Texas Commission on Environmental Quality

Remediation Division Correspondence Identification Form

SITE & PROGRAM AREA IDENTIFICATION

SITE LOCATION				REMEDIATION DIVISION PROGRAM AND FACILITY IDENTIFICATION	
Site Name: **El Campo Aluminum**				Is This Site Being Managed Under A State Lead Contract? ☐ Yes ☑ No	
Address 1: **902 Gladys Street**				Program Area: **VOLUNTARY CLEANUP PROGRAM**	
Address 2:				Mail Code: **MC-221**	
City: **El Campo**		State: **Texas**		Is This A New Site To This Program Area? ☐ Yes ☑ No	
Zip Code: **77437**	County: **Wharton**			**VCP No.:**	**538**
TCEQ Region: **Region 12 - Houston**				**--Leave This Field Blank--**	**--Leave This Field Blank--**

DOCUMENT(S) IDENTIFICATION

	PHASE OF REMEDIATION	DOCUMENT NAME
1.	**ASSESSMENT**	**GROUNDWATER (OR OTHER MEDIA) MONITORING REPORT**
2.		
3.		
4.		
5.		

CONTACT INFORMATION

RESPONSIBLE PARTY/APPLICANT/CUSTOMER

Name: **Eric G. Lardiere**
Company: **Whittaker Corporation** Phone Number: **805-526-5700** Fax Number: **805-584-4182**
Address 1: **1955 N. Surveyor Ave.** City: **Simi Valley** State: **CA** Zip Code: **93063**
Address 2: Email Address: **Eric.Lardiere@meggitt.com**

ENVIRONMENTAL CONSULTANT/REPORT PREPARER/AGENT

Name: **Jonathan M. Skaggs, PG**
Company: **GSI Environmental Inc.** Phone Number: **512-346-4474** Fax Number:
Address 1: **9600 Great Hills Trail** City: **Austin** State: **TX** Zip Code: **78759**
Address 2: Email Address: **jmskaggs@gsienv.com**

TCEQ INTERNAL USE ONLY

Document No.	TCEQ Database Term	Document No.	TCEQ Database Term
1.	**GW/MEDIA MONITORING RPT**	4.	
2.		5.	
3.			

2020 ANNUAL GROUNDWATER MONITORING REPORT

Former El Campo Aluminum Facility
902 Gladys Street
El Campo, Texas 77437

Customer No. CN601736101
Regulated Entity No. RN101475192
Voluntary Cleanup Program No. 538

Prepared for:

Whittaker Corporation
1955 North Surveyor Avenue
Simi Valley, California 93063-3386

31 March 2020

GSI ENVIRONMENTAL

GSI Environmental Inc.

9600 Great Hills Trail, Suite 350E ■ Austin, TX 78759 ■ P: 512.346.4474

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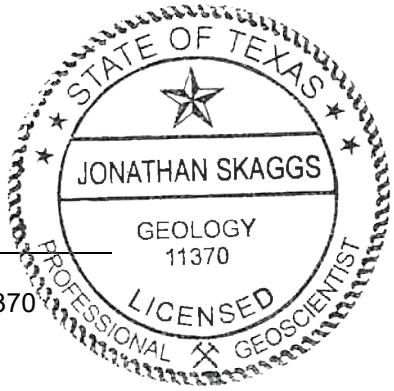
9600 Great Hills Trail, Suite #350E
Austin, Texas 78759
512.346.4474

GSI Job No. 5452

Issued: 31 March 2021



Jonathan M. Skaggs, PG
Texas Professional Geoscientist No. 11370

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1.0 INTRODUCTION

This report summarizes groundwater monitoring and response action activities performed in 2020 by Wood Environment & Infrastructure Solutions, Inc. (Wood; first quarter 2020) and GSI Environmental, Inc. (GSI: second, third, and fourth quarters 2020) at and near the former El Campo Aluminum Facility ('the Plant') located at 902 Gladys Street in El Campo, Texas. For the purposes of this report, 'the Site' describes areas where groundwater assessment, monitoring, and response action activities occur within an approximately 2-mile-long area at and to the south of the former Plant. The Site is subject to the Texas Risk Reduction Program (TRRP) (Chapter 30 Texas Administrative Code [30 TAC] §350) and is overseen by the Texas Commission on Environmental Quality (TCEQ) Voluntary Cleanup Program (VCP), site No. 538, executed on 20 July 2006. The purpose of ongoing environmental work at the Site is to monitor and address volatile organic compounds (VOCs) in groundwater, specifically trichloroethene (TCE) and its degradation products including 1,1-dichloroethene (1,1-DCE), cis-1,2-dichloroethene (cDCE), trans-1,2-dichloroethene (tDCE), and vinyl chloride.

Environmental investigations at the Site commenced in 1997. For a full chronology of historical investigations, refer to Geomatrix Consultants Inc.'s December 2006 *Affected Property Assessment Report* (APAR, Geomatrix, 2006). Response action activities are currently being implemented under the following TCEQ-approved documents:

- May 2008 *Response Action Plan* (RAP, Geomatrix, 2008);
- December 2011 *RAP Supplement* (2011 RAP Supplement, AMEC, 2011); and
- July 2014 *RAP Supplement* (2014 RAP Supplement; AMEC, 2014).

Groundwater analytical data and a summary of groundwater response action activities were provided to TCEQ in groundwater Response Action Effectiveness Reports (RAERs) submitted in 2011, 2012, 2016, and 2019.

In 2020, the following groundwater monitoring and response action activities were completed:

1. Wood conducted the site-wide groundwater sampling event in January/February/March 2020;
2. GSI conducted quarterly groundwater monitoring at select wells during the second, third, and fourth quarters of 2020 in June, September, and December, respectively; and
3. Approximately 3,200 gallons of molasses were injected into Injection Galleries 1 and 4 as a part of the active groundwater response action.

1.1 Public Notification

During the week of 22 March 2021, GSI sent notifications (via mail) to the public and easement holders explaining that additional groundwater data are available, and a copy of the annual groundwater monitoring report was sent directly to the El Campo Branch of the Wharton County Library in El Campo, Texas. As required by 30 TAC §350.55(d), a notarized statement of notification is included as Appendix A of this report along with a summary table of parties receiving notices.

2.0 GROUNDWATER-BEARING UNITS

The Site is underlain by three coarse-grained alluvial groundwater bearing units (GWBUs). From shallow to deep, the unit names and approximate depths are as follows:

- **A-Zone**: approximately 32 to 50 feet below ground surface (bgs);
- **B-Zone**: approximately 150 to 135 feet bgs; and
- **C-Zone**: approximately 150 to 200 feet bgs (Geomatrix, 2006; Wood, 2020).

Hydraulic separation is likely between the B- and C-zones because a clay aquitard is consistently observed between the two zones and wells screened in these zones exhibit significant differences in hydraulic head.

3.0 GROUNDWATER MONITORING ACTIVITIES

Groundwater monitoring activities at the Site are conducted quarterly. The first quarter of the year is an annual site-wide monitoring event. In 2020, the first quarter monitoring event included wells in the A-, B- and C-zones. The second, third, and fourth quarter events are more focused events that evaluate a subset of B-zone wells in key locations (downgradient of molasses injection galleries and along the B-Zone PCLE zone boundaries). The TCEQ-approved groundwater sampling and analysis schedule through 2023 is presented as Table 1.

During each monitoring event, GSI employed standard low-flow groundwater sampling techniques as described below.

