ID: S33 3'

Lab Sample ID: 880-23720-64

Date Collected: 01/13/23 09:00

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44342	01/19/23 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 13:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S33 3'

Lab Sample ID: 880-23720-64

Date Collected: 01/13/23 09:00

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			44442	01/20/23 11:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	44313	01/19/23 08:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44307	01/19/23 16:30	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	44244	01/18/23 11:48	KS	EET MID
Soluble	Analysis	300.0		1			44497	01/20/23 21:48	CH	EET MID

Client Sample ID: S33 5'

Lab Sample ID: 880-23720-65

Date Collected: 01/13/23 09:05

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44342	01/19/23 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 13:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/20/23 11:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44313	01/19/23 08:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44307	01/19/23 16:52	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	44244	01/18/23 11:48	KS	EET MID
Soluble	Analysis	300.0		1			44497	01/20/23 21:54	CH	EET MID

Client Sample ID: S33 10'

Lab Sample ID: 880-23720-66

Date Collected: 01/13/23 09:10

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44342	01/19/23 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 14:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/20/23 11:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44313	01/19/23 08:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44307	01/19/23 17:14	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44244	01/18/23 11:48	KS	EET MID
Soluble	Analysis	300.0		1			44497	01/20/23 22:12	CH	EET MID

Client Sample ID: S37 1'

Lab Sample ID: 880-23720-67

Date Collected: 01/13/23 09:15

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44342	01/19/23 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 14:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/20/23 11:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44313	01/19/23 08:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44307	01/19/23 17:36	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: S37 1'**Lab Sample ID: 880-23720-67****Date Collected: 01/13/23 09:15****Matrix: Solid****Date Received: 01/16/23 11:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	44244	01/18/23 11:48	KS	EET MID
Soluble	Analysis	300.0		1			44497	01/20/23 22:19	CH	EET MID

Client Sample ID: S37 3'**Lab Sample ID: 880-23720-68****Date Collected: 01/13/23 09:20****Matrix: Solid****Date Received: 01/16/23 11:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	44342	01/19/23 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 14:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/20/23 11:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	44313	01/19/23 08:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44307	01/19/23 17:58	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	44244	01/18/23 11:48	KS	EET MID
Soluble	Analysis	300.0		1			44497	01/20/23 22:25	CH	EET MID

Client Sample ID: S37 5'**Lab Sample ID: 880-23720-69****Date Collected: 01/13/23 09:25****Matrix: Solid****Date Received: 01/16/23 11:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44342	01/19/23 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 15:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/20/23 11:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44313	01/19/23 08:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44307	01/19/23 18:19	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	44244	01/18/23 11:48	KS	EET MID
Soluble	Analysis	300.0		1			44497	01/20/23 22:31	CH	EET MID

Client Sample ID: S37 7'**Lab Sample ID: 880-23720-70****Date Collected: 01/13/23 09:30****Matrix: Solid****Date Received: 01/16/23 11:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44342	01/19/23 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 15:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/20/23 11:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44313	01/19/23 08:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44307	01/19/23 18:41	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	44244	01/18/23 11:48	KS	EET MID
Soluble	Analysis	300.0		1			44497	01/20/23 22:37	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Client Sample ID: West

Lab Sample ID: 880-23720-71

Date Collected: 01/13/23 09:35

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44342	01/19/23 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44418	01/21/23 17:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44490	01/23/23 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44442	01/20/23 11:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44313	01/19/23 08:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44307	01/19/23 19:02	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	44244	01/18/23 11:48	KS	EET MID
Soluble	Analysis	300.0		1			44497	01/20/23 22:43	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-23720-1	S20 1'	Solid	01/12/23 12:30	01/16/23 11:55
880-23720-2	S20 3'	Solid	01/12/23 12:35	01/16/23 11:55
880-23720-3	S20 5'	Solid	01/12/23 12:40	01/16/23 11:55
880-23720-4	S20 10'	Solid	01/12/23 12:45	01/16/23 11:55
880-23720-5	S20 13'	Solid	01/12/23 12:50	01/16/23 11:55
880-23720-6	S26 1'	Solid	01/12/23 13:00	01/16/23 11:55
880-23720-7	S26 3'	Solid	01/12/23 13:05	01/16/23 11:55
880-23720-8	S26 5'	Solid	01/12/23 13:10	01/16/23 11:55
880-23720-9	S26 10'	Solid	01/12/23 13:15	01/16/23 11:55
880-23720-10	S25 1'	Solid	01/12/23 13:30	01/16/23 11:55
880-23720-11	S25 3'	Solid	01/12/23 13:35	01/16/23 11:55
880-23720-12	S25 5'	Solid	01/12/23 13:40	01/16/23 11:55
880-23720-13	S25 10'	Solid	01/12/23 13:45	01/16/23 11:55
880-23720-14	S24 1'	Solid	01/12/23 14:00	01/16/23 11:55
880-23720-15	S24 3'	Solid	01/12/23 14:05	01/16/23 11:55
880-23720-16	S24 6'	Solid	01/12/23 14:10	01/16/23 11:55
880-23720-17	S15 1'	Solid	01/12/23 14:30	01/16/23 11:55
880-23720-18	S15 3'	Solid	01/12/23 14:35	01/16/23 11:55
880-23720-19	S15 5'	Solid	01/12/23 14:40	01/16/23 11:55
880-23720-20	S15 10'	Solid	01/12/23 14:45	01/16/23 11:55
880-23720-21	S4 1'	Solid	01/12/23 15:00	01/16/23 11:55
880-23720-22	S4 3'	Solid	01/12/23 15:05	01/16/23 11:55
880-23720-23	S4 5'	Solid	01/12/23 15:10	01/16/23 11:55
880-23720-24	S4 6'	Solid	01/12/23 15:15	01/16/23 11:55
880-23720-25	S5 1'	Solid	01/12/23 15:30	01/16/23 11:55
880-23720-26	S5 3'	Solid	01/12/23 15:35	01/16/23 11:55
880-23720-27	S5 5'	Solid	01/12/23 15:40	01/16/23 11:55
880-23720-28	S5 10'	Solid	01/12/23 15:45	01/16/23 11:55
880-23720-29	S11 1'	Solid	01/12/23 16:00	01/16/23 11:55
880-23720-30	S11 3'	Solid	01/12/23 16:05	01/16/23 11:55
880-23720-31	S11 5'	Solid	01/12/23 16:10	01/16/23 11:55
880-23720-32	S11 6'	Solid	01/12/23 16:15	01/16/23 11:55
880-23720-33	S9 1'	Solid	01/12/23 16:30	01/16/23 11:55
880-23720-34	S9 3'	Solid	01/12/23 16:35	01/16/23 11:55
880-23720-35	S9 5'	Solid	01/12/23 16:40	01/16/23 11:55
880-23720-36	S10 1'	Solid	01/12/23 16:45	01/16/23 11:55
880-23720-37	S10 3'	Solid	01/12/23 16:50	01/16/23 11:55
880-23720-38	S10 5'	Solid	01/12/23 16:55	01/16/23 11:55
880-23720-39	S10 7'	Solid	01/12/23 17:00	01/16/23 11:55
880-23720-40	S27 1'	Solid	01/13/23 07:00	01/16/23 11:55
880-23720-41	S27 3'	Solid	01/13/23 07:05	01/16/23 11:55
880-23720-42	S27 5'	Solid	01/13/23 07:10	01/16/23 11:55
880-23720-43	S28 1'	Solid	01/13/23 07:15	01/16/23 11:55
880-23720-44	S28 3'	Solid	01/13/23 07:20	01/16/23 11:55
880-23720-45	S28 5'	Solid	01/13/23 07:25	01/16/23 11:55
880-23720-46	S28 7'	Solid	01/13/23 07:30	01/16/23 11:55
880-23720-47	S29 1'	Solid	01/13/23 07:35	01/16/23 11:55
880-23720-48	S29 3'	Solid	01/13/23 07:40	01/16/23 11:55
880-23720-49	S29 5'	Solid	01/13/23 07:45	01/16/23 11:55
880-23720-50	S29 7'	Solid	01/13/23 07:50	01/16/23 11:55
880-23720-51	S30 1'	Solid	01/13/23 07:55	01/16/23 11:55
880-23720-52	S30 3'	Solid	01/13/23 08:00	01/16/23 11:55
880-23720-53	S30 5'	Solid	01/13/23 08:05	01/16/23 11:55
880-23720-54	S30 7'	Solid	01/13/23 08:10	01/16/23 11:55
880-23720-55	S31 1'	Solid	01/13/23 08:15	01/16/23 11:55

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23720-1
SDG: 22-0107-02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-23720-56	S31 3'	Solid	01/13/23 08:20	01/16/23 11:55
880-23720-57	S31 5'	Solid	01/13/23 08:25	01/16/23 11:55
880-23720-58	S31 6.5'	Solid	01/13/23 08:30	01/16/23 11:55
880-23720-59	S32 1'	Solid	01/13/23 08:35	01/16/23 11:55
880-23720-60	S32 3'	Solid	01/13/23 08:40	01/16/23 11:55
880-23720-61	S32 5'	Solid	01/13/23 08:45	01/16/23 11:55
880-23720-62	S32 10'	Solid	01/13/23 08:50	01/16/23 11:55
880-23720-63	S33 1'	Solid	01/13/23 08:55	01/16/23 11:55
880-23720-64	S33 3'	Solid	01/13/23 09:00	01/16/23 11:55
880-23720-65	S33 5'	Solid	01/13/23 09:05	01/16/23 11:55
880-23720-66	S33 10'	Solid	01/13/23 09:10	01/16/23 11:55
880-23720-67	S37 1'	Solid	01/13/23 09:15	01/16/23 11:55
880-23720-68	S37 3'	Solid	01/13/23 09:20	01/16/23 11:55
880-23720-69	S37 5'	Solid	01/13/23 09:25	01/16/23 11:55
880-23720-70	S37 7'	Solid	01/13/23 09:30	01/16/23 11:55
880-23720-71	West	Solid	01/13/23 09:35	01/16/23 11:55

~~2/1/2023 (Rev~~

CHAIN-OF-CUSTODY

1
2
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6
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9
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11
12
13
14

Varson & Associates, Inc.
Environmental Consultants

507 N. Marientfeld, Ste. 202
Midland, TX 79701
432-687-0901

Data Reported to

DATE _____
PO# _____
PROJECT LOCATION OR NAME Plumey Elder
LAI PROJECT # 22-0107-02
LAB WORK ORDER# _____
COLLECTOR SH: RN

CHAIN-OF-CUSTODY

23720 No. 29105

2/1/2023 (Rev.

TIME ZONE Time zone/State	S=SOIL W=WATER A=AIR	P=PAINT SL=SLUDGE OT=OTHER	Matrix	# of Containers	PRESERVATION				ANALYSES	FIELD NOTES	
					HCl	HNO ₃	H ₂ SO ₄ ☐ NaOH ☐	ICE			UNPRESERVED
56 S'			1-12-23 1610	5					X		
59 1'			1-12-23 1615						X		
59 1'			1-12-23 1630						X		
59 1'			1-12-23 1635						X		
510 1'			1-12-23 1640						X		
510 1'			1-12-23 1645						X		
510 1'			1-12-23 1650						X		
510 1'			1-12-23 1655						X		
527 1'			1-12-23 1700						X		
527 1'			1-12-23 1705						X		
528 1'			1-12-23 1710						X		
528 1'			1-12-23 1715						X		
528 1'			1-12-23 1720						X		
528 1'			1-12-23 1725						X		
TOTAL											
RELINQUISHED BY (Signature) <u>[Signature]</u> DATE/TIME <u>1/16 1155</u> RECEIVED BY (Signature) <u>[Signature]</u>											
RELINQUISHED BY (Signature) _____ DATE/TIME _____ RECEIVED BY (Signature) _____											
RELINQUISHED BY (Signature) _____ DATE/TIME _____ RECEIVED BY (Signature) _____											
LABORATORY <u>Enviro</u>											

Varson & Associates, Inc.