- Prior to sampling, each well was inspected for damage and repairs were made, as necessary.
- Static water levels were collected to the nearest hundredth of a foot using an electric water level meter.
- After collecting a static water level, a stainless-steel submersible flow-controlled pump was connected to dedicated polyethylene tubing and lowered into the well.
- Wells were purged until water quality parameters (e.g. specific conductivity, oxidation-reduction potential, dissolved oxygen) stabilized, at which point a sample was collected in laboratory-provided containers.
- After sampling each well, the submersible pump (and power cord) and water level meter were cleaned using mild detergent (e.g. Liquinox®) prior to use at the next well.

In addition to the quarterly monitoring events, the central injection gallery recovery well, IG4-RW-1, was sampled to ensure that injection activities were in compliance with TCEQ Underground Injection Control (UIC) Class V Injection Well Authorization No. 5X2600478. Well IG4-RW-1 was sampled during each molasses injection event, which were conducted on a monthly basis in January and February 2020 and on a quarterly basis beginning in the second quarter of 2020.

4.0 GROUNDWATER MONITORING RESULTS

The following section summarizes the results of groundwater monitoring activities performed in 2020.

4.1 Groundwater Elevations

Groundwater elevations in the A-, B-, and C-zones are presented in Tables 2, 3, and 4, respectively. Elevations and gradients observed in each of the GWBUs during the reporting period were generally consistent with historical observations. The sections below describe groundwater elevations from the 2020 first quarter (annual site-wide monitoring) event in for each GWBU.

4.1.1 A-Zone Groundwater Elevations

As shown in Table 2, A-zone groundwater elevations in first quarter 2020 ranged from 65.24 feet above mean sea level (feet AMSL; MW-111A) to 68.60 feet AMSL (MW-4A). The hydraulic gradient in the A-Zone is to the southwest at approximately 6 x 10^{-4} feet/feet (ft/ft) as measured between wells MW-4A (to the north) and MW-111A (to the south) (Figure 1).

4.1.2 B-Zone Groundwater Elevations

Groundwater elevations measured in the B-zone in first quarter 2020 ranged from 58.33 feet AMSL (MW-136B) to 68.13 feet AMSL (IG2-MW-1) (Table 3). In the northern portion of the Site, between wells MW-116B and MW-142B, the hydraulic gradient is approximately 5 x 10^{-4} ft/ft to the southwest. In the southern plume area, the hydraulic gradient between MW-128B and MW-138B is approximately 8 x 10^{-4} ft/ft to the south (Figure 2). B-Zone groundwater potentiometric surface maps for second, third, and fourth quarters of 2020 are included as Figures 3, 4, and 5, respectively. The groundwater gradient in the B-zone was generally consistent between sampling events in 2020 and was also consistent with historical observations.

4.1.3 C-Zone Groundwater Elevations

Groundwater elevations measured in the C-zone in first quarter 2020 ranged from 50.58 (MW-130C) to 52.27 (MW-11C) feet AMSL (Table 4). The hydraulic gradient in the C-Zone is south-southeasterly at approximately 4 x 10^{-4} ft/ft as measured between MW-11C and MW-130C (Figure 6).

4.2 Groundwater Analytical Results

This section summarizes groundwater analytical data from groundwater monitoring activities conducted in 2020. Groundwater analytical results for the A-Zone (Table 5), B-Zone (Table 6), and C-Zone (Table 7) were compared to TCEQ Tier 1 residential groundwater ingestion ($^{GW}GW_{Ing}$) Protective Concentration Levels (PCLs). Data usability summaries and laboratory reports for groundwater analytical data are included in Appendix B. Discussion in this section focuses on concentrations of the four primary contaminants of concern (COCs) at the Site: TCE and its degradation products 1,1-DCE, cDCE, and vinyl chloride.

4.2.1 A-Zone Analytical Results

TCE was not detected at all A-zone wells, with the exception of well MW-9A (2.04 µg/L) located to the west of the Plant (Figure 7). Exceedances of the PCL (5 µg/L) at MW-9A have not been observed since May 2019. Low concentrations (estimated “J flag”) of cDCE (VFW-MW-1),

bromomethane (MW-9A), and chloromethane (VFW-MW-1) were detected in A-Zone wells, but well below respective PCLs.

4.2.2 B-Zone Analytical Results

Analytical results from groundwater samples collected from B-Zone wells in 2020 indicated that TCE and its degradation products, 1,1-DCE, cDCE, and vinyl chloride, exceeded their respective PCLs in several wells. Other COCs that were detected below their respective PCLs include: 1,1,1,2-tetrachloroethane, 1,1,2-trichloroethane, 1,1-dichlorethane, 1,2-dichloroethane, 1,2-dichloropropane, bromo-methane, chlorobenzene, chloroethane, chloroform, chloromethane, dibromochloromethane, naphthalene, toluene, and trans-1,2-dichloroethene (tDCE; another degradation product of TCE).

As shown in Figures 8 through 11, the TCE PCL exceedance (PCLE) zone encompasses an approximately two-mile-long area between MW-7B and MW-140B (north to south) and MW-142 and MW-146B (east to west). In general, quarterly PCLE zones for TCE are consistent through 2020. The TCE PCLE zone is also consistent with those from prior years (Figure 24 and Figure 25) although the southern extent has increased between wells MW-133B and MW-140B (discussed further in Section 4.2.2.1). The southern extent of the TCE PLCE zone continues to be delineated by wells MW-137B, MW-140B, and MW-135B.

PCLE zones for 1,1-DCE, cDCE, and vinyl chloride are smaller than the TCE PCLE zone, as shown in Figures 12 through 23. PCLE zones for TCE degradation products are generally consistent through 2020, and are also generally consistent with those from prior years (Figure 24 and Figure 25). As expected, concentrations of TCE degradation products are highest immediately downgradient of the molasses injection galleries, suggesting that enhanced biodegradation of TCE is occurring as a result of the response action.

4.2.2.1 Southern Plume Area Evaluation

In a letter dated 14 October 2020 to Whittaker, the TCEQ requested that Whittaker submit an investigative report to characterize hydrogeologic conditions in the southern portion of the B-Zone groundwater PCLE zone. Specifically, the TCEQ expressed concern over the potential for the B-Zone PCLE zone to migrate and impact private water wells located southeast of wells MW-134B and MW-135B, as concentrations in those wells have increased since 2016, but have remained below the critical PCL. GSI responded to the TCEQ's request with the *Southern Plume Area Evaluation* letter report dated 27 January 2021 (GSI, 2021). The TCEQ approved this report in their 11 February 2021 letter to Whittaker. The key findings of the report were as follows:

- The geologic conditions are consistent with previous site characterization work and there do not appear to be any geologic anomalies in this area that could have caused the recent increase in TCE concentrations.

- No private water wells were found to be located inside or within 1,000 feet of the B-Zone PCLE Zone boundary; therefore, no water wells are currently threatened.

- The cause of the increasing TCE concentrations in wells MW-134B and MW-135B is currently unknown. GSI will continue quarterly monitoring of these wells to confirm that no water wells become threatened in the future. If consistent detections of any COCs above their respective PCL are observed at wells MW-134B and MW-135B, GSI will conduct additional groundwater assessments to delineate the B-Zone PCLE zone.

4.2.3 C-Zone Analytical Results

Analytical results at MW-7C and MW-23C exceeded the TCE PCL of 5 µg/L (15.2 µg/L and 20.7 µg/L; Figure 26). TCE was detected but did not exceed its PCL at wells PPW-2 and MW-17C (2.93 JL µg/L and 1.99 µg/L). Other VOCs were detected sporadically, but at levels below their respective PCLs, including TCE degradation products cDCE, 1,1-DCE, and tDCE, as well as 1,1-dichloroethane, benzene, ethylbenzene, naphthalene, styrene, and toluene. The extent of the PCLE zone in C-Zone wells is consistent with that observed in prior years (Figure 27) and is delineated in the cross-gradient direction by wells MW-17C and MW-22C and downgradient by MW-130C.

5.0 RESPONSE ACTION STATUS

In 2020, GSI continued to implement the groundwater response action to address the groundwater PCLE zones in accordance with the TCEQ-approved RAP and RAP Supplements for the Site (Geomatrix 2008; AMEC 2011; AMEC 2014). As described in the approved plans, the current groundwater response action consists of:

- Active Response Action: Molasses injections focused on the core of the B-Zone TCE plume (areas where TCE concentrations exceed 100 µg/L) to stimulate biodegradation of TCE and its degradation products.
- Passive Response Action: Monitored natural attenuation (MNA) to address the portions of the groundwater PCLE Zones where TCE is below 100 µg/L.

During this reporting period, approximately 3,200 gallons of molasses were injected into select Injection Gallery 1 and Injection Gallery 4 injection wells.

6.0 WELL PLUGGING ACTIVITIES

As approved by the TCEQ GSI retained a Texas-licensed driller to plug and abandon the following eleven wells in accordance with 16 TAC §76.104:

- Wells MW-22A, MW-116B, and MW-123B were plugged on 30 July 2020.
- MW-18A, MW-23A, MW-24B, MW-25A, MW-101B, MW-108B, and MW-111A were plugged on 5 November 2020.
- Well MW-120B was plugged on 9 December 2020.

GSI provided copies of the State of Texas Well Plugging Reports to the TCEQ as attachments to letters dated 16 September 2020 and 11 December 2020 (GSI, 2020a and 2020b).

7.0 FUTURE ACTIVITIES

Planned activities at the Site in 2021 include:

- Continue regularly scheduled quarterly groundwater monitoring activities;
- Quarterly molasses injections at Injection Galleries 1 and 4; and

- Plugging and abandonment of wells MW-104B, MW-138B, and MW-139B.

The results of 2021 monitoring activities and an update on response action status will be submitted in the next annual groundwater monitoring report by 31 March 2022.

8.0 REFERENCES

AMEC Environment & Infrastructure, Inc. (AMEC), 2011, Response Action Plan Supplement, El Campo Aluminum Facility, El Campo, Texas, VCP No. 538, December.

AMEC, 2014, Response Action Plan Supplement, El Campo Aluminum Facility, El Campo, Texas, VCP No. 538, July 8.

Geomatrix Consultants, Inc. (Geomatrix), 2006, Affected Property Assessment Report, El Campo Groundwater Site, VCP No. 538, December.

Geomatrix, 2008, Response Action Plan, El Campo Aluminum Facility, El Campo, Texas, VCP No. 538, May.

GSI Environmental, Inc. (GSI), 2020a, Response to TCEQ's August 17, 2020 Letter, Former El Campo Facility, 902 Gladys Street, El Campo Texas 77437, September 16.

GSI, 2020b, Response to TCEQ's 14 October 2020 Letter, Former El Campo Facility, 902 Gladys Street, El Campo Texas 77437, December 11.

GSI, 2021, Response to TCEQ's 14 October 2020 Letter, Southern Plume Area Evaluation, Former El Campo Facility, 902 Gladys Street, El Campo Texas 77437, January 27.

Wood, 2020 2020 Response Action Effectiveness Report, Former El Campo Aluminum Facility, VCP No. 538, July.

TABLES

TABLE 1
GROUNDWATER SAMPLING AND ANALYSIS SCHEDULE THROUGH 2023
Former El Campo Aluminum Facility
El Campo, Texas

GSI ENVIRONMENTAL

Well ID	2020	2021				2022				2023				2024			
	4Q20	1Q21	2Q21	3Q21	4Q21	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24	3Q24	4Q24
A-Zone[2]																	
MW-6A										X							
MW-7A										X							
MW-9A										X							
MW-10A										X							
MW-13A										X							
MW-14A										X							
MW-21A										X							
VFW-MW-1										X							
B-Zone																	
IG1-MW-1	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
IG1-MW-2	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
IG1-MW-3	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
IG1-MW-4	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
IG1-MW-5	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
IG1-MW-6B1	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
IG1-MW-6B2	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
IG1-MW-6B3	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
IG1-MW-7	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
IG1-RW-4	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
IG2-MW-1	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
IG2-MW-2	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
IG2-MW-3	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
IG2-MW-4	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
IG3-MW-1	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
IG4-MW-1	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
IG4-MW-2	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
IG4-MW-3	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
IG4-RW-1	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
MW-5B		X				X				X				X			
MW-6B		**X**				**X**				**X**				**X**			
MW-7B		**X**				**X**				**X**				**X**			
MW-10B						X								X			
MW-12B						X								X			
MW-14B		X				X				X				X			
MW-17B		**X**				**X**				**X**				**X**			
MW-19B						X								X			
MW-21B	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
MW-25B		X				X				X				X			
MW-26B						X								X			
MW-100B		X				X				X				X			
MW-102B		X				X				X				X			
MW-103B		X				X				X				X			
MW-109B	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
MW-110B		X				X				X				X			
MW-111B	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
MW-112B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-112B2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-113B	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
MW-114B	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
MW-115B-R	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
MW-117B		X				X				X				X			
MW-118B		X				X				X				X			
MW-119B						X								X			
MW-121B		X				X				X				X			
MW-124B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-125B	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
MW-126B	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
MW-127B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-128B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-131B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-132B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-133B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-134B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-135B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-136B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-137B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-140B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-141B	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
MW-142B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-143B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-146B	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
MW-147B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PSRW-1						X								X			
C-Zone																	
MW-5C						X								X			
MW-7C		X				X				X				X			
MW-17C		X				X				X				X			
MW-22C						X								X			
MW-23C		X				X				X				X			
MW-130C		X				X				X				X			
PPW-1						X								X			
PPW-2		X				X				X				X			
Total Wells	**45**	**63**	**45**	**45**	**45**	**72**	**45**	**45**	**45**	**71**	**45**	**45**	**45**	**72**	**45**	**45**	**45**

Notes:
1. **Shaded and Bolded** indicates sample will be analyzed for VOC, TDS, TOC, Methane, Ethane, and Ethene. All others to be analyzed for VOCs only.
2. A-Zone groundwater monitoring wells were last sampled during the first quarter of 2020.

Abbreviations:
EPA = U.S. Environmental Protection Agency
PPW = Plant Production Well
TDS = total dissolved solids
TOC = total organic carbon
VOCs = volatile organic compounds

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TABLE 2
GROUNDWATER ELEVATIONS - A-ZONE
Former El Campo Aluminum Facility
El Campo, Texas

Well	Measurement Date	TOC (ft AMSL)	DTW (ft)	Groundwater Elevation (ft AMSL)
MW-2A	01/21/20	102.40	34.01	68.39
MW-4A	01/21/20	102.48	33.88	68.60
MW-6A	01/21/20	101.65	34.12	67.53
MW-7A	01/21/20	99.61	32.40	67.21
MW-8A	01/21/20	102.91	35.39	67.52
MW-9A	01/21/20	100.72	32.82	67.90
MW-10A	01/21/20	99.86	31.53	68.33
MW-12A	01/21/20	99.62	32.42	67.20
MW-13A	01/21/20	99.38	31.84	67.54
MW-19A	01/21/20	103.20	35.07	68.13
MW-21A	01/21/20	99.56	32.36	67.20
MW-22A	01/21/20	102.53	35.25	67.28
MW-23A	01/21/20	102.78	35.67	67.11
MW-25A	01/21/20	100.56	32.87	67.69
MW-109A	01/21/20	100.99	35.16	65.83
MW-111A	01/21/20	101.22	35.98	65.24

Notes:
1. TOC = top of casing; ft AMSL = feet above mean sea level; DTW = depth to water (ft below TOC)
2. Zone A wells gauged in January 2020.