Environmental Consultants

507 N. Warrenfield, Ste. 202
Midland, TX 79701
432-687-0901

Data Reported to

DATE _____ PO# _____
PROJECT LOCATION OR NAME Pliny Elder LAB WORK ORDER# _____
LAI PROJECT # 22-0107-02 COLLECTOR 5161 RN

23120 No. 2911

CHAIN-OF-CUSTODY

TRRP report? ☐ Yes ☒ No	S=SOIL W=WATER A=AIR	P=PAINT SL=SLUDGE OT=OTHER	PRESERVATION HCl HNO ₃ H ₂ SO ₄ ☐ NaOH ☐ ICE UNPRESERVED		ANALYSES BTEX ☒ MTBE ☐ TPH 418 ☐ TPH 1005 ☐ TPH 1008 ☐ GASOLINE MOD 8015 ☐ DIESEL - MOD 8015 ☐ OIL - MOD 8015 ☐ VOC 8260 ☐ SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ TCPP - METALS (RCRA) ☐ TCPP-VOC ☐ TCPP - PEST ☐ HERB ☐ Semi-VOC ☐ TOTAL METALS (RCRA) ☐ OTHER LIST ☐ LEAD - TOTAL ☐ DW 200.8 ☐ TCPP ☐ RCL ☐ TOX ☐ FLASHPOINT ☐ TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ pH ☐ HEXAVALENT CHROMIUM ☐ EXPLOSIVES ☐ PENTACHLORATE ☐ CHLORIDES ☐ ANIONS ☐ ALKALINITY ☐	
TIME ZONE Time zone/State <u>MNT/UM</u>	Lab #	Date	Time	Matrix	# of Containers	FIELD NOTES
Field Sample I D						
528 7'		11-3-23	730	S	1	
529 1'			735			
3'			740			
5'			745			
7'			750			
530 1'			755			
3'			800			
5'			805			
7'			810			
531 1'			815			
3'			820			
5'			825			
6.5'			830			
532 1'			835			
3'		11-3-23	840	S	1	
TOTAL 15						
RELINQUISHED BY (Signature) <u>[Signature]</u>	DATE/TIME <u>11/10/15</u>	RECEIVED BY (Signature) <u>[Signature]</u>	TURN AROUND TIME NORMAL ☐ 1 DAY ☐ 2 DAY ☐ OTHER ☐			
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	LABORATORY USE ONLY: RECEIVING TEMP _____ THERM# _____ CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED ☐ CARRIER BILL # _____ ☐ HAND DELIVERED			
LABORATORY						



Environmental Consultants

507 N. Warrenfield, Ste. 202

Midland, TX 79701

432-687-0901

DATE

PO#

PROJECT LOCATION OR NAME

LAI PROJECT #

PAGE 5 OF 5

LAB WORK ORDER#

Collector

COLLECTOR

No. 2912

CHAIN-OF-CUSTODY

Data Reported to

TRRP report?
☐ Yes ☒ No

S=SOIL
W=WATER
A=AIR
P=PAINT
SL=SLUDGE
OT=OTHER

TIME ZONE
Time zone/State

Field Sample ID

Lab #

Date

Time

Matrix

of Containers

HCl

HNO₃

H₂SO₄ ☐ NaOH ☐

ICE

UNPRESERVED

ANALYSES

BTEX ☒ MTBE ☐

TPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐

GASOLINE MOD 8015 ☐

DIESEL - MOD 8015 ☐

OIL - MOD 8015 ☐

VOC 8260 ☐

SVOC 8270 ☐

8081 PESTICIDES ☐

8082 PESTICIDES ☐

TCLP - METALS (RCRA) ☐

TCLP - PEST ☐

TOTAL METALS (RCRA) ☐

LEAD - TOTAL ☐

RCl ☐

TDS ☐

pH ☐

EXPLOSIVES ☐

CHLORIDES ☐

ANIONS ☐

ALKALINITY ☐

FIELD NOTES

332 5'

143-23

850

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930

935

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945

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955

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965

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985

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995

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1005

1010

1015

1020

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3'

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143-23

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1015

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1045

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

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DATE/T

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-23720-1

SDG Number: 22-0107-02

Login Number: 23720**List Number: 1****Creator: Rodriguez, Leticia****List Source: Eurofins Midland**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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 containers received 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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Mark J Larson
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Generated 2/2/2023 5:21:22 PM

JOB DESCRIPTION

Pliney Elder
SDG NUMBER 22-0107-02

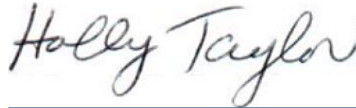
JOB NUMBER

880-23897-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland**Job Notes**

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

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2/2/2023 5:21:22 PM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Laboratory Job ID: 880-23897-1
SDG: 22-0107-02

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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.
□	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
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)

Eurofins Midland

Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

- 1
- 2
- 3
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- 10
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- 12
- 13
- 14

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Job ID: 880-23897-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-23897-1

Receipt

The samples were received on 1/19/2023 8:47 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 0.2°C

Receipt Exceptions

The following samples analyzed for method <TPH 8015> were received and analyzed from an unpreserved bulk soil jar

Samples S-31 4" and S-34 4" were on the chain of custody; however there were no jars received. Client was contacted by email twice with no response so tests were cancelled.

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-31 1' (880-23897-1), S-31 3' (880-23897-2), S-34 1' (880-23897-4), S-34 3' (880-23897-5), S-35 1' (880-23897-6), S-35 3' (880-23897-7), S-36 1' (880-23897-8), S-36 3' (880-23897-9), S-36 5' (880-23897-10), S-36 7' (880-23897-11), S-38 1' (880-23897-12), S-38 3' (880-23897-13), S-38 5' (880-23897-14), S-38 10' (880-23897-15), S-39 1' (880-23897-16), S-39 3' (880-23897-17), S-40 1' (880-23897-18), S-40 3' (880-23897-19), S-40 5' (880-23897-20), S-40 7' (880-23897-21) and (MB 880-44907/5-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-44627 and analytical batch 880-44889 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-44627/1-A) and (LCSD 880-44627/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-43 3' (880-23897-28). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-44925 and analytical batch 880-44988 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-45125 and analytical batch 880-45101 was outside the upper control limits.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-45089 and analytical batch 880-45165 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-31 1' (880-23897-1). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44704

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
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Job ID: 880-23897-1 (Continued)

Laboratory: Eurofins Midland (Continued)

and analytical batch 880-44799 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44707 and analytical batch 880-44800 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-31 1'

Lab Sample ID: 880-23897-1

Date Collected: 01/17/23 15:45

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2 F1	0.00200	mg/Kg		01/24/23 12:21	01/28/23 21:14	1
Toluene	<0.00200	U F2 F1	0.00200	mg/Kg		01/24/23 12:21	01/28/23 21:14	1
Ethylbenzene	<0.00200	U F2 F1	0.00200	mg/Kg		01/24/23 12:21	01/28/23 21:14	1
m,p-Xylenes	<0.00401	U F2 F1	0.00401	mg/Kg		01/24/23 12:21	01/28/23 21:14	1
o-Xylene	<0.00200	U F2 F1	0.00200	mg/Kg		01/24/23 12:21	01/28/23 21:14	1
Xylenes, Total	<0.00401	U F2 F1	0.00401	mg/Kg		01/24/23 12:21	01/28/23 21:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	167	S1+	70 - 130	01/24/23 12:21	01/28/23 21:14	1
1,4-Difluorobenzene (Surr)	82		70 - 130	01/24/23 12:21	01/28/23 21:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			01/30/23 12:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/02/23 13:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9	mg/Kg		01/30/23 16:08	02/01/23 19:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/30/23 16:08	02/01/23 19:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 16:08	02/01/23 19:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	68	S1-	70 - 130	01/30/23 16:08	02/01/23 19:18	1
o-Terphenyl (Surr)	72		70 - 130	01/30/23 16:08	02/01/23 19:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	396	F1	5.05	mg/Kg			01/26/23 06:42	1

Client Sample ID: S-31 3'

Lab Sample ID: 880-23897-2

Date Collected: 01/17/23 15:46

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/28/23 21:41	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/28/23 21:41	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/28/23 21:41	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/24/23 12:21	01/28/23 21:41	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/28/23 21:41	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/24/23 12:21	01/28/23 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	01/24/23 12:21	01/28/23 21:41	1
1,4-Difluorobenzene (Surr)	76		70 - 130	01/24/23 12:21	01/28/23 21:41	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-31 3'

Lab Sample ID: 880-23897-2

Date Collected: 01/17/23 15:46

Matrix: Solid

Date Received: 01/19/23 08:47

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/30/23 12:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/02/23 13:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	50.0	mg/Kg		01/30/23 16:08	02/01/23 19:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/30/23 16:08	02/01/23 19:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/30/23 16:08	02/01/23 19:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	69	S1-	70 - 130			01/30/23 16:08	02/01/23 19:39	1
o-Terphenyl (Surr)	73		70 - 130			01/30/23 16:08	02/01/23 19:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.9		4.97	mg/Kg			01/26/23 06:56	1

Client Sample ID: S-34 1'

Lab Sample ID: 880-23897-4

Date Collected: 01/17/23 10:02

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/28/23 22:09	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/28/23 22:09	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/28/23 22:09	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/24/23 12:21	01/28/23 22:09	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/28/23 22:09	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/24/23 12:21	01/28/23 22:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	169	S1+	70 - 130			01/24/23 12:21	01/28/23 22:09	1
1,4-Difluorobenzene (Surr)	81		70 - 130			01/24/23 12:21	01/28/23 22:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/30/23 12:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	181		50.0	mg/Kg			02/02/23 12:15	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/30/23 16:04	02/01/23 19:06	1
Diesel Range Organics (Over C10-C28)	181		50.0	mg/Kg		01/30/23 16:04	02/01/23 19:06	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-34 1'

Lab Sample ID: 880-23897-4

Date Collected: 01/17/23 10:02

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/30/23 16:04	02/01/23 19:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130			01/30/23 16:04	02/01/23 19:06	1
o-Terphenyl (Surr)	107		70 - 130			01/30/23 16:04	02/01/23 19:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1370		25.0	mg/Kg			01/26/23 07:01	5

Client Sample ID: S-34 3'

Lab Sample ID: 880-23897-5

Date Collected: 01/17/23 10:03

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/28/23 22:36	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/28/23 22:36	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/28/23 22:36	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/24/23 12:21	01/28/23 22:36	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/28/23 22:36	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/24/23 12:21	01/28/23 22:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	186	S1+	70 - 130			01/24/23 12:21	01/28/23 22:36	1
1,4-Difluorobenzene (Surr)	82		70 - 130			01/24/23 12:21	01/28/23 22:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/30/23 12:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/01/23 09:57	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/31/23 13:01	01/31/23 22:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/31/23 13:01	01/31/23 22:09	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/31/23 13:01	01/31/23 22:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130			01/31/23 13:01	01/31/23 22:09	1
o-Terphenyl (Surr)	90		70 - 130			01/31/23 13:01	01/31/23 22:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.4		4.98	mg/Kg			01/26/23 07:06	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-35 1'

Lab Sample ID: 880-23897-6

Date Collected: 01/16/23 13:20

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/28/23 23:02	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/28/23 23:02	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/28/23 23:02	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/24/23 12:21	01/28/23 23:02	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/28/23 23:02	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/24/23 12:21	01/28/23 23:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	170	S1+	70 - 130	01/24/23 12:21	01/28/23 23:02	1
1,4-Difluorobenzene (Surr)	84		70 - 130	01/24/23 12:21	01/28/23 23:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/30/23 12:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	137		50.0	mg/Kg			02/02/23 12:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/30/23 16:00	02/01/23 11:05	1
Diesel Range Organics (Over C10-C28)	137		50.0	mg/Kg		01/30/23 16:00	02/01/23 11:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/30/23 16:00	02/01/23 11:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130	01/30/23 16:00	02/01/23 11:05	1
o-Terphenyl (Surr)	88		70 - 130	01/30/23 16:00	02/01/23 11:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2060		24.8	mg/Kg			01/26/23 07:11	5

Client Sample ID: S-35 3'

Lab Sample ID: 880-23897-7

Date Collected: 01/16/23 13:21

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/28/23 23:29	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/28/23 23:29	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/28/23 23:29	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/24/23 12:21	01/28/23 23:29	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/28/23 23:29	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/24/23 12:21	01/28/23 23:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	177	S1+	70 - 130	01/24/23 12:21	01/28/23 23:29	1
1,4-Difluorobenzene (Surr)	77		70 - 130	01/24/23 12:21	01/28/23 23:29	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-35 3'

Lab Sample ID: 880-23897-7

Date Collected: 01/16/23 13:21

Matrix: Solid

Date Received: 01/19/23 08:47

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/30/23 12:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/02/23 12:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 12:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 12:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 12:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			01/30/23 16:00	02/01/23 12:12	1
o-Terphenyl (Surr)	99		70 - 130			01/30/23 16:00	02/01/23 12:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		4.95	mg/Kg			01/26/23 07:25	1

Client Sample ID: S-36 1'