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TABLE 3
GROUNDWATER ELEVATIONS - B-ZONE
Former El Campo Aluminum Facility
El Campo, Texas

Well	Measurement Date	TOC (ft AMSL)	DTW (ft)	Groundwater Elevation (ft AMSL)
IG1-MW-1	1/22/2020	104.15	38.42	65.73
IG1-MW-1	6/1/2020	104.15	38.42	65.73
IG1-MW-1	9/14/2020	104.15	38.64	65.51
IG1-MW-1	12/7/2020	104.15	39.81	64.34
IG1-MW-2	1/22/2020	103.90	38.58	65.32
IG1-MW-2	6/1/2020	103.90	38.56	65.32
IG1-MW-2	9/17/2020	103.90	38.74	65.16
IG1-MW-2	12/7/2020	103.90	38.80	65.10
IG1-MW-3	1/22/2020	104.16	38.45	65.71
IG1-MW-3	6/1/2020	104.16	38.42	65.74
IG1-MW-3	9/14/2020	104.16	38.64	65.52
IG1-MW-3	12/7/2020	104.16	38.67	65.49
IG1-MW-4	1/21/2020	104.12	38.25	65.87
IG1-MW-4	6/9/2020	104.12	38.20	65.92
IG1-MW-4	9/14/2020	104.12	38.48	65.64
IG1-MW-4	12/7/2020	104.12	38.47	65.65
IG1-MW-5	1/21/2020	104.28	38.63	65.65
IG1-MW-5	6/1/2020	104.28	38.66	65.62
IG1-MW-5	9/14/2020	104.28	38.85	65.43
IG1-MW-5	12/7/2020	104.28	38.85	65.43
IG1-MW-6B1	1/22/2020	104.00	38.25	65.75
IG1-MW-6B1	6/1/2020	104.00	38.27	65.73
IG1-MW-6B1	9/14/2020	104.00	38.47	65.53
IG1-MW-6B1	12/7/2020	104.00	38.48	65.52
IG1-MW-6B2	1/22/2020	104.15	36.88	67.27
IG1-MW-6B2	6/1/2020	104.15	38.68	65.47
IG1-MW-6B2	9/14/2020	104.15	38.88	65.27
IG1-MW-6B2	12/7/2020	104.15	38.88	65.27
IG1-MW-6B3	1/22/2020	104.13	38.34	65.79
IG1-MW-6B3	6/1/2020	104.13	38.35	65.78
IG1-MW-6B3	9/14/2020	104.13	38.55	65.58
IG1-MW-6B3	12/7/2020	104.13	38.55	65.58
IG1-MW-7	1/21/2020	103.29	37.69	65.60
IG1-MW-7	6/10/2020	103.29	37.74	65.55
IG1-MW-7	9/14/2020	103.29	37.94	65.35
IG1-MW-7	12/7/2020	103.29	37.89	65.40
IG1-RW-4	6/1/2020	101.76	39.40	62.36
IG1-RW-4	9/14/2020	101.76	39.59	62.17
IG1-RW-4	12/7/2020	101.76	39.58	62.18
IG2-MW-1	1/21/2020	100.75	33.59	67.16
IG2-MW-1	6/1/2020	100.75	33.62	67.13

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TABLE 3
GROUNDWATER ELEVATIONS - B-ZONE
Former El Campo Aluminum Facility
El Campo, Texas

Well	Measurement Date	TOC (ft AMSL)	DTW (ft)	Groundwater Elevation (ft AMSL)
IG2-MW-1	9/14/2020	100.75	33.82	66.93
IG2-MW-1	12/7/2020	100.75	32.62	68.13
IG2-MW-2	1/21/2020	101.87	34.30	67.57
IG2-MW-2	6/1/2020	101.87	34.32	67.55
IG2-MW-2	9/17/2020	101.87	34.54	67.33
IG2-MW-2	12/7/2020	101.87	34.55	67.32
IG2-MW-3	1/26/2020	99.75	32.27	67.48
IG2-MW-3	6/1/2020	99.75	32.23	67.52
IG2-MW-3	9/14/2020	99.75	32.48	67.27
IG2-MW-3	12/7/2020	99.75	32.45	67.30
IG2-MW-4	1/26/2020	102.31	35.20	67.11
IG2-MW-4	9/14/2020	102.31	35.47	66.84
IG2-MW-4	12/7/2020	102.31	35.47	66.84
IG3-MW-1	1/22/2020	100.76	34.72	66.04
IG3-MW-1	6/1/2020	100.76	34.67	66.09
IG3-MW-1	9/14/2020	100.76	34.91	65.85
IG3-MW-1	12/7/2020	100.76	34.92	65.84
IG4-MW-1	1/21/2020	101.74	36.38	65.36
IG4-MW-1	6/1/2020	101.74	36.41	65.33
IG4-MW-1	9/14/2020	101.74	36.61	65.13
IG4-MW-1	12/7/2020	101.74	36.59	65.15
IG4-MW-2	1/21/2020	104.63	39.58	65.05
IG4-MW-2	6/1/2020	104.63	39.60	65.03
IG4-MW-2	9/14/2020	104.63	39.76	64.87
IG4-MW-2	12/7/2020	104.63	39.70	64.93
IG4-MW-3	1/21/2020	104.04	39.09	64.95
IG4-MW-3	6/1/2020	104.04	39.04	65.00
IG4-MW-3	9/14/2020	104.04	39.22	64.82
IG4-MW-3	12/7/2020	104.04	39.22	64.82
MW-100B	1/22/2020	99.68	33.40	66.28
MW-100B	9/14/2020	99.68	33.59	66.09
MW-101B	1/21/2020	101.78	34.76	67.02
MW-102B	1/22/2020	100.48	33.88	66.60
MW-102B	9/14/2020	100.48	34.05	66.43
MW-103B	1/22/2020	99.79	35.22	64.57
MW-104B	1/22/2020	102.16	35.02	67.14
MW-108B	1/21/2020	100.51	32.77	67.74
MW-109B	1/21/2020	100.78	35.18	65.60
MW-109B	6/1/2020	100.78	35.14	65.64
MW-109B	9/14/2020	100.78	35.34	65.44
MW-109B	12/7/2020	100.78	35.37	65.41

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TABLE 3
GROUNDWATER ELEVATIONS - B-ZONE
Former El Campo Aluminum Facility
El Campo, Texas