Lab Sample ID: 880-23897-8

Date Collected: 01/17/23 09:31

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/24/23 12:21	01/28/23 23:55	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/24/23 12:21	01/28/23 23:55	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/24/23 12:21	01/28/23 23:55	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/24/23 12:21	01/28/23 23:55	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/24/23 12:21	01/28/23 23:55	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/24/23 12:21	01/28/23 23:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	179	S1+	70 - 130			01/24/23 12:21	01/28/23 23:55	1
1,4-Difluorobenzene (Surr)	85		70 - 130			01/24/23 12:21	01/28/23 23:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			01/30/23 12:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	85.9		50.0	mg/Kg			02/01/23 09:57	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/31/23 13:01	01/31/23 22:31	1
Diesel Range Organics (Over C10-C28)	85.9		50.0	mg/Kg		01/31/23 13:01	01/31/23 22:31	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-36 1'

Lab Sample ID: 880-23897-8

Date Collected: 01/17/23 09:31

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/31/23 13:01	01/31/23 22:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130			01/31/23 13:01	01/31/23 22:31	1
o-Terphenyl (Surr)	97		70 - 130			01/31/23 13:01	01/31/23 22:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	402		5.01	mg/Kg			01/26/23 07:30	1

Client Sample ID: S-36 3'

Lab Sample ID: 880-23897-9

Date Collected: 01/17/23 09:32

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/24/23 12:21	01/29/23 00:22	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/24/23 12:21	01/29/23 00:22	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/24/23 12:21	01/29/23 00:22	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		01/24/23 12:21	01/29/23 00:22	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/24/23 12:21	01/29/23 00:22	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/24/23 12:21	01/29/23 00:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	170	S1+	70 - 130			01/24/23 12:21	01/29/23 00:22	1
1,4-Difluorobenzene (Surr)	84		70 - 130			01/24/23 12:21	01/29/23 00:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/30/23 12:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/01/23 09:57	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/31/23 13:01	01/31/23 22:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/31/23 13:01	01/31/23 22:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/31/23 13:01	01/31/23 22:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130			01/31/23 13:01	01/31/23 22:54	1
o-Terphenyl (Surr)	90		70 - 130			01/31/23 13:01	01/31/23 22:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	404		5.04	mg/Kg			01/26/23 07:35	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-36 5'

Lab Sample ID: 880-23897-10

Date Collected: 01/17/23 09:45

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/29/23 00:48	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/29/23 00:48	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/29/23 00:48	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/24/23 12:21	01/29/23 00:48	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/29/23 00:48	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/24/23 12:21	01/29/23 00:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	204	S1+	70 - 130	01/24/23 12:21	01/29/23 00:48	1
1,4-Difluorobenzene (Surr)	90		70 - 130	01/24/23 12:21	01/29/23 00:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/30/23 12:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/01/23 09:57	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/31/23 13:01	01/31/23 23:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/31/23 13:01	01/31/23 23:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/31/23 13:01	01/31/23 23:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130	01/31/23 13:01	01/31/23 23:16	1
o-Terphenyl (Surr)	95		70 - 130	01/31/23 13:01	01/31/23 23:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	391		4.99	mg/Kg			01/26/23 07:40	1

Client Sample ID: S-36 7'

Lab Sample ID: 880-23897-11

Date Collected: 01/17/23 09:46

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/24/23 12:21	01/29/23 01:15	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/24/23 12:21	01/29/23 01:15	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/24/23 12:21	01/29/23 01:15	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/24/23 12:21	01/29/23 01:15	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/24/23 12:21	01/29/23 01:15	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/24/23 12:21	01/29/23 01:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	158	S1+	70 - 130	01/24/23 12:21	01/29/23 01:15	1
1,4-Difluorobenzene (Surr)	78		70 - 130	01/24/23 12:21	01/29/23 01:15	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-36 7'

Lab Sample ID: 880-23897-11

Date Collected: 01/17/23 09:46

Matrix: Solid

Date Received: 01/19/23 08:47

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/30/23 12:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/01/23 09:57	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/31/23 13:01	01/31/23 23:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/31/23 13:01	01/31/23 23:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/31/23 13:01	01/31/23 23:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130			01/31/23 13:01	01/31/23 23:37	1
o-Terphenyl (Surr)	103		70 - 130			01/31/23 13:01	01/31/23 23:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	124		5.03	mg/Kg			01/26/23 07:45	1

Client Sample ID: S-38 1'

Lab Sample ID: 880-23897-12

Date Collected: 01/16/23 11:30

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/24/23 12:21	01/29/23 03:02	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/24/23 12:21	01/29/23 03:02	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/24/23 12:21	01/29/23 03:02	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/24/23 12:21	01/29/23 03:02	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/24/23 12:21	01/29/23 03:02	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/24/23 12:21	01/29/23 03:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	172	S1+	70 - 130			01/24/23 12:21	01/29/23 03:02	1
1,4-Difluorobenzene (Surr)	76		70 - 130			01/24/23 12:21	01/29/23 03:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/30/23 12:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/02/23 12:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/30/23 16:00	02/01/23 12:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/30/23 16:00	02/01/23 12:34	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-38 1'

Lab Sample ID: 880-23897-12

Date Collected: 01/16/23 11:30

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/30/23 16:00	02/01/23 12:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130			01/30/23 16:00	02/01/23 12:34	1
o-Terphenyl (Surr)	83		70 - 130			01/30/23 16:00	02/01/23 12:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	595		5.04	mg/Kg			01/26/23 07:50	1

Client Sample ID: S-38 3'

Lab Sample ID: 880-23897-13

Date Collected: 01/16/23 11:31

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/24/23 12:21	01/29/23 03:28	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/24/23 12:21	01/29/23 03:28	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/24/23 12:21	01/29/23 03:28	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		01/24/23 12:21	01/29/23 03:28	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/24/23 12:21	01/29/23 03:28	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		01/24/23 12:21	01/29/23 03:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130			01/24/23 12:21	01/29/23 03:28	1
1,4-Difluorobenzene (Surr)	72		70 - 130			01/24/23 12:21	01/29/23 03:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			01/30/23 12:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/02/23 12:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/30/23 16:00	02/01/23 12:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/30/23 16:00	02/01/23 12:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/30/23 16:00	02/01/23 12:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130			01/30/23 16:00	02/01/23 12:56	1
o-Terphenyl (Surr)	83		70 - 130			01/30/23 16:00	02/01/23 12:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	113		4.99	mg/Kg			01/26/23 08:04	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-38 5'

Lab Sample ID: 880-23897-14

Date Collected: 01/16/23 11:40

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/24/23 12:21	01/29/23 03:55	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/24/23 12:21	01/29/23 03:55	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/24/23 12:21	01/29/23 03:55	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		01/24/23 12:21	01/29/23 03:55	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/24/23 12:21	01/29/23 03:55	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/24/23 12:21	01/29/23 03:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	189	S1+	70 - 130	01/24/23 12:21	01/29/23 03:55	1
1,4-Difluorobenzene (Surr)	80		70 - 130	01/24/23 12:21	01/29/23 03:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/30/23 12:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/02/23 12:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 13:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 13:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130	01/30/23 16:00	02/01/23 13:18	1
o-Terphenyl (Surr)	84		70 - 130	01/30/23 16:00	02/01/23 13:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	94.9		4.98	mg/Kg			01/26/23 08:09	1

Client Sample ID: S-38 10'

Lab Sample ID: 880-23897-15

Date Collected: 01/16/23 11:45

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/24/23 12:21	01/29/23 04:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/24/23 12:21	01/29/23 04:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/24/23 12:21	01/29/23 04:22	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/24/23 12:21	01/29/23 04:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/24/23 12:21	01/29/23 04:22	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/24/23 12:21	01/29/23 04:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	196	S1+	70 - 130	01/24/23 12:21	01/29/23 04:22	1
1,4-Difluorobenzene (Surr)	89		70 - 130	01/24/23 12:21	01/29/23 04:22	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-38 10'

Lab Sample ID: 880-23897-15

Date Collected: 01/16/23 11:45

Matrix: Solid

Date Received: 01/19/23 08:47

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/30/23 12:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	64.8		49.9	mg/Kg			02/02/23 12:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 13:41	1
Diesel Range Organics (Over C10-C28)	64.8		49.9	mg/Kg		01/30/23 16:00	02/01/23 13:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 13:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130			01/30/23 16:00	02/01/23 13:41	1
o-Terphenyl (Surr)	79		70 - 130			01/30/23 16:00	02/01/23 13:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	94.2		5.00	mg/Kg			01/26/23 08:24	1

Client Sample ID: S-39 1'

Lab Sample ID: 880-23897-16

Date Collected: 01/16/23 14:30

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/24/23 12:21	01/29/23 04:48	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/24/23 12:21	01/29/23 04:48	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/24/23 12:21	01/29/23 04:48	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/24/23 12:21	01/29/23 04:48	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/24/23 12:21	01/29/23 04:48	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/24/23 12:21	01/29/23 04:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	188	S1+	70 - 130			01/24/23 12:21	01/29/23 04:48	1
1,4-Difluorobenzene (Surr)	86		70 - 130			01/24/23 12:21	01/29/23 04:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/30/23 12:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	256		49.9	mg/Kg			02/02/23 12:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 14:03	1
Diesel Range Organics (Over C10-C28)	256		49.9	mg/Kg		01/30/23 16:00	02/01/23 14:03	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-39 1'

Lab Sample ID: 880-23897-16

Date Collected: 01/16/23 14:30

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 14:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130			01/30/23 16:00	02/01/23 14:03	1
o-Terphenyl (Surr)	80		70 - 130			01/30/23 16:00	02/01/23 14:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	628		4.95	mg/Kg			01/26/23 08:28	1

Client Sample ID: S-39 3'

Lab Sample ID: 880-23897-17

Date Collected: 01/16/23 14:31

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/24/23 12:21	01/29/23 05:15	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/24/23 12:21	01/29/23 05:15	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/24/23 12:21	01/29/23 05:15	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/24/23 12:21	01/29/23 05:15	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/24/23 12:21	01/29/23 05:15	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/24/23 12:21	01/29/23 05:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	197	S1+	70 - 130			01/24/23 12:21	01/29/23 05:15	1
1,4-Difluorobenzene (Surr)	81		70 - 130			01/24/23 12:21	01/29/23 05:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			01/30/23 12:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/02/23 12:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 14:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 14:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 14:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130			01/30/23 16:00	02/01/23 14:25	1
o-Terphenyl (Surr)	82		70 - 130			01/30/23 16:00	02/01/23 14:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.2		5.02	mg/Kg			01/26/23 08:33	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-40 1'

Lab Sample ID: 880-23897-18

Date Collected: 01/16/23 13:34

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		01/24/23 12:21	01/29/23 05:42	1
Toluene	<0.00198	U	0.00198	mg/Kg		01/24/23 12:21	01/29/23 05:42	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/24/23 12:21	01/29/23 05:42	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		01/24/23 12:21	01/29/23 05:42	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/24/23 12:21	01/29/23 05:42	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		01/24/23 12:21	01/29/23 05:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	229	S1+	70 - 130	01/24/23 12:21	01/29/23 05:42	1
1,4-Difluorobenzene (Surr)	101		70 - 130	01/24/23 12:21	01/29/23 05:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			01/30/23 12:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/02/23 12:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 14:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 14:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130	01/30/23 16:00	02/01/23 14:47	1
o-Terphenyl (Surr)	86		70 - 130	01/30/23 16:00	02/01/23 14:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1650		24.9	mg/Kg			01/26/23 08:38	5

Client Sample ID: S-40 3'

Lab Sample ID: 880-23897-19

Date Collected: 01/16/23 13:35

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/29/23 06:08	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/29/23 06:08	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/29/23 06:08	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/24/23 12:21	01/29/23 06:08	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/24/23 12:21	01/29/23 06:08	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/24/23 12:21	01/29/23 06:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	181	S1+	70 - 130	01/24/23 12:21	01/29/23 06:08	1
1,4-Difluorobenzene (Surr)	79		70 - 130	01/24/23 12:21	01/29/23 06:08	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-40 3'

Lab Sample ID: 880-23897-19

Date Collected: 01/16/23 13:35

Matrix: Solid

Date Received: 01/19/23 08:47

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/30/23 12:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/02/23 12:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/30/23 16:00	02/01/23 15:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/30/23 16:00	02/01/23 15:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/30/23 16:00	02/01/23 15:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130			01/30/23 16:00	02/01/23 15:09	1
o-Terphenyl (Surr)	83		70 - 130			01/30/23 16:00	02/01/23 15:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	291		4.99	mg/Kg			01/26/23 08:43	1

Client Sample ID: S-40 5'

Lab Sample ID: 880-23897-20

Date Collected: 01/16/23 13:45

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/24/23 12:21	01/29/23 06:35	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/24/23 12:21	01/29/23 06:35	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/24/23 12:21	01/29/23 06:35	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/24/23 12:21	01/29/23 06:35	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/24/23 12:21	01/29/23 06:35	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/24/23 12:21	01/29/23 06:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	175	S1+	70 - 130			01/24/23 12:21	01/29/23 06:35	1
1,4-Difluorobenzene (Surr)	81		70 - 130			01/24/23 12:21	01/29/23 06:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			01/30/23 12:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/02/23 12:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 15:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 15:53	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-40 5'