Well	Measurement Date	TOC (ft AMSL)	DTW (ft)	Groundwater Elevation (ft AMSL)
MW-10B	1/21/2020	99.88	32.32	67.56
MW-110B	1/22/2020	101.29	34.99	66.30
MW-110B	9/14/2020	101.29	35.13	66.16
MW-111B	1/21/2020	101.16	35.92	65.24
MW-111B	6/9/2020	101.16	35.86	65.30
MW-111B	9/14/2020	101.16	36.09	65.07
MW-111B	12/7/2020	101.16	36.10	65.06
MW-112B	1/21/2020	96.78	32.67	64.11
MW-112B	6/1/2020	96.78	32.63	64.15
MW-112B	9/14/2020	96.78	32.71	64.07
MW-112B	12/7/2020	96.78	32.72	64.06
MW-112B2	1/21/2020	96.52	32.28	64.24
MW-112B2	6/1/2020	96.52	32.30	64.22
MW-112B2	9/14/2020	96.52	32.42	64.10
MW-112B2	12/7/2020	96.52	32.43	64.09
MW-113B	1/22/2020	101.96	35.37	66.59
MW-113B	6/1/2020	101.96	35.30	66.66
MW-113B	9/14/2020	101.96	35.48	66.48
MW-113B	12/7/2020	101.96	35.52	66.44
MW-114B	1/21/2020	100.96	35.95	65.01
MW-114B	6/1/2020	100.96	35.93	65.03
MW-114B	9/14/2020	100.96	36.11	64.85
MW-114B	12/7/2020	100.96	36.08	64.88
MW-115B-R	9/14/2020	100.44	35.51	64.93
MW-115B-R	12/7/2020	100.44	35.40	65.04
MW-116B	1/21/2020	99.40	31.68	67.72
MW-117B	1/21/2020	102.69	35.59	67.10
MW-118B	1/21/2020	95.47	32.82	62.65
MW-119B	1/21/2020	95.02	32.51	62.51
MW-120B	1/22/2020	100.61	33.89	66.72
MW-121B	1/22/2020	100.15	34.02	66.13
MW-123B	1/22/2020	98.98	33.58	65.40
MW-124B	1/21/2020	97.36	33.15	64.21
MW-124B	6/1/2020	97.36	33.04	64.32
MW-124B	9/14/2020	97.36	33.25	64.11
MW-124B	12/7/2020	97.36	33.21	64.15
MW-125B	1/22/2020	101.53	35.53	66.00
MW-125B	6/1/2020	101.53	35.51	66.02
MW-125B	9/14/2020	101.53	35.71	65.82
MW-125B	12/7/2020	101.53	35.74	65.79
MW-126B	1/21/2020	100.71	35.65	65.06

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TABLE 3
GROUNDWATER ELEVATIONS - B-ZONE
Former El Campo Aluminum Facility
El Campo, Texas

Well	Measurement Date	TOC (ft AMSL)	DTW (ft)	Groundwater Elevation (ft AMSL)
MW-126B	6/1/2020	100.71	35.65	65.06
MW-126B	9/14/2020	100.71	35.87	64.84
MW-126B	12/7/2020	100.71	35.78	64.93
MW-127B	1/21/2020	99.31	34.91	64.40
MW-127B	6/1/2020	99.31	34.78	64.53
MW-127B	9/14/2020	99.31	34.94	64.37
MW-127B	12/7/2020	99.31	34.96	64.35
MW-128B	1/21/2020	96.30	32.30	64.00
MW-128B	6/1/2020	96.30	32.18	64.12
MW-128B	9/14/2020	96.30	32.38	63.92
MW-128B	12/7/2020	96.30	32.34	63.96
MW-12B	1/21/2020	99.75	32.64	67.11
MW-131B	6/1/2020	99.04	35.78	63.26
MW-131B	9/14/2020	99.04	35.97	63.07
MW-131B	12/7/2020	99.04	35.92	63.12
MW-132B	6/1/2020	100.23	37.51	62.72
MW-132B	9/14/2020	100.23	37.77	62.46
MW-132B	12/7/2020	100.23	37.64	62.59
MW-133B	6/1/2020	97.45	34.91	62.54
MW-133B	9/17/2020	97.45	35.23	62.22
MW-133B	12/7/2020	97.45	35.08	62.37
MW-134B	1/21/2020	100.88	38.23	62.65
MW-134B	6/1/2020	100.88	38.20	62.68
MW-134B	9/14/2020	100.88	38.56	62.32
MW-134B	12/7/2020	100.88	38.37	62.51
MW-135B	1/26/2020	102.66	40.85	61.81
MW-135B	6/1/2020	102.66	41.25	61.41
MW-135B	9/14/2020	102.66	41.75	60.91
MW-135B	12/7/2020	102.66	41.42	61.24
MW-136B	6/1/2020	101.06	42.00	59.06
MW-136B	9/14/2020	101.06	42.73	58.33
MW-136B	12/7/2020	101.06	42.01	59.05
MW-137B	1/26/2020	99.15	37.06	62.09
MW-137B	6/1/2020	99.15	37.34	61.81
MW-137B	9/14/2020	99.15	37.74	61.41
MW-137B	12/7/2020	99.15	37.51	61.64
MW-138B	1/21/2020	99.07	39.48	59.59
MW-139B	1/21/2020	96.58	37.46	59.12
MW-140B	1/26/2020	100.17	38.46	61.71
MW-140B	6/1/2020	100.17	38.86	61.31
MW-140B	9/14/2020	100.17	39.32	60.85

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TABLE 3
GROUNDWATER ELEVATIONS - B-ZONE
Former El Campo Aluminum Facility
El Campo, Texas

Well	Measurement Date	TOC (ft AMSL)	DTW (ft)	Groundwater Elevation (ft AMSL)
MW-140B	12/7/2020	100.17	39.02	61.15
MW-141B	1/21/2020	103.80	38.13	65.67
MW-141B	6/1/2020	103.80	38.21	65.59
MW-141B	9/14/2020	103.80	38.36	65.44
MW-141B	12/7/2020	103.80	38.37	65.43
MW-142B	1/21/2020	104.64	39.23	65.41
MW-142B	6/1/2020	104.64	39.18	65.46
MW-142B	9/14/2020	104.64	39.42	65.22
MW-142B	12/7/2020	104.64	39.39	65.25
MW-143B	1/21/2020	104.29	38.92	65.37
MW-143B	6/1/2020	104.29	38.90	65.39
MW-143B	9/14/2020	104.29	39.12	65.17
MW-143B	12/7/2020	104.29	39.10	65.19
MW-146B	1/21/2020	103.63	38.67	64.96
MW-146B	6/1/2020	103.63	38.62	65.01
MW-146B	9/14/2020	103.63	38.85	64.78
MW-146B	12/7/2020	103.63	38.83	64.80
MW-147B	1/21/2020	103.00	38.22	64.78
MW-147B	6/1/2020	103.00	38.17	64.83
MW-147B	9/14/2020	103.00	38.38	64.62
MW-147B	12/7/2020	103.00	38.37	64.63
MW-14B	1/21/2020	100.18	32.83	67.35
MW-17B	1/21/2020	99.01	31.90	67.11
MW-17B	9/14/2020	99.01	32.13	66.88
MW-19B	1/21/2020	102.95	35.37	67.58
MW-21B	1/21/2020	99.62	32.48	67.14
MW-21B	6/1/2020	99.62	32.42	67.20
MW-21B	9/18/2020	99.62	32.67	66.95
MW-21B	12/7/2020	99.62	32.62	67.00
MW-24B	1/21/2020	98.91	31.80	67.11
MW-25B	1/21/2020	100.27	32.84	67.43
MW-4B	1/21/2020	102.31	34.67	67.64
MW-5B	1/21/2020	103.93	36.44	67.49
MW-6B	1/21/2020	101.87	34.37	67.50
MW-6B	9/14/2020	101.87	34.56	67.31
MW-7B	1/21/2020	99.07	31.46	67.61
MW-7B	9/15/2020	99.07	31.64	67.43

Notes:
1. TOC = top of casing; ft AMSL = feet above mean sea level; DTW = depth to water (ft below TOC)
2. Zone B wells gauged quarterly

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TABLE 4
GROUNDWATER ELEVATIONS - C-ZONE
Former El Campo Aluminum Facility
El Campo, Texas

Well	Measurement Date	TOC (ft AMSL)	DTW (ft)	Groundwater Elevation (ft AMSL)
MW-5C	01/21/20	100.60	49.36	51.24
MW-6C	01/21/20	101.74	50.44	51.30
MW-7C	01/21/20	99.28	47.98	51.30
MW-11C	01/21/20	102.54	50.27	52.27
MW-17C	01/21/20	98.85	47.71	51.14
MW-22C	01/21/20	102.18	51.15	51.03
MW-23C	01/21/20	102.93	51.93	51.00
MW-130C	01/21/20	99.65	49.07	50.58

Notes:
1. TOC = top of casing; ft AMSL = feet above mean sea level; DTW = depth to water (ft below TOC)
2. Zone C wells gauged in January 2020.