Lab Sample ID: 880-23897-20

Date Collected: 01/16/23 13:45

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 15:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130			01/30/23 16:00	02/01/23 15:53	1
o-Terphenyl (Surr)	85		70 - 130			01/30/23 16:00	02/01/23 15:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	214		4.95	mg/Kg			01/26/23 08:48	1

Client Sample ID: S-40 7'

Lab Sample ID: 880-23897-21

Date Collected: 01/16/23 13:56

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/24/23 12:21	01/29/23 07:02	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/24/23 12:21	01/29/23 07:02	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/24/23 12:21	01/29/23 07:02	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/24/23 12:21	01/29/23 07:02	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/24/23 12:21	01/29/23 07:02	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/24/23 12:21	01/29/23 07:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	189	S1+	70 - 130			01/24/23 12:21	01/29/23 07:02	1
1,4-Difluorobenzene (Surr)	78		70 - 130			01/24/23 12:21	01/29/23 07:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/30/23 12:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/02/23 12:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 16:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 16:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 16:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130			01/30/23 16:00	02/01/23 16:15	1
o-Terphenyl (Surr)	87		70 - 130			01/30/23 16:00	02/01/23 16:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.3		4.96	mg/Kg			01/26/23 08:53	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-41 1'

Lab Sample ID: 880-23897-22

Date Collected: 01/16/23 13:01

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:13	01/28/23 03:14	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:13	01/28/23 03:14	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:13	01/28/23 03:14	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/25/23 14:13	01/28/23 03:14	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:13	01/28/23 03:14	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/25/23 14:13	01/28/23 03:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	01/25/23 14:13	01/28/23 03:14	1
1,4-Difluorobenzene (Surr)	116		70 - 130	01/25/23 14:13	01/28/23 03:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/30/23 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1290		50.0	mg/Kg			02/02/23 12:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/30/23 16:00	02/01/23 16:38	1
Diesel Range Organics (Over C10-C28)	1290		50.0	mg/Kg		01/30/23 16:00	02/01/23 16:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/30/23 16:00	02/01/23 16:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130	01/30/23 16:00	02/01/23 16:38	1
o-Terphenyl (Surr)	88		70 - 130	01/30/23 16:00	02/01/23 16:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2410	F1	25.1	mg/Kg			01/26/23 09:26	5

Client Sample ID: S-41 3'

Lab Sample ID: 880-23897-23

Date Collected: 01/16/23 13:02

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/25/23 14:13	01/28/23 03:34	1
Toluene	0.0459		0.00201	mg/Kg		01/25/23 14:13	01/28/23 03:34	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/25/23 14:13	01/28/23 03:34	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/25/23 14:13	01/28/23 03:34	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/25/23 14:13	01/28/23 03:34	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/25/23 14:13	01/28/23 03:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	01/25/23 14:13	01/28/23 03:34	1
1,4-Difluorobenzene (Surr)	121		70 - 130	01/25/23 14:13	01/28/23 03:34	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-41 3'

Lab Sample ID: 880-23897-23

Date Collected: 01/16/23 13:02

Matrix: Solid

Date Received: 01/19/23 08:47

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0459		0.00402	mg/Kg			01/30/23 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/02/23 12:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/30/23 16:00	02/01/23 16:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/30/23 16:00	02/01/23 16:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/30/23 16:00	02/01/23 16:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			01/30/23 16:00	02/01/23 16:59	1
o-Terphenyl (Surr)	97		70 - 130			01/30/23 16:00	02/01/23 16:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	139		4.97	mg/Kg			01/26/23 09:44	1

Client Sample ID: S-42 1'

Lab Sample ID: 880-23897-24

Date Collected: 01/16/23 12:30

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/25/23 14:13	01/28/23 03:55	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/25/23 14:13	01/28/23 03:55	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/25/23 14:13	01/28/23 03:55	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		01/25/23 14:13	01/28/23 03:55	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/25/23 14:13	01/28/23 03:55	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/25/23 14:13	01/28/23 03:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			01/25/23 14:13	01/28/23 03:55	1
1,4-Difluorobenzene (Surr)	117		70 - 130			01/25/23 14:13	01/28/23 03:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/30/23 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	78.7		49.9	mg/Kg			02/02/23 12:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 17:19	1
Diesel Range Organics (Over C10-C28)	78.7		49.9	mg/Kg		01/30/23 16:00	02/01/23 17:19	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-42 1'

Lab Sample ID: 880-23897-24

Date Collected: 01/16/23 12:30

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 17:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130			01/30/23 16:00	02/01/23 17:19	1
o-Terphenyl (Surr)	102		70 - 130			01/30/23 16:00	02/01/23 17:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2840		25.0	mg/Kg			01/26/23 09:50	5

Client Sample ID: S-42 3'

Lab Sample ID: 880-23897-25

Date Collected: 01/16/23 12:31

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:13	01/28/23 04:16	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:13	01/28/23 04:16	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:13	01/28/23 04:16	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/25/23 14:13	01/28/23 04:16	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:13	01/28/23 04:16	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/25/23 14:13	01/28/23 04:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			01/25/23 14:13	01/28/23 04:16	1
1,4-Difluorobenzene (Surr)	119		70 - 130			01/25/23 14:13	01/28/23 04:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/30/23 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/02/23 12:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 17:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 17:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 17:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			01/30/23 16:00	02/01/23 17:40	1
o-Terphenyl (Surr)	105		70 - 130			01/30/23 16:00	02/01/23 17:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1460		25.3	mg/Kg			01/26/23 15:45	5

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-42 5'

Lab Sample ID: 880-23897-26

Date Collected: 01/16/23 12:45

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:13	01/28/23 04:36	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:13	01/28/23 04:36	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:13	01/28/23 04:36	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/25/23 14:13	01/28/23 04:36	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:13	01/28/23 04:36	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/25/23 14:13	01/28/23 04:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	01/25/23 14:13	01/28/23 04:36	1
1,4-Difluorobenzene (Surr)	98		70 - 130	01/25/23 14:13	01/28/23 04:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/30/23 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/02/23 12:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 18:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 18:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 18:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130	01/30/23 16:00	02/01/23 18:02	1
o-Terphenyl (Surr)	91		70 - 130	01/30/23 16:00	02/01/23 18:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	682		5.04	mg/Kg			01/26/23 10:03	1

Client Sample ID: S-43 1'

Lab Sample ID: 880-23897-27

Date Collected: 01/16/23 12:01

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/25/23 14:13	01/28/23 04:57	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/25/23 14:13	01/28/23 04:57	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/25/23 14:13	01/28/23 04:57	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/25/23 14:13	01/28/23 04:57	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/25/23 14:13	01/28/23 04:57	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/25/23 14:13	01/28/23 04:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	01/25/23 14:13	01/28/23 04:57	1
1,4-Difluorobenzene (Surr)	118		70 - 130	01/25/23 14:13	01/28/23 04:57	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-43 1'

Lab Sample ID: 880-23897-27

Date Collected: 01/16/23 12:01

Matrix: Solid

Date Received: 01/19/23 08:47

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/30/23 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	168		49.9	mg/Kg			02/02/23 12:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 18:23	1
Diesel Range Organics (Over C10-C28)	168		49.9	mg/Kg		01/30/23 16:00	02/01/23 18:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 18:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			01/30/23 16:00	02/01/23 18:23	1
o-Terphenyl (Surr)	92		70 - 130			01/30/23 16:00	02/01/23 18:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1110		25.0	mg/Kg			01/26/23 10:21	5

Client Sample ID: S-43 3'

Lab Sample ID: 880-23897-28

Date Collected: 01/16/23 12:02

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *- *1	0.00201	mg/Kg		01/27/23 12:27	01/30/23 19:04	1
Toluene	<0.00201	U *- *1	0.00201	mg/Kg		01/27/23 12:27	01/30/23 19:04	1
Ethylbenzene	<0.00201	U *- *1	0.00201	mg/Kg		01/27/23 12:27	01/30/23 19:04	1
m,p-Xylenes	<0.00402	U *- *1	0.00402	mg/Kg		01/27/23 12:27	01/30/23 19:04	1
o-Xylene	<0.00201	U *- *1	0.00201	mg/Kg		01/27/23 12:27	01/30/23 19:04	1
Xylenes, Total	<0.00402	U *- *1	0.00402	mg/Kg		01/27/23 12:27	01/30/23 19:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	63	S1-	70 - 130			01/27/23 12:27	01/30/23 19:04	1
1,4-Difluorobenzene (Surr)	97		70 - 130			01/27/23 12:27	01/30/23 19:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/30/23 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/02/23 12:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 18:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 18:45	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-43 3'

Lab Sample ID: 880-23897-28

Date Collected: 01/16/23 12:02

Matrix: Solid

Date Received: 01/19/23 08:47

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130	01/30/23 16:00	02/01/23 18:45	1
o-Terphenyl (Surr)	95		70 - 130	01/30/23 16:00	02/01/23 18:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	350		5.00	mg/Kg			01/26/23 10:27	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-23897-1	S-31 1'	167 S1+	82
880-23897-1 MS	S-31 1'	155 S1+	94
880-23897-1 MSD	S-31 1'	172 S1+	104
880-23897-2	S-31 3'	122	76
880-23897-4	S-34 1'	169 S1+	81
880-23897-5	S-34 3'	186 S1+	82
880-23897-6	S-35 1'	170 S1+	84
880-23897-7	S-35 3'	177 S1+	77
880-23897-8	S-36 1'	179 S1+	85
880-23897-9	S-36 3'	170 S1+	84
880-23897-10	S-36 5'	204 S1+	90
880-23897-11	S-36 7'	158 S1+	78
880-23897-12	S-38 1'	172 S1+	76
880-23897-13	S-38 3'	148 S1+	72
880-23897-14	S-38 5'	189 S1+	80
880-23897-15	S-38 10'	196 S1+	89
880-23897-16	S-39 1'	188 S1+	86
880-23897-17	S-39 3'	197 S1+	81
880-23897-18	S-40 1'	229 S1+	101
880-23897-19	S-40 3'	181 S1+	79
880-23897-20	S-40 5'	175 S1+	81
880-23897-21	S-40 7'	189 S1+	78
880-23897-22	S-41 1'	103	116
880-23897-23	S-41 3'	111	121
880-23897-24	S-42 1'	104	117
880-23897-25	S-42 3'	109	119
880-23897-26	S-42 5'	100	98
880-23897-27	S-43 1'	112	118
880-23897-28	S-43 3'	63 S1-	97
LCS 880-44627/1-A	Lab Control Sample	170 S1+	95
LCS 880-44733/1-A	Lab Control Sample	96	113
LCS 880-44925/1-A	Lab Control Sample	101	103
LCSD 880-44627/2-A	Lab Control Sample Dup	169 S1+	92
LCSD 880-44733/2-A	Lab Control Sample Dup	94	115
LCSD 880-44925/2-A	Lab Control Sample Dup	93	109
MB 880-44627/5-A	Method Blank	115	77
MB 880-44733/5-A	Method Blank	98	113
MB 880-44890/5-A	Method Blank	101	110
MB 880-44907/5-A	Method Blank	102	85
MB 880-44925/5-A	Method Blank	71	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Eurofins Midland

Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-23897-1

Project/Site: Pliney Elder

SDG: 22-0107-02

Method: 8015B NM - Diesel Range Organics (DRO) (GC)**Matrix: Solid****Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-23897-1	S-31 1'	68 S1-	72
880-23897-2	S-31 3'	69 S1-	73
880-23897-4	S-34 1'	98	107
880-23897-5	S-34 3'	93	90
880-23897-6	S-35 1'	91	88
880-23897-6 MS	S-35 1'	109	98
880-23897-6 MSD	S-35 1'	105	91
880-23897-7	S-35 3'	107	99
880-23897-8	S-36 1'	101	97
880-23897-9	S-36 3'	93	90
880-23897-10	S-36 5'	98	95
880-23897-11	S-36 7'	110	103
880-23897-12	S-38 1'	87	83
880-23897-13	S-38 3'	87	83
880-23897-14	S-38 5'	88	84
880-23897-15	S-38 10'	83	79
880-23897-16	S-39 1'	88	80
880-23897-17	S-39 3'	87	82
880-23897-18	S-40 1'	88	86
880-23897-19	S-40 3'	85	83
880-23897-20	S-40 5'	85	85
880-23897-21	S-40 7'	97	87
880-23897-22	S-41 1'	87	88
880-23897-23	S-41 3'	103	97
880-23897-24	S-42 1'	105	102
880-23897-25	S-42 3'	107	105
880-23897-26	S-42 5'	89	91
880-23897-27	S-43 1'	89	92
880-23897-28	S-43 3'	93	95
LCS 880-45085/2-A	Lab Control Sample	99	92
LCS 880-45089/2-A	Lab Control Sample	84	89
LCS 880-45125/2-A	Lab Control Sample	112	102
LCSD 880-45085/3-A	Lab Control Sample Dup	115	99
LCSD 880-45089/3-A	Lab Control Sample Dup	75	73
LCSD 880-45125/3-A	Lab Control Sample Dup	89	94
MB 880-45085/1-A	Method Blank	112	115
MB 880-45089/1-A	Method Blank	94	111
MB 880-45125/1-A	Method Blank	141 S1+	136 S1+

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-44627/5-A

Matrix: Solid

Analysis Batch: 44889

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44627

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/24/23 12:21	01/28/23 20:46	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/24/23 12:21	01/28/23 20:46	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/24/23 12:21	01/28/23 20:46	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/24/23 12:21	01/28/23 20:46	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/24/23 12:21	01/28/23 20:46	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/24/23 12:21	01/28/23 20:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	01/24/23 12:21	01/28/23 20:46	1
1,4-Difluorobenzene (Surr)	77		70 - 130	01/24/23 12:21	01/28/23 20:46	1

Lab Sample ID: LCS 880-44627/1-A

Matrix: Solid

Analysis Batch: 44889

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44627

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09897		mg/Kg		99	70 - 130
Toluene	0.100	0.08332		mg/Kg		83	70 - 130
Ethylbenzene	0.100	0.08811		mg/Kg		88	70 - 130
m,p-Xylenes	0.200	0.1789		mg/Kg		89	70 - 130
o-Xylene	0.100	0.09644		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	170	S1+	70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-44627/2-A

Matrix: Solid

Analysis Batch: 44889

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44627

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1061		mg/Kg		106	70 - 130	7	35
Toluene	0.100	0.09283		mg/Kg		93	70 - 130	11	35
Ethylbenzene	0.100	0.09486		mg/Kg		95	70 - 130	7	35
m,p-Xylenes	0.200	0.1905		mg/Kg		95	70 - 130	6	35
o-Xylene	0.100	0.1038		mg/Kg		104	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	169	S1+	70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-23897-1 MS

Matrix: Solid

Analysis Batch: 44889

Client Sample ID: S-31 1'

Prep Type: Total/NA

Prep Batch: 44627

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F2 F1	0.0996	0.06554	F1	mg/Kg		66	70 - 130
Toluene	<0.00200	U F2 F1	0.0996	0.05627	F1	mg/Kg		56	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-23897-1 MS

Matrix: Solid

Analysis Batch: 44889

Client Sample ID: S-31 1'

Prep Type: Total/NA

Prep Batch: 44627

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F2 F1	0.0996	0.05346	F1	mg/Kg		54	70 - 130
m,p-Xylenes	<0.00401	U F2 F1	0.199	0.08181	F1	mg/Kg		41	70 - 130
o-Xylene	<0.00200	U F2 F1	0.0996	0.06776	F1	mg/Kg		68	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	155	S1+	70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-23897-1 MSD

Matrix: Solid

Analysis Batch: 44889

Client Sample ID: S-31 1'

Prep Type: Total/NA

Prep Batch: 44627

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 F1	0.0990	0.1102	F2	mg/Kg		111	70 - 130	51	35
Toluene	<0.00200	U F2 F1	0.0990	0.08671	F2	mg/Kg		88	70 - 130	43	35
Ethylbenzene	<0.00200	U F2 F1	0.0990	0.08356	F2	mg/Kg		84	70 - 130	44	35
m,p-Xylenes	<0.00401	U F2 F1	0.198	0.1264	F2 F1	mg/Kg		64	70 - 130	43	35
o-Xylene	<0.00200	U F2 F1	0.0990	0.09863	F2	mg/Kg		100	70 - 130	37	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	172	S1+	70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-44733/5-A

Matrix: Solid

Analysis Batch: 44898

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44733

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:13	01/28/23 01:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:13	01/28/23 01:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:13	01/28/23 01:22	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/25/23 14:13	01/28/23 01:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:13	01/28/23 01:22	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/25/23 14:13	01/28/23 01:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	01/25/23 14:13	01/28/23 01:22	1
1,4-Difluorobenzene (Surr)	113		70 - 130	01/25/23 14:13	01/28/23 01:22	1

Lab Sample ID: LCS 880-44733/1-A

Matrix: Solid

Analysis Batch: 44898

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44733

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09258		mg/Kg		93	70 - 130
Toluene	0.100	0.08424		mg/Kg		84	70 - 130
Ethylbenzene	0.100	0.08036		mg/Kg		80	70 - 130
m,p-Xylenes	0.200	0.1669		mg/Kg		83	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-44733/1-A

Matrix: Solid

Analysis Batch: 44898

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44733

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.08198		mg/Kg		82	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: LCSD 880-44733/2-A

Matrix: Solid

Analysis Batch: 44898

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44733

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09657		mg/Kg		97	70 - 130	4	35
Toluene	0.100	0.08844		mg/Kg		88	70 - 130	5	35
Ethylbenzene	0.100	0.08432		mg/Kg		84	70 - 130	5	35
m,p-Xylenes	0.200	0.1745		mg/Kg		87	70 - 130	4	35
o-Xylene	0.100	0.08425		mg/Kg		84	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: MB 880-44890/5-A

Matrix: Solid

Analysis Batch: 44898

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44890

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/23 09:13	01/27/23 13:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/23 09:13	01/27/23 13:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/23 09:13	01/27/23 13:07	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/27/23 09:13	01/27/23 13:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/23 09:13	01/27/23 13:07	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/27/23 09:13	01/27/23 13:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	01/27/23 09:13	01/27/23 13:07	1
1,4-Difluorobenzene (Surr)	110		70 - 130	01/27/23 09:13	01/27/23 13:07	1

Lab Sample ID: MB 880-44907/5-A

Matrix: Solid

Analysis Batch: 44889

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44907

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/23 11:13	01/28/23 02:58	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/23 11:13	01/28/23 02:58	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/23 11:13	01/28/23 02:58	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/27/23 11:13	01/28/23 02:58	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/23 11:13	01/28/23 02:58	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/27/23 11:13	01/28/23 02:58	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	01/27/23 11:13	01/28/23 02:58	1
1,4-Difluorobenzene (Surr)	85		70 - 130	01/27/23 11:13	01/28/23 02:58	1

Lab Sample ID: MB 880-44925/5-A

Matrix: Solid

Analysis Batch: 44988

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44925

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/23 12:27	01/30/23 12:53	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/23 12:27	01/30/23 12:53	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/23 12:27	01/30/23 12:53	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/27/23 12:27	01/30/23 12:53	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/23 12:27	01/30/23 12:53	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/27/23 12:27	01/30/23 12:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130	01/27/23 12:27	01/30/23 12:53	1
1,4-Difluorobenzene (Surr)	94		70 - 130	01/27/23 12:27	01/30/23 12:53	1

Lab Sample ID: LCS 880-44925/1-A

Matrix: Solid

Analysis Batch: 44988

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44925

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08717		mg/Kg		87	70 - 130
Toluene	0.100	0.08268		mg/Kg		83	70 - 130
Ethylbenzene	0.100	0.08368		mg/Kg		84	70 - 130
m,p-Xylenes	0.200	0.1754		mg/Kg		88	70 - 130
o-Xylene	0.100	0.08769		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-44925/2-A

Matrix: Solid

Analysis Batch: 44988

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44925

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.05057	*- *1	mg/Kg		51	70 - 130	53	35
Toluene	0.100	0.04357	*- *1	mg/Kg		44	70 - 130	62	35
Ethylbenzene	0.100	0.04001	*- *1	mg/Kg		40	70 - 130	71	35
m,p-Xylenes	0.200	0.08355	*- *1	mg/Kg		42	70 - 130	71	35
o-Xylene	0.100	0.04282	*- *1	mg/Kg		43	70 - 130	69	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-45085/1-A

Matrix: Solid

Analysis Batch: 45168

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45085

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 08:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 08:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 16:00	02/01/23 08:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130	01/30/23 16:00	02/01/23 08:29	1
o-Terphenyl (Surr)	115		70 - 130	01/30/23 16:00	02/01/23 08:29	1

Lab Sample ID: LCS 880-45085/2-A

Matrix: Solid

Analysis Batch: 45168

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45085

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	999	889.1		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	999	836.5		mg/Kg		84	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	99		70 - 130
o-Terphenyl (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-45085/3-A

Matrix: Solid

Analysis Batch: 45168

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45085

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	999	985.0		mg/Kg		99	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	999	939.6		mg/Kg		94	70 - 130	12	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	115		70 - 130
o-Terphenyl (Surr)	99		70 - 130

Lab Sample ID: 880-23897-6 MS

Matrix: Solid

Analysis Batch: 45168

Client Sample ID: S-35 1'

Prep Type: Total/NA

Prep Batch: 45085

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1105		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	137		1000	1072		mg/Kg		94	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-23897-6 MS

Matrix: Solid

Analysis Batch: 45168

Client Sample ID: S-35 1'

Prep Type: Total/NA

Prep Batch: 45085

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	109		70 - 130
o-Terphenyl (Surr)	98		70 - 130

Lab Sample ID: 880-23897-6 MSD

Matrix: Solid

Analysis Batch: 45168

Client Sample ID: S-35 1'

Prep Type: Total/NA

Prep Batch: 45085

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1076		mg/Kg		106	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	137		998	995.0		mg/Kg		86	70 - 130	7	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	105		70 - 130
o-Terphenyl (Surr)	91		70 - 130

Lab Sample ID: MB 880-45089/1-A

Matrix: Solid

Analysis Batch: 45165

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45089

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/30/23 16:08	02/01/23 08:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/30/23 16:08	02/01/23 08:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 16:08	02/01/23 08:54	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane (Surr)	94		70 - 130	01/30/23 16:08	02/01/23 08:54	1
o-Terphenyl (Surr)	111		70 - 130	01/30/23 16:08	02/01/23 08:54	1

Lab Sample ID: LCS 880-45089/2-A

Matrix: Solid

Analysis Batch: 45165

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45089

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	999	790.8		mg/Kg		79	70 - 130
Diesel Range Organics (Over C10-C28)	999	809.2		mg/Kg		81	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	84		70 - 130
o-Terphenyl (Surr)	89		70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-45089/3-A

Matrix: Solid

Analysis Batch: 45165

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45089

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	999	654.9	*-	mg/Kg		66	70 - 130	19	20
Diesel Range Organics (Over C10-C28)	999	738.8		mg/Kg		74	70 - 130	9	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	75		70 - 130						
o-Terphenyl (Surr)	73		70 - 130						

Lab Sample ID: MB 880-45125/1-A

Matrix: Solid

Analysis Batch: 45101

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45125

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/31/23 13:01	01/31/23 19:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/31/23 13:01	01/31/23 19:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/31/23 13:01	01/31/23 19:55	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac		
1-Chlorooctane (Surr)	141	S1+	70 - 130	01/31/23 13:01	01/31/23 19:55	1		
o-Terphenyl (Surr)	136	S1+	70 - 130	01/31/23 13:01	01/31/23 19:55	1		

Lab Sample ID: LCS 880-45125/2-A

Matrix: Solid

Analysis Batch: 45101

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45125

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			999	815.8		mg/Kg		82	70 - 130		
Diesel Range Organics (Over C10-C28)			999	832.9		mg/Kg		83	70 - 130		
Surrogate	LCS	LCS									
	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	112		70 - 130								
o-Terphenyl (Surr)	102		70 - 130								

Lab Sample ID: LCSD 880-45125/3-A

Matrix: Solid

Analysis Batch: 45101

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45125

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	999	847.0		mg/Kg		85	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	999	783.6		mg/Kg		78	70 - 130	6	20

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-45125/3-A

Matrix: Solid

Analysis Batch: 45101

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45125

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	89		70 - 130
o-Terphenyl (Surr)	94		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-44704/1-A

Matrix: Solid

Analysis Batch: 44799

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Chloride	<5.00	U	5.00	mg/Kg			01/26/23 06:27	1

Lab Sample ID: LCS 880-44704/2-A

Matrix: Solid

Analysis Batch: 44799

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	%Rec
	Added	Result	Qualifier				Limits	Limits
Chloride	250	266.7		mg/Kg		107	90 - 110	