TABLE 5
GROUNDWATER ANALYTICAL RESULTS - A-ZONE
DETECTED VOLATILE ORGANIC COMPOUNDS
Former El Campo Aluminum Facility
El Campo, Texas

Zone	Location ID	Sample Date	Sample Type	Bromomethane (µg/L)		Chloromethane (µg/L)		cis-1,2-Dichloroethene (µg/L)		Trichloroethene (µg/L)		Other VOCs (µg/L)
				Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	
		TRRP $^{GW}GW_{Ing}$ PCL		34		70		70		5		
Zone A	VFW-MW-1	2/26/2020	N	0.25	U	**0.569**	**J**	**0.21**	**J**	0.138	U	
	MW-2A	2/6/2020	N	0.25	U	0.209	U	0.157	U	0.138	U	
	MW-4A	1/23/2020	N	0.25	U	0.209	U	0.157	U	0.138	U	
	MW-6A	1/30/2020	N	0.25	U	0.209	U	0.157	U	0.138	U	
	MW-7A	1/24/2020	N	0.25	U	0.209	U	0.157	U	0.348	J	
	MW-8A	1/30/2020	N	0.25	U	0.209	U	0.157	U	0.138	U	
	MW-9A	2/18/2020	N	**0.342**	**J**	0.209	U	0.157	U	**2.04**		
	MW-10A	1/23/2020	N	0.25	U	0.209	U	0.157	U	0.138	U	
	MW-12A	1/24/2020	N	0.25	U	0.209	U	0.157	U	0.138	U	
	MW-13A	1/30/2020	N	0.25	U	0.209	U	0.157	U	0.138	U	ND[8]
	MW-14A	2/5/2020	N	0.25	U	0.209	U	0.157	U	0.138	U	
	MW-18A	3/19/2020	N	0.25	U	0.209	U	0.157	U	0.138	UJ	
	MW-19A	1/23/2020	N	0.25	U	0.209	U	0.157	U	0.138	U	
	MW-21A	2/6/2020	N	0.25	U	0.209	U	0.157	U	0.657	J	
	MW-22A	1/31/2020	N	0.25	U	0.209	U	0.157	U	0.138	U	
	MW-23A	2/4/2020	N	0.25	U	0.209	U	0.157	U	0.138	U	
	MW-25A	1/29/2020	N	0.25	U	0.209	U	0.157	U	0.138	U	
	MW-109A	1/23/2020	N	0.25	U	0.209	U	0.157	U	0.138	U	
	MW-111A	1/29/2020	N	0.25	U	0.209	U	0.157	U	0.138	U	

Notes:

1. µg/L = micrograms per liter; VOCs = volatile organic compounds; N = normal sample (not a duplicate); conc. = measured concentration; qual. = data qualifier
2. J = estimated; U = result below detection limit; ND = result below detection limit
3. PCL = protective concentration level
4. Samples collected by Wood Environment & Infrastructure Solutions, Inc. in January, February, and March 2020.
5. Analytical results for VOCs not listed on this table were non-detect and are included in Appendix B.
6. Groundwater PCLs ($^{GW}GW_{Ing}$) are from Texas Commission on Environmental Quality Texas Risk Reduction Program PCL Tables, updated January 6 2021
   Accessed from: https://www.tceq.texas.gov/remediation/trrp/trrppcls.html
7. Results in bold incate detections, shaded bold results indicate an exceedance of the PCL.
8. Detection limits for other VOCs are presented in the analytical laboratory reports (Appendix B).

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TABLE 6
GROUNDWATER ANALYTICAL RESULTS - B-ZONE
DETECTED VOLATILE ORGANIC COMPOUNDS
Former El Campo Aluminum Facility
El Campo, Texas

Zone	Location ID	Sample Date	Sample Type	1,1,1,2-Tetrachloroethane (µg/L)		1,1,2-Trichloroethane (µg/L)		1,1-Dichloroethane (µg/L)		1,1-Dichloroethene (µg/L)		1,2-Dichloroethane (µg/L)		1,2-Dichloropropane (µg/L)		Bromomethane (µg/L)		Chlorobenzene (µg/L)		Chloroethane (µg/L)	
				Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
TRRP $^{GW}GW_{Ing}$ PCL				35		5		4900		7		5		5		34		100		9800	
Zone B	IG1-MW-1	2/25/2020	N	0.178	U	0.209	U	**0.904**	**J**	**13.1**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/8/2020	N	0.178	U	0.209	U	**0.923**	**J**	**13.1**		**0.353**	**J**	0.136	U	0.25	U	0.185	U	0.24	U
		9/16/2020	N	0.178	U	0.209	U	**0.976**	**J**	**12.8**		**0.347**	**J**	0.136	U	0.25	U	0.185	U	0.24	U
		12/9/2020	N	0.327	U	0.228	U	**0.58**	**J**	**7.26**		0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	IG1-MW-2	2/25/2020	N	0.178	U	0.209	U	**0.332**	**J**	**5.8**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/2/2020	N	0.178	U	0.209	U	**0.3**	**J**	**5.31**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/17/2020	N	0.178	U	0.209	U	**0.268**	**J**	**4.69**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/8/2020	N	0.327	U	0.228	U	**0.3**	**J**	**5.53**		0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	IG1-MW-3	2/25/2020	N	0.178	U	0.209	U	**0.211**	**J**	**5.77**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/2/2020	N	0.178	U	0.209	U	**0.18**	**J**	**4.42**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/15/2020	N	0.178	U	0.209	U	**0.221**	**J**	**5.01**		**0.159**	**J**	0.136	U	0.25	U	0.185	U	0.24	U
		12/7/2020	N	0.327	U	0.228	U	0.244	U	**5.69**		0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	IG1-MW-4	2/19/2020	N	0.178	U	0.209	U	**0.404**	**J**	**11.1**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/9/2020	N	0.178	U	0.209	U	**0.424**	**J**	**11**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/15/2020	N	0.178	U	0.209	U	**0.456**	**J**	**11.5**		**0.221**	**J**	0.136	U	0.25	U	0.185	U	0.24	U
		12/11/2020	N	0.327	U	0.228	U	**0.41**	**J**	**9.83**		0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	IG1-MW-5	2/19/2020	N	0.178	U	0.209	U	**0.502**	**J**	**17.6**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/10/2020	N	0.178	U	0.209	U	**0.423**	**J**	**14.3**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/15/2020	N	0.178	U	0.209	U	**0.414**	**J**	**7.43**		**0.187**	**J**	0.136	U	0.25	U	0.185	U	0.24	U
		12/11/2020	N	0.327	U	0.228	U	**0.44**	**J**	**14.7**		0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	IG1-MW-6B1	2/26/2020	N	0.178	U	0.209	U	**0.172**	**J**	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/5/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/18/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/9/2020	N	0.327	U	0.228	U	0.244	U	0.216	U	0.285	U	0.396	U	1.05	U	**0.24**	**J**	0.433	U
	IG1-MW-6B2	2/26/2020	N	0.178	U	0.209	U	**0.33**	**J**	**4.52**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/5/2020	N	0.178	U	0.209	U	**0.235**	**J**	**2.62**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/18/2020	N	0.178	U	0.209	U	0.168	U	**1.82**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/9/2020	N	0.327	U	0.228	U	0.244	U	0.216	U	0.285	U	0.396	U	1.05	U	**0.17**	**J**	0.433	U
	IG1-MW-6B3	2/26/2020	N	0.178	U	0.209	U	**1.2**		**15.2**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/5/2020	N	0.178	U	0.209	U	**0.915**	**J**	**8.93**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/18/2020	N	0.178	U	0.209	U	**0.976**	**J**	**7.36**		**0.225**	**J**	0.136	U	0.25	U	0.185	U	0.24	U
		9/18/2020	Dup	0.178	U	0.209	U	**0.992**	**J**	**7.31**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/10/2020	N	0.327	U	0.228	U	**1.1**		**5.35**		0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	IG1-MW-7	2/19/2020	N	0.178	U	0.209	U	**0.288**	**J**	**7.59**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/10/2020	N	0.178	U	0.209	U	**0.341**	**J**	**9.01**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/14/2020	N	0.178	U	0.209	U	**0.273**	**J**	**7.33**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/17/2020	N	0.327	U	0.228	U	**0.35**	**J**	**8.42**		0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	IG1-RW-4	2/25/2020	N	0.178	U	0.209	U	**0.182**	**J**	**2.88**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/11/2020	N	0.178	U	0.209	U	0.168	U	**1.1**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/16/2020	N	0.178	U	0.209	U	0.168	U	**1.4**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/10/2020	N	0.327	U	0.228	U	0.244	U	**3.4**		0.285	U	0.396	U	1.05	U	0.159	U	0.433	U