Lab Sample ID: LCSD 880-44704/3-A

Matrix: Solid

Analysis Batch: 44799

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	%Rec	RPD	Limit
	Added	Result	Qualifier				Limits	RPD		
Chloride	250	260.3		mg/Kg		104	90 - 110	2	20	

Lab Sample ID: 880-23897-1 MS

Matrix: Solid

Analysis Batch: 44799

Client Sample ID: S-31 1'

Prep Type: Soluble

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits
Chloride	396	F1	253	659.6		mg/Kg		104	90 - 110	

Lab Sample ID: 880-23897-1 MSD

Matrix: Solid

Analysis Batch: 44799

Client Sample ID: S-31 1'

Prep Type: Soluble

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Chloride	396	F1	253	682.0	F1	mg/Kg		113	90 - 110	3	20	

Lab Sample ID: 880-23897-12 MS

Matrix: Solid

Analysis Batch: 44799

Client Sample ID: S-38 1'

Prep Type: Soluble

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits
Chloride	595		252	847.1		mg/Kg		100	90 - 110	

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-23897-12 MSD

Matrix: Solid

Analysis Batch: 44799

Client Sample ID: S-38 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	595		252	864.0		mg/Kg		107	90 - 110	2	20

Lab Sample ID: MB 880-44707/1-A

Matrix: Solid

Analysis Batch: 44800

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			01/26/23 09:07	1

Lab Sample ID: LCS 880-44707/2-A

Matrix: Solid

Analysis Batch: 44800

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	271.9		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-44707/3-A

Matrix: Solid

Analysis Batch: 44800

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	271.0		mg/Kg		108	90 - 110	0	20

Lab Sample ID: 880-23897-22 MS

Matrix: Solid

Analysis Batch: 44800

Client Sample ID: S-41 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2410	F1	1260	3998	F1	mg/Kg		127	90 - 110

Lab Sample ID: 880-23897-22 MSD

Matrix: Solid

Analysis Batch: 44800

Client Sample ID: S-41 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2410	F1	1260	4009	F1	mg/Kg		128	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

GC VOA

Prep Batch: 44627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23897-1	S-31 1'	Total/NA	Solid	5035	
880-23897-2	S-31 3'	Total/NA	Solid	5035	
880-23897-4	S-34 1'	Total/NA	Solid	5035	
880-23897-5	S-34 3'	Total/NA	Solid	5035	
880-23897-6	S-35 1'	Total/NA	Solid	5035	
880-23897-7	S-35 3'	Total/NA	Solid	5035	
880-23897-8	S-36 1'	Total/NA	Solid	5035	
880-23897-9	S-36 3'	Total/NA	Solid	5035	
880-23897-10	S-36 5'	Total/NA	Solid	5035	
880-23897-11	S-36 7'	Total/NA	Solid	5035	
880-23897-12	S-38 1'	Total/NA	Solid	5035	
880-23897-13	S-38 3'	Total/NA	Solid	5035	
880-23897-14	S-38 5'	Total/NA	Solid	5035	
880-23897-15	S-38 10'	Total/NA	Solid	5035	
880-23897-16	S-39 1'	Total/NA	Solid	5035	
880-23897-17	S-39 3'	Total/NA	Solid	5035	
880-23897-18	S-40 1'	Total/NA	Solid	5035	
880-23897-19	S-40 3'	Total/NA	Solid	5035	
880-23897-20	S-40 5'	Total/NA	Solid	5035	
880-23897-21	S-40 7'	Total/NA	Solid	5035	
MB 880-44627/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-44627/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-44627/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23897-1 MS	S-31 1'	Total/NA	Solid	5035	
880-23897-1 MSD	S-31 1'	Total/NA	Solid	5035	

Prep Batch: 44733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23897-22	S-41 1'	Total/NA	Solid	5035	
880-23897-23	S-41 3'	Total/NA	Solid	5035	
880-23897-24	S-42 1'	Total/NA	Solid	5035	
880-23897-25	S-42 3'	Total/NA	Solid	5035	
880-23897-26	S-42 5'	Total/NA	Solid	5035	
880-23897-27	S-43 1'	Total/NA	Solid	5035	
MB 880-44733/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-44733/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-44733/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 44889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23897-1	S-31 1'	Total/NA	Solid	8021B	44627
880-23897-2	S-31 3'	Total/NA	Solid	8021B	44627
880-23897-4	S-34 1'	Total/NA	Solid	8021B	44627
880-23897-5	S-34 3'	Total/NA	Solid	8021B	44627
880-23897-6	S-35 1'	Total/NA	Solid	8021B	44627
880-23897-7	S-35 3'	Total/NA	Solid	8021B	44627
880-23897-8	S-36 1'	Total/NA	Solid	8021B	44627
880-23897-9	S-36 3'	Total/NA	Solid	8021B	44627
880-23897-10	S-36 5'	Total/NA	Solid	8021B	44627
880-23897-11	S-36 7'	Total/NA	Solid	8021B	44627
880-23897-12	S-38 1'	Total/NA	Solid	8021B	44627

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

GC VOA (Continued)

Analysis Batch: 44889 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23897-13	S-38 3'	Total/NA	Solid	8021B	44627
880-23897-14	S-38 5'	Total/NA	Solid	8021B	44627
880-23897-15	S-38 10'	Total/NA	Solid	8021B	44627
880-23897-16	S-39 1'	Total/NA	Solid	8021B	44627
880-23897-17	S-39 3'	Total/NA	Solid	8021B	44627
880-23897-18	S-40 1'	Total/NA	Solid	8021B	44627
880-23897-19	S-40 3'	Total/NA	Solid	8021B	44627
880-23897-20	S-40 5'	Total/NA	Solid	8021B	44627
880-23897-21	S-40 7'	Total/NA	Solid	8021B	44627
MB 880-44627/5-A	Method Blank	Total/NA	Solid	8021B	44627
MB 880-44907/5-A	Method Blank	Total/NA	Solid	8021B	44907
LCS 880-44627/1-A	Lab Control Sample	Total/NA	Solid	8021B	44627
LCSD 880-44627/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	44627
880-23897-1 MS	S-31 1'	Total/NA	Solid	8021B	44627
880-23897-1 MSD	S-31 1'	Total/NA	Solid	8021B	44627

Prep Batch: 44890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-44890/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 44898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23897-22	S-41 1'	Total/NA	Solid	8021B	44733
880-23897-23	S-41 3'	Total/NA	Solid	8021B	44733
880-23897-24	S-42 1'	Total/NA	Solid	8021B	44733
880-23897-25	S-42 3'	Total/NA	Solid	8021B	44733
880-23897-26	S-42 5'	Total/NA	Solid	8021B	44733
880-23897-27	S-43 1'	Total/NA	Solid	8021B	44733
MB 880-44733/5-A	Method Blank	Total/NA	Solid	8021B	44733
MB 880-44890/5-A	Method Blank	Total/NA	Solid	8021B	44890
LCS 880-44733/1-A	Lab Control Sample	Total/NA	Solid	8021B	44733
LCSD 880-44733/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	44733

Prep Batch: 44907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-44907/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 44925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23897-28	S-43 3'	Total/NA	Solid	5035	
MB 880-44925/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-44925/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-44925/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 44988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23897-28	S-43 3'	Total/NA	Solid	8021B	44925
MB 880-44925/5-A	Method Blank	Total/NA	Solid	8021B	44925
LCS 880-44925/1-A	Lab Control Sample	Total/NA	Solid	8021B	44925
LCSD 880-44925/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	44925

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

GC VOA

Analysis Batch: 45033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23897-1	S-31 1'	Total/NA	Solid	Total BTEX	
880-23897-2	S-31 3'	Total/NA	Solid	Total BTEX	
880-23897-4	S-34 1'	Total/NA	Solid	Total BTEX	
880-23897-5	S-34 3'	Total/NA	Solid	Total BTEX	
880-23897-6	S-35 1'	Total/NA	Solid	Total BTEX	
880-23897-7	S-35 3'	Total/NA	Solid	Total BTEX	
880-23897-8	S-36 1'	Total/NA	Solid	Total BTEX	
880-23897-9	S-36 3'	Total/NA	Solid	Total BTEX	
880-23897-10	S-36 5'	Total/NA	Solid	Total BTEX	
880-23897-11	S-36 7'	Total/NA	Solid	Total BTEX	
880-23897-12	S-38 1'	Total/NA	Solid	Total BTEX	
880-23897-13	S-38 3'	Total/NA	Solid	Total BTEX	
880-23897-14	S-38 5'	Total/NA	Solid	Total BTEX	
880-23897-15	S-38 10'	Total/NA	Solid	Total BTEX	
880-23897-16	S-39 1'	Total/NA	Solid	Total BTEX	
880-23897-17	S-39 3'	Total/NA	Solid	Total BTEX	
880-23897-18	S-40 1'	Total/NA	Solid	Total BTEX	
880-23897-19	S-40 3'	Total/NA	Solid	Total BTEX	
880-23897-20	S-40 5'	Total/NA	Solid	Total BTEX	
880-23897-21	S-40 7'	Total/NA	Solid	Total BTEX	
880-23897-22	S-41 1'	Total/NA	Solid	Total BTEX	
880-23897-23	S-41 3'	Total/NA	Solid	Total BTEX	
880-23897-24	S-42 1'	Total/NA	Solid	Total BTEX	
880-23897-25	S-42 3'	Total/NA	Solid	Total BTEX	
880-23897-26	S-42 5'	Total/NA	Solid	Total BTEX	
880-23897-27	S-43 1'	Total/NA	Solid	Total BTEX	
880-23897-28	S-43 3'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 45085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23897-6	S-35 1'	Total/NA	Solid	8015NM Prep	
880-23897-7	S-35 3'	Total/NA	Solid	8015NM Prep	
880-23897-12	S-38 1'	Total/NA	Solid	8015NM Prep	
880-23897-13	S-38 3'	Total/NA	Solid	8015NM Prep	
880-23897-14	S-38 5'	Total/NA	Solid	8015NM Prep	
880-23897-15	S-38 10'	Total/NA	Solid	8015NM Prep	
880-23897-16	S-39 1'	Total/NA	Solid	8015NM Prep	
880-23897-17	S-39 3'	Total/NA	Solid	8015NM Prep	
880-23897-18	S-40 1'	Total/NA	Solid	8015NM Prep	
880-23897-19	S-40 3'	Total/NA	Solid	8015NM Prep	
880-23897-20	S-40 5'	Total/NA	Solid	8015NM Prep	
880-23897-21	S-40 7'	Total/NA	Solid	8015NM Prep	
880-23897-22	S-41 1'	Total/NA	Solid	8015NM Prep	
880-23897-23	S-41 3'	Total/NA	Solid	8015NM Prep	
880-23897-24	S-42 1'	Total/NA	Solid	8015NM Prep	
880-23897-25	S-42 3'	Total/NA	Solid	8015NM Prep	
880-23897-26	S-42 5'	Total/NA	Solid	8015NM Prep	
880-23897-27	S-43 1'	Total/NA	Solid	8015NM Prep	
880-23897-28	S-43 3'	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

GC Semi VOA (Continued)

Prep Batch: 45085 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-45085/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45085/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45085/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23897-6 MS	S-35 1'	Total/NA	Solid	8015NM Prep	
880-23897-6 MSD	S-35 1'	Total/NA	Solid	8015NM Prep	

Prep Batch: 45087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23897-4	S-34 1'	Total/NA	Solid	8015NM Prep	

Prep Batch: 45089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23897-1	S-31 1'	Total/NA	Solid	8015NM Prep	
880-23897-2	S-31 3'	Total/NA	Solid	8015NM Prep	
MB 880-45089/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45089/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45089/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 45101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23897-5	S-34 3'	Total/NA	Solid	8015B NM	45125
880-23897-8	S-36 1'	Total/NA	Solid	8015B NM	45125
880-23897-9	S-36 3'	Total/NA	Solid	8015B NM	45125
880-23897-10	S-36 5'	Total/NA	Solid	8015B NM	45125
880-23897-11	S-36 7'	Total/NA	Solid	8015B NM	45125
MB 880-45125/1-A	Method Blank	Total/NA	Solid	8015B NM	45125
LCS 880-45125/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45125
LCSD 880-45125/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45125

Prep Batch: 45125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23897-5	S-34 3'	Total/NA	Solid	8015NM Prep	
880-23897-8	S-36 1'	Total/NA	Solid	8015NM Prep	
880-23897-9	S-36 3'	Total/NA	Solid	8015NM Prep	
880-23897-10	S-36 5'	Total/NA	Solid	8015NM Prep	
880-23897-11	S-36 7'	Total/NA	Solid	8015NM Prep	
MB 880-45125/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45125/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45125/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 45165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23897-1	S-31 1'	Total/NA	Solid	8015B NM	45089
880-23897-2	S-31 3'	Total/NA	Solid	8015B NM	45089
MB 880-45089/1-A	Method Blank	Total/NA	Solid	8015B NM	45089
LCS 880-45089/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45089
LCSD 880-45089/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45089

Analysis Batch: 45168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23897-6	S-35 1'	Total/NA	Solid	8015B NM	45085

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

GC Semi VOA (Continued)

Analysis Batch: 45168 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23897-7	S-35 3'	Total/NA	Solid	8015B NM	45085
880-23897-12	S-38 1'	Total/NA	Solid	8015B NM	45085
880-23897-13	S-38 3'	Total/NA	Solid	8015B NM	45085
880-23897-14	S-38 5'	Total/NA	Solid	8015B NM	45085
880-23897-15	S-38 10'	Total/NA	Solid	8015B NM	45085
880-23897-16	S-39 1'	Total/NA	Solid	8015B NM	45085
880-23897-17	S-39 3'	Total/NA	Solid	8015B NM	45085
880-23897-18	S-40 1'	Total/NA	Solid	8015B NM	45085
880-23897-19	S-40 3'	Total/NA	Solid	8015B NM	45085
880-23897-20	S-40 5'	Total/NA	Solid	8015B NM	45085
880-23897-21	S-40 7'	Total/NA	Solid	8015B NM	45085
880-23897-22	S-41 1'	Total/NA	Solid	8015B NM	45085
880-23897-23	S-41 3'	Total/NA	Solid	8015B NM	45085
880-23897-24	S-42 1'	Total/NA	Solid	8015B NM	45085
880-23897-25	S-42 3'	Total/NA	Solid	8015B NM	45085
880-23897-26	S-42 5'	Total/NA	Solid	8015B NM	45085
880-23897-27	S-43 1'	Total/NA	Solid	8015B NM	45085
880-23897-28	S-43 3'	Total/NA	Solid	8015B NM	45085
MB 880-45085/1-A	Method Blank	Total/NA	Solid	8015B NM	45085
LCS 880-45085/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45085
LCSD 880-45085/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45085
880-23897-6 MS	S-35 1'	Total/NA	Solid	8015B NM	45085
880-23897-6 MSD	S-35 1'	Total/NA	Solid	8015B NM	45085

Analysis Batch: 45170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23897-4	S-34 1'	Total/NA	Solid	8015B NM	45087

Analysis Batch: 45173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23897-1	S-31 1'	Total/NA	Solid	8015 NM	
880-23897-2	S-31 3'	Total/NA	Solid	8015 NM	
880-23897-4	S-34 1'	Total/NA	Solid	8015 NM	
880-23897-5	S-34 3'	Total/NA	Solid	8015 NM	
880-23897-6	S-35 1'	Total/NA	Solid	8015 NM	
880-23897-7	S-35 3'	Total/NA	Solid	8015 NM	
880-23897-8	S-36 1'	Total/NA	Solid	8015 NM	
880-23897-9	S-36 3'	Total/NA	Solid	8015 NM	
880-23897-10	S-36 5'	Total/NA	Solid	8015 NM	
880-23897-11	S-36 7'	Total/NA	Solid	8015 NM	
880-23897-12	S-38 1'	Total/NA	Solid	8015 NM	
880-23897-13	S-38 3'	Total/NA	Solid	8015 NM	
880-23897-14	S-38 5'	Total/NA	Solid	8015 NM	
880-23897-15	S-38 10'	Total/NA	Solid	8015 NM	
880-23897-16	S-39 1'	Total/NA	Solid	8015 NM	
880-23897-17	S-39 3'	Total/NA	Solid	8015 NM	
880-23897-18	S-40 1'	Total/NA	Solid	8015 NM	
880-23897-19	S-40 3'	Total/NA	Solid	8015 NM	
880-23897-20	S-40 5'	Total/NA	Solid	8015 NM	
880-23897-21	S-40 7'	Total/NA	Solid	8015 NM	
880-23897-22	S-41 1'	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

GC Semi VOA (Continued)

Analysis Batch: 45173 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23897-23	S-41 3'	Total/NA	Solid	8015 NM	
880-23897-24	S-42 1'	Total/NA	Solid	8015 NM	
880-23897-25	S-42 3'	Total/NA	Solid	8015 NM	
880-23897-26	S-42 5'	Total/NA	Solid	8015 NM	
880-23897-27	S-43 1'	Total/NA	Solid	8015 NM	
880-23897-28	S-43 3'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 44704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23897-1	S-31 1'	Soluble	Solid	DI Leach	
880-23897-2	S-31 3'	Soluble	Solid	DI Leach	
880-23897-4	S-34 1'	Soluble	Solid	DI Leach	
880-23897-5	S-34 3'	Soluble	Solid	DI Leach	
880-23897-6	S-35 1'	Soluble	Solid	DI Leach	
880-23897-7	S-35 3'	Soluble	Solid	DI Leach	
880-23897-8	S-36 1'	Soluble	Solid	DI Leach	
880-23897-9	S-36 3'	Soluble	Solid	DI Leach	
880-23897-10	S-36 5'	Soluble	Solid	DI Leach	
880-23897-11	S-36 7'	Soluble	Solid	DI Leach	
880-23897-12	S-38 1'	Soluble	Solid	DI Leach	
880-23897-13	S-38 3'	Soluble	Solid	DI Leach	
880-23897-14	S-38 5'	Soluble	Solid	DI Leach	
880-23897-15	S-38 10'	Soluble	Solid	DI Leach	
880-23897-16	S-39 1'	Soluble	Solid	DI Leach	
880-23897-17	S-39 3'	Soluble	Solid	DI Leach	
880-23897-18	S-40 1'	Soluble	Solid	DI Leach	
880-23897-19	S-40 3'	Soluble	Solid	DI Leach	
880-23897-20	S-40 5'	Soluble	Solid	DI Leach	
880-23897-21	S-40 7'	Soluble	Solid	DI Leach	
MB 880-44704/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44704/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-44704/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23897-1 MS	S-31 1'	Soluble	Solid	DI Leach	
880-23897-1 MSD	S-31 1'	Soluble	Solid	DI Leach	
880-23897-12 MS	S-38 1'	Soluble	Solid	DI Leach	
880-23897-12 MSD	S-38 1'	Soluble	Solid	DI Leach	

Leach Batch: 44707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23897-22	S-41 1'	Soluble	Solid	DI Leach	
880-23897-23	S-41 3'	Soluble	Solid	DI Leach	
880-23897-24	S-42 1'	Soluble	Solid	DI Leach	
880-23897-25	S-42 3'	Soluble	Solid	DI Leach	
880-23897-26	S-42 5'	Soluble	Solid	DI Leach	
880-23897-27	S-43 1'	Soluble	Solid	DI Leach	
880-23897-28	S-43 3'	Soluble	Solid	DI Leach	
MB 880-44707/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44707/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-44707/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

HPLC/IC (Continued)

Leach Batch: 44707 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23897-22 MS	S-41 1'	Soluble	Solid	DI Leach	
880-23897-22 MSD	S-41 1'	Soluble	Solid	DI Leach	

Analysis Batch: 44799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23897-1	S-31 1'	Soluble	Solid	300.0	44704
880-23897-2	S-31 3'	Soluble	Solid	300.0	44704
880-23897-4	S-34 1'	Soluble	Solid	300.0	44704
880-23897-5	S-34 3'	Soluble	Solid	300.0	44704
880-23897-6	S-35 1'	Soluble	Solid	300.0	44704
880-23897-7	S-35 3'	Soluble	Solid	300.0	44704
880-23897-8	S-36 1'	Soluble	Solid	300.0	44704
880-23897-9	S-36 3'	Soluble	Solid	300.0	44704
880-23897-10	S-36 5'	Soluble	Solid	300.0	44704
880-23897-11	S-36 7'	Soluble	Solid	300.0	44704
880-23897-12	S-38 1'	Soluble	Solid	300.0	44704
880-23897-13	S-38 3'	Soluble	Solid	300.0	44704
880-23897-14	S-38 5'	Soluble	Solid	300.0	44704
880-23897-15	S-38 10'	Soluble	Solid	300.0	44704
880-23897-16	S-39 1'	Soluble	Solid	300.0	44704
880-23897-17	S-39 3'	Soluble	Solid	300.0	44704
880-23897-18	S-40 1'	Soluble	Solid	300.0	44704
880-23897-19	S-40 3'	Soluble	Solid	300.0	44704
880-23897-20	S-40 5'	Soluble	Solid	300.0	44704
880-23897-21	S-40 7'	Soluble	Solid	300.0	44704
MB 880-44704/1-A	Method Blank	Soluble	Solid	300.0	44704
LCS 880-44704/2-A	Lab Control Sample	Soluble	Solid	300.0	44704
LCSD 880-44704/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	44704
880-23897-1 MS	S-31 1'	Soluble	Solid	300.0	44704
880-23897-1 MSD	S-31 1'	Soluble	Solid	300.0	44704
880-23897-12 MS	S-38 1'	Soluble	Solid	300.0	44704
880-23897-12 MSD	S-38 1'	Soluble	Solid	300.0	44704

Analysis Batch: 44800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23897-22	S-41 1'	Soluble	Solid	300.0	44707
880-23897-23	S-41 3'	Soluble	Solid	300.0	44707
880-23897-24	S-42 1'	Soluble	Solid	300.0	44707
880-23897-25	S-42 3'	Soluble	Solid	300.0	44707
880-23897-26	S-42 5'	Soluble	Solid	300.0	44707
880-23897-27	S-43 1'	Soluble	Solid	300.0	44707
880-23897-28	S-43 3'	Soluble	Solid	300.0	44707
MB 880-44707/1-A	Method Blank	Soluble	Solid	300.0	44707
LCS 880-44707/2-A	Lab Control Sample	Soluble	Solid	300.0	44707
LCSD 880-44707/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	44707
880-23897-22 MS	S-41 1'	Soluble	Solid	300.0	44707
880-23897-22 MSD	S-41 1'	Soluble	Solid	300.0	44707

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-31 1'

Lab Sample ID: 880-23897-1

Date Collected: 01/17/23 15:45

Matrix: Solid

Date Received: 01/19/23 08:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	44627	01/24/23 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44889	01/28/23 21:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 12:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45173	02/02/23 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45089	01/30/23 16:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45165	02/01/23 19:18	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	44704	01/25/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1			44799	01/26/23 06:42	CH	EET MID

Client Sample ID: S-31 3'

Lab Sample ID: 880-23897-2

Date Collected: 01/17/23 15:46

Matrix: Solid

Date Received: 01/19/23 08:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44627	01/24/23 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44889	01/28/23 21:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 12:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45173	02/02/23 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45089	01/30/23 16:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45165	02/01/23 19:39	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44704	01/25/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1			44799	01/26/23 06:56	CH	EET MID

Client Sample ID: S-34 1'

Lab Sample ID: 880-23897-4

Date Collected: 01/17/23 10:02

Matrix: Solid

Date Received: 01/19/23 08:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44627	01/24/23 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44889	01/28/23 22:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 12:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45173	02/02/23 12:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45087	01/30/23 16:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45170	02/01/23 19:06	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44704	01/25/23 09:28	KS	EET MID
Soluble	Analysis	300.0		5			44799	01/26/23 07:01	CH	EET MID

Client Sample ID: S-34 3'

Lab Sample ID: 880-23897-5

Date Collected: 01/17/23 10:03

Matrix: Solid

Date Received: 01/19/23 08:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44627	01/24/23 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44889	01/28/23 22:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 12:32	AJ	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-34 3'**Date Collected: 01/17/23 10:03****Date Received: 01/19/23 08:47****Lab Sample ID: 880-23897-5****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			45173	02/01/23 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45125	01/31/23 13:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45101	01/31/23 22:09	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	44704	01/25/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1			44799	01/26/23 07:06	CH	EET MID

Client Sample ID: S-35 1'**Date Collected: 01/16/23 13:20****Date Received: 01/19/23 08:47****Lab Sample ID: 880-23897-6****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44627	01/24/23 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44889	01/28/23 23:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 12:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45173	02/02/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	45085	01/30/23 16:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45168	02/01/23 11:05	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	44704	01/25/23 09:28	KS	EET MID
Soluble	Analysis	300.0		5			44799	01/26/23 07:11	CH	EET MID

Client Sample ID: S-35 3'**Date Collected: 01/16/23 13:21****Date Received: 01/19/23 08:47****Lab Sample ID: 880-23897-7****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44627	01/24/23 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44889	01/28/23 23:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 12:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45173	02/02/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45085	01/30/23 16:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45168	02/01/23 12:12	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	44704	01/25/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1			44799	01/26/23 07:25	CH	EET MID