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TABLE 6
GROUNDWATER ANALYTICAL RESULTS - B-ZONE
DETECTED VOLATILE ORGANIC COMPOUNDS
Former El Campo Aluminum Facility
El Campo, Texas

Zone	Location ID	Sample Date	Sample Type	Chloroform (µg/L)		Chloromethane (µg/L)		cis-1,2-Dichloroethene (µg/L)		Dibromo-chloromethane (µg/L)		Naphthalene (µg/L)		Toluene (µg/L)		trans-1,2-Dichloroethene (µg/L)		Trichloroethene (µg/L)		Vinyl Chloride (µg/L)		Other VOCs (µg/L)
				Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	
		TRRP $^{GW}GW_{ing}$ PCL		80		70		70		80		490		1000		100		5		2		
Zone B	IG1-MW-1	2/25/2020	N	0.151	U	0.209	U	**123**		0.119	U	0.129	U	0.198	U	**0.574**	J	**41.2**		**4.14**		
		6/8/2020	N	**0.192**	J	0.209	U	**82.8**		0.119	U	0.129	U	0.198	U	**0.778**	J	**90.5**	J	1.93	J	
		9/16/2020	N	**0.18**	J	0.209	U	**76.4**		0.119	U	0.129	U	0.198	U	**0.937**	J	**77.2**		**3.61**		
		12/9/2020	N	0.259	U	0.318	U	**74.3**		0.739	U	2	U	0.5	U	**0.4**	J	**14.7**		**4.01**		
	IG1-MW-2	2/25/2020	N	0.151	U	**0.285**	J	**72.4**		0.119	U	0.129	U	0.198	U	**1.04**		**4.62**		**41.7**		
		6/2/2020	N	0.151	U	0.209	U	**59.9**		0.119	U	0.129	U	0.198	U	**1.03**		**15.5**		**24.5**		
		9/17/2020	N	0.151	U	0.209	U	**49.3**		0.119	U	0.129	U	0.198	U	**1.01**		**5.11**		**46.6**		
		12/8/2020	N	0.259	U	**0.78**	J	**54.7**		0.739	U	2	U	0.5	U	**1.16**		**16.8**		**41**		
	IG1-MW-3	2/25/2020	N	0.151	U	**0.308**	J	**88.5**		0.119	U	0.129	U	0.198	U	**0.52**	J	0.138	U	**8.11**		
		6/2/2020	N	0.151	U	0.209	U	**69**		0.119	U	0.129	U	0.198	U	**0.507**	J	0.138	U	**5.05**		
		9/15/2020	N	0.151	U	0.209	U	**78.8**		0.119	U	0.129	U	0.198	U	**0.582**	J	0.138	U	**6.43**		
		12/7/2020	N	0.259	U	0.318	U	**82.5**		0.739	U	2	U	0.5	U	**0.43**	J	0.424	U	**6.84**		
	IG1-MW-4	2/19/2020	N	0.151	U	0.209	U	**128**		0.119	U	0.129	U	0.198	U	**11.7**		**23.5**		**36.4**		
		6/9/2020	N	0.151	U	0.209	U	**148**		0.119	U	**0.464**	JH	0.198	U	**13.6**		**35.5**	J	**22.7**		
		9/15/2020	N	0.151	U	0.209	U	**129**		0.119	U	0.129	U	0.198	U	**16.1**		**21.6**		**48.9**		
		12/11/2020	N	0.259	U	0.318	U	**118**		0.739	U	2	U	0.5	U	**14.8**		**15.4**		**51.5**		
	IG1-MW-5	2/19/2020	N	0.151	U	**0.304**	J	**53.9**		0.119	U	0.129	U	0.198	U	0.192	U	**242**		**6.35**		
		6/10/2020	N	0.151	U	0.209	U	**58.5**		0.119	U	0.129	U	0.198	U	0.192	U	**256**		**6.11**		
		9/15/2020	N	0.151	U	0.209	U	**58.7**		0.119	U	0.129	U	0.198	U	0.192	U	**45.7**		**86.8**		
		12/11/2020	N	0.259	U	0.318	U	**62.2**		0.739	U	2	U	0.5	U	0.256	U	**162**	D	**8.54**		
	IG1-MW-6B1	2/26/2020	N	0.151	U	0.209	U	**1.16**		0.119	U	0.129	U	**0.457**	J	**1.01**		**0.296**	J	**229**		ND[8]
		6/5/2020	N	0.151	U	0.209	U	**1.59**		0.119	U	0.129	U	**0.396**	J	**0.735**	J	0.138	U	**128**		
		9/18/2020	N	0.151	U	0.209	U	**0.471**	J	0.119	U	0.129	U	**0.557**	J	**0.333**	J	0.138	U	**127**		
		12/9/2020	N	0.259	U	0.318	U	**0.5**	J	0.739	U	2	U	**0.67**	J	**0.43**	J	0.424	U	**130**		
	IG1-MW-6B2	2/26/2020	N	0.151	U	0.209	U	**132**		0.119	U	0.129	U	**0.237**	J	**1.38**		**2.02**		**176**		
		6/5/2020	N	0.151	U	0.209	U	**88.1**		0.119	U	0.129	U	**0.303**	J	**1.11**		**0.31**	J	**123**		
		9/18/2020	N	0.151	U	0.209	U	**66.1**		0.119	U	0.129	U	**0.313**	J	**1.14**		0.138	U	**207**		
		12/9/2020	N	0.259	U	0.318	U	**21.8**		0.739	U	2	U	**0.63**	J	**0.71**	J	0.424	U	**152**	D	
	IG1-MW-6B3	2/26/2020	N	0.151	U	0.209	U	**296**		0.119	U	0.129	U	**0.421**	J	**1.52**		**38.2**		**115**		
		6/5/2020	N	0.151	U	0.209	U	**234**		0.119	U	0.129	U	**0.375**	J	**1.45**		**18.4**		**110**		
		9/18/2020	N	0.151	U	0.209	U	**159**		0.119	U	0.129	U	**0.27**	J	**0.949**	J	**10.5**		**225**		
		9/18/2020	Dup	0.151	U	0.209	U	**171**		0.119	U	0.129	U	**0.273**	J	**1.11**		**10.7**		**248**		
		12/10/2020	N	0.259	U	0.318	U	**114**		0.739	U	2	U	0.5	U	**0.95**	J	**10.3**		**187**	D	
	IG1-MW-7	2/19/2020	N	0.151	U	0.209	U	**244**		0.119	U	0.129	U	0.198	U	**0.768**	J	**156**		**0.377**	J	
		6/10/2020	N	0.151	U	0.209	U	**224**		0.119	U	0.129	U	0.198	U	**1.3**		**252**		**1.2**	J	
		9/14/2020	N	0.151	U	0.209	U	**225**		0.119	U	0.129	U	0.198	U	**0.821**	J	**192**		**4.81**		
		12/17/2020	N	0.259	U	0.318	U	**174**	JL	0.739	U	2	U	0.5	U	**0.73**	J	**294**	JL	**5.3**		
	IG1-RW-4	2/25/2020	N	**0.167**	J	**0.451**	J	**0.819**	J	0.119	U	0.129	U	0.198	U	0.192	U	**112**		0.248	U	
		6/11/2020	N	**0.189**	J	0.209	U	**0.976**	J	0.119	U	0.129	U	0.198	U	0.192	U	**125**		0.248	U	
		9/16/2020	N	0.151	U	0.209	U	**0.499**	J	0.119	U	0.129	U	0.198	U	0.192	U	**96.1**		0.248	U	
		12/10/2020	N	0.259	U	0.318	U	**0.76**	J	0.739	U	2	U	0.5	U	0.256	U	**111**		0.234	U	

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TABLE 6
GROUNDWATER ANALYTICAL RESULTS - B-ZONE
DETECTED VOLATILE ORGANIC COMPOUNDS
Former El Campo Aluminum Facility
El Campo, Texas

Zone	Location ID	Sample Date	Sample Type	1,1,1,2-Tetrachloroethane (µg/L)		1,1,2-Trichloroethane (µg/L)		1,1-Dichloroethane (µg/L)		1,1-Dichloroethene (µg/L)		1,2-Dichloroethane (µg/L)		1,2-Dichloropropane (µg/L)		Bromomethane (µg/L)		Chlorobenzene (µg/L)		Chloroethane (µg/L)	
				Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
		TRRP $^{GW}GW_{Ing}$ PCL		35		5		4900		7		5		5		34		100		9800	
Zone B	IG2-MW-1	2/7/2020	N	0.178	U	0.209	U	**1.63**		**1.69**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/8/2020	N	0.178	U	0.209	U	**1.56**		**2.09**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/17/2020	N	0.178	U	0.209	U	**1.8**		**2.26**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/9/2020	N	0.327	U	0.228	U	**1.49**		**1.88**		0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	IG2-MW-2	2/7/2020	N	0.178	U	0.209	U	**1.71**		**3.44**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/5/2020	N	0.178	U	0.209	U	**1.54**		**4.16**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/17/2020	N	0.178	U	0.209	U	**2.05**		**5.03**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/8/2020	N	0.327	U	0.228	U	**1.69**		**4.46**		0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	IG2-MW-3	3/18/2020	N	0.178	U	**1.17**		**14.5**		**27.1**		**0.344**	**J**	0.136	U	0.25	U	0.185	U	0.24	U
		6/12/2020	N	**0.288**	**J**	**1.27**		**13.8**		**32**		**0.423**	**J**	0.136	U	0.25	U	0.185	U	0.24	U
		9/17/2020	N	0.178	U	**1**		**16**		**27.5**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/10/2020	N	0.327	U	**1.1**		**15.9**		**27.6**		**0.31**	**J**	0.396	U	1.05	U	0.159	U	0.433	U
	IG2-MW-4	3/18/2020	N	0.178	U	**0.363**	**J**	**3.6**		**12.7**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		3/18/2020	Dup	0.178	U	**0.309**	**J**	**3.4**		**10.2**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/18/2020	N	0.178	U	0.209	U	**3.72**		**10.2**		**0.184**	**J**	0.136	U	0.25	U	0.185	U	0.24	U
		12/9/2020	N	0.327	U	**0.32**	**J**	**3.9**		**12.3**		0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	IG3-MW-1	3/5/2020	N	0.178	U	**0.49**	**J**	**0.728**	**J**	**2.74**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/10/2020	N	0.178	U	0.209	U	**0.577**	**J**	**2.01**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/18/2020	N	0.178	U	0.209	U	**0.577**	**J**	**2.19**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/17/2020	N	0.327	U	**0.34**	**J**	**0.66**	**J**	**2.12**		0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	IG4-MW-1	2/6/2020	N	0.178	U	0.209	U	**0.226**	**J**	**3.34**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/11/2020	N	0.178	U	0.209	U	**0.429**	**J**	**4.74**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/11/2020	Dup	0.178	U	0.209	U	**0.502**	**J**	**5.55**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/16/2020	N	0.178	U	0.209	U	**0.381**	**J**	**3.43**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/11/2020	N	0.327	U	0.228	U	**0.54**	**J**	**6.34**		0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
		12/11/2020	Dup	0.327	U	0.228	U	**0.57**	**J**	**6.21**		0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	IG4-MW-2	2/18/2020	N	0.178	U	0.209	U	**0.203**	**J**	**7.92**		0.116	U	0.136	U	**0.304**	**J**	0.185	U	0.24	U
		6/11/2020	N	0.178	U	0.209	U	0.168	U	**5.19**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/15/2020	N	0.178	U	0.209	U	0.168	U	**3.32**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/17/2020	N	0.327	U	0.228	U	0.244	U	**3**		0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	IG4-MW-3	2/18/2020	N	0.178	U	0.209	U	**0.571**	**J**	**19.7**		0.116	U	0.136	U	**0.428**	**J**	0.185	U	0.24	U
		6/11/2020	N	0.178	U	0.209	U	**0.548**	**J**	**17.8**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/15/2020	N	0.178	U	0.209	U	**0.506**	**J**	**17**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/17/2020	N	0.327	U	0.228	U	**0.42**	**J**	**11.5**		0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	IG4-RW-1 Influent	1/15/2020	N	0.178	U	0.209	U	**0.265**	**J**	**7.79**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		3/2/2020	N	0.178	U	0.209	U	0.168	U	**3.22**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		3/26/2020	N	0.178	U	0.209	U	**0.189**	**J**	**6.45**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		4/16/2020	N	0.178	U	0.209	U	**0.233**	**J**	**7.88**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		8/20/2020	N	0.178	U	0.209	U	0.168	U	**1.56**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/15/2020	N	0.178	U	0.209	U	0.168	U	**1.58**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U

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TABLE 6
GROUNDWATER ANALYTICAL RESULTS - B