Client Sample ID: S-36 1'**Date Collected: 01/17/23 09:31****Date Received: 01/19/23 08:47****Lab Sample ID: 880-23897-8****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	44627	01/24/23 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44889	01/28/23 23:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 12:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45173	02/01/23 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45125	01/31/23 13:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45101	01/31/23 22:31	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-36 1'**Lab Sample ID: 880-23897-8****Date Collected: 01/17/23 09:31****Matrix: Solid****Date Received: 01/19/23 08:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	44704	01/25/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1			44799	01/26/23 07:30	CH	EET MID

Client Sample ID: S-36 3'**Lab Sample ID: 880-23897-9****Date Collected: 01/17/23 09:32****Matrix: Solid****Date Received: 01/19/23 08:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	44627	01/24/23 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44889	01/29/23 00:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 12:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45173	02/01/23 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45125	01/31/23 13:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45101	01/31/23 22:54	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	44704	01/25/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1			44799	01/26/23 07:35	CH	EET MID

Client Sample ID: S-36 5'**Lab Sample ID: 880-23897-10****Date Collected: 01/17/23 09:45****Matrix: Solid****Date Received: 01/19/23 08:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44627	01/24/23 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44889	01/29/23 00:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 12:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45173	02/01/23 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45125	01/31/23 13:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45101	01/31/23 23:16	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	44704	01/25/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1			44799	01/26/23 07:40	CH	EET MID

Client Sample ID: S-36 7'**Lab Sample ID: 880-23897-11****Date Collected: 01/17/23 09:46****Matrix: Solid****Date Received: 01/19/23 08:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	44627	01/24/23 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44889	01/29/23 01:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 12:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45173	02/01/23 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45125	01/31/23 13:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45101	01/31/23 23:37	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	44704	01/25/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1			44799	01/26/23 07:45	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-38 1'

Lab Sample ID: 880-23897-12

Date Collected: 01/16/23 11:30

Matrix: Solid

Date Received: 01/19/23 08:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	44627	01/24/23 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44889	01/29/23 03:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 12:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45173	02/02/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45085	01/30/23 16:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45168	02/01/23 12:34	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	44704	01/25/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1			44799	01/26/23 07:50	CH	EET MID

Client Sample ID: S-38 3'

Lab Sample ID: 880-23897-13

Date Collected: 01/16/23 11:31

Matrix: Solid

Date Received: 01/19/23 08:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	44627	01/24/23 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44889	01/29/23 03:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 12:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45173	02/02/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45085	01/30/23 16:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45168	02/01/23 12:56	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	44704	01/25/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1			44799	01/26/23 08:04	CH	EET MID

Client Sample ID: S-38 5'

Lab Sample ID: 880-23897-14

Date Collected: 01/16/23 11:40

Matrix: Solid

Date Received: 01/19/23 08:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	44627	01/24/23 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44889	01/29/23 03:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 12:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45173	02/02/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45085	01/30/23 16:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45168	02/01/23 13:18	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	44704	01/25/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1			44799	01/26/23 08:09	CH	EET MID

Client Sample ID: S-38 10'

Lab Sample ID: 880-23897-15

Date Collected: 01/16/23 11:45

Matrix: Solid

Date Received: 01/19/23 08:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44627	01/24/23 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44889	01/29/23 04:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 12:32	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-38 10'

Lab Sample ID: 880-23897-15

Date Collected: 01/16/23 11:45

Matrix: Solid

Date Received: 01/19/23 08:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			45173	02/02/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45085	01/30/23 16:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45168	02/01/23 13:41	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44704	01/25/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1			44799	01/26/23 08:24	CH	EET MID

Client Sample ID: S-39 1'

Lab Sample ID: 880-23897-16

Date Collected: 01/16/23 14:30

Matrix: Solid

Date Received: 01/19/23 08:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	44627	01/24/23 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44889	01/29/23 04:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 12:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45173	02/02/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45085	01/30/23 16:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45168	02/01/23 14:03	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	44704	01/25/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1			44799	01/26/23 08:28	CH	EET MID

Client Sample ID: S-39 3'

Lab Sample ID: 880-23897-17

Date Collected: 01/16/23 14:31

Matrix: Solid

Date Received: 01/19/23 08:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	44627	01/24/23 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44889	01/29/23 05:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 12:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45173	02/02/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45085	01/30/23 16:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45168	02/01/23 14:25	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	44704	01/25/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1			44799	01/26/23 08:33	CH	EET MID

Client Sample ID: S-40 1'

Lab Sample ID: 880-23897-18

Date Collected: 01/16/23 13:34

Matrix: Solid

Date Received: 01/19/23 08:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	44627	01/24/23 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44889	01/29/23 05:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 12:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45173	02/02/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45085	01/30/23 16:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45168	02/01/23 14:47	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-40 1'**Lab Sample ID: 880-23897-18****Date Collected: 01/16/23 13:34****Matrix: Solid****Date Received: 01/19/23 08:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	44704	01/25/23 09:28	KS	EET MID
Soluble	Analysis	300.0		5			44799	01/26/23 08:38	CH	EET MID

Client Sample ID: S-40 3'**Lab Sample ID: 880-23897-19****Date Collected: 01/16/23 13:35****Matrix: Solid****Date Received: 01/19/23 08:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44627	01/24/23 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44889	01/29/23 06:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 12:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45173	02/02/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45085	01/30/23 16:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45168	02/01/23 15:09	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	44704	01/25/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1			44799	01/26/23 08:43	CH	EET MID

Client Sample ID: S-40 5'**Lab Sample ID: 880-23897-20****Date Collected: 01/16/23 13:45****Matrix: Solid****Date Received: 01/19/23 08:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	44627	01/24/23 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44889	01/29/23 06:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 12:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45173	02/02/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45085	01/30/23 16:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45168	02/01/23 15:53	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	44704	01/25/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1			44799	01/26/23 08:48	CH	EET MID

Client Sample ID: S-40 7'**Lab Sample ID: 880-23897-21****Date Collected: 01/16/23 13:56****Matrix: Solid****Date Received: 01/19/23 08:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44627	01/24/23 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44889	01/29/23 07:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 12:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45173	02/02/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45085	01/30/23 16:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45168	02/01/23 16:15	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	44704	01/25/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1			44799	01/26/23 08:53	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-41 1'

Lab Sample ID: 880-23897-22

Date Collected: 01/16/23 13:01

Matrix: Solid

Date Received: 01/19/23 08:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44733	01/25/23 14:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44898	01/28/23 03:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45173	02/02/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45085	01/30/23 16:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45168	02/01/23 16:38	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	44707	01/25/23 09:29	KS	EET MID
Soluble	Analysis	300.0		5			44800	01/26/23 09:26	CH	EET MID

Client Sample ID: S-41 3'

Lab Sample ID: 880-23897-23

Date Collected: 01/16/23 13:02

Matrix: Solid

Date Received: 01/19/23 08:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	44733	01/25/23 14:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44898	01/28/23 03:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45173	02/02/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45085	01/30/23 16:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45168	02/01/23 16:59	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44707	01/25/23 09:29	KS	EET MID
Soluble	Analysis	300.0		1			44800	01/26/23 09:44	CH	EET MID

Client Sample ID: S-42 1'

Lab Sample ID: 880-23897-24

Date Collected: 01/16/23 12:30

Matrix: Solid

Date Received: 01/19/23 08:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	44733	01/25/23 14:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44898	01/28/23 03:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45173	02/02/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45085	01/30/23 16:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45168	02/01/23 17:19	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	44707	01/25/23 09:29	KS	EET MID
Soluble	Analysis	300.0		5			44800	01/26/23 09:50	CH	EET MID

Client Sample ID: S-42 3'

Lab Sample ID: 880-23897-25

Date Collected: 01/16/23 12:31

Matrix: Solid

Date Received: 01/19/23 08:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44733	01/25/23 14:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44898	01/28/23 04:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 10:47	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-42 3'

Lab Sample ID: 880-23897-25

Date Collected: 01/16/23 12:31

Matrix: Solid

Date Received: 01/19/23 08:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			45173	02/02/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45085	01/30/23 16:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45168	02/01/23 17:40	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	44707	01/25/23 09:29	KS	EET MID
Soluble	Analysis	300.0		5			44800	01/26/23 15:45	CH	EET MID

Client Sample ID: S-42 5'

Lab Sample ID: 880-23897-26

Date Collected: 01/16/23 12:45

Matrix: Solid

Date Received: 01/19/23 08:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44733	01/25/23 14:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44898	01/28/23 04:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45173	02/02/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45085	01/30/23 16:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45168	02/01/23 18:02	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	44707	01/25/23 09:29	KS	EET MID
Soluble	Analysis	300.0		1			44800	01/26/23 10:03	CH	EET MID

Client Sample ID: S-43 1'

Lab Sample ID: 880-23897-27

Date Collected: 01/16/23 12:01

Matrix: Solid

Date Received: 01/19/23 08:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	44733	01/25/23 14:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44898	01/28/23 04:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45173	02/02/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45085	01/30/23 16:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45168	02/01/23 18:23	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44707	01/25/23 09:29	KS	EET MID
Soluble	Analysis	300.0		5			44800	01/26/23 10:21	CH	EET MID

Client Sample ID: S-43 3'

Lab Sample ID: 880-23897-28

Date Collected: 01/16/23 12:02

Matrix: Solid

Date Received: 01/19/23 08:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	44925	01/27/23 12:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44988	01/30/23 19:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45033	01/30/23 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45173	02/02/23 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45085	01/30/23 16:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45168	02/01/23 18:45	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Client Sample ID: S-43 3'
Date Collected: 01/16/23 12:02
Date Received: 01/19/23 08:47

Lab Sample ID: 880-23897-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	44707	01/25/23 09:29	KS	EET MID
Soluble	Analysis	300.0		1			44800	01/26/23 10:27	CH	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Pliney Elder

Job ID: 880-23897-1
SDG: 22-0107-02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-23897-1	S-31 1'	Solid	01/17/23 15:45	01/19/23 08:47
880-23897-2	S-31 3'	Solid	01/17/23 15:46	01/19/23 08:47
880-23897-4	S-34 1'	Solid	01/17/23 10:02	01/19/23 08:47
880-23897-5	S-34 3'	Solid	01/17/23 10:03	01/19/23 08:47
880-23897-6	S-35 1'	Solid	01/16/23 13:20	01/19/23 08:47
880-23897-7	S-35 3'	Solid	01/16/23 13:21	01/19/23 08:47
880-23897-8	S-36 1'	Solid	01/17/23 09:31	01/19/23 08:47
880-23897-9	S-36 3'	Solid	01/17/23 09:32	01/19/23 08:47
880-23897-10	S-36 5'	Solid	01/17/23 09:45	01/19/23 08:47
880-23897-11	S-36 7'	Solid	01/17/23 09:46	01/19/23 08:47
880-23897-12	S-38 1'	Solid	01/16/23 11:30	01/19/23 08:47
880-23897-13	S-38 3'	Solid	01/16/23 11:31	01/19/23 08:47
880-23897-14	S-38 5'	Solid	01/16/23 11:40	01/19/23 08:47
880-23897-15	S-38 10'	Solid	01/16/23 11:45	01/19/23 08:47
880-23897-16	S-39 1'	Solid	01/16/23 14:30	01/19/23 08:47
880-23897-17	S-39 3'	Solid	01/16/23 14:31	01/19/23 08:47
880-23897-18	S-40 1'	Solid	01/16/23 13:34	01/19/23 08:47
880-23897-19	S-40 3'	Solid	01/16/23 13:35	01/19/23 08:47
880-23897-20	S-40 5'	Solid	01/16/23 13:45	01/19/23 08:47
880-23897-21	S-40 7'	Solid	01/16/23 13:56	01/19/23 08:47
880-23897-22	S-41 1'	Solid	01/16/23 13:01	01/19/23 08:47
880-23897-23	S-41 3'	Solid	01/16/23 13:02	01/19/23 08:47
880-23897-24	S-42 1'	Solid	01/16/23 12:30	01/19/23 08:47
880-23897-25	S-42 3'	Solid	01/16/23 12:31	01/19/23 08:47
880-23897-26	S-42 5'	Solid	01/16/23 12:45	01/19/23 08:47
880-23897-27	S-43 1'	Solid	01/16/23 12:01	01/19/23 08:47
880-23897-28	S-43 3'	Solid	01/16/23 12:02	01/19/23 08:47

2/2/2023

~~2/2/2023~~

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-23897-1

SDG Number: 22-0107-02

Login Number: 23897**List Number: 1****Creator: Teel, Brianna****List Source: Eurofins Midland**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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 containers received 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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 188896

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 188896
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. The release area needs confirmation samples representing no more than 200 ft2. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. The work will need to occur in 90 days after the work plan has been reviewed.	6/22/2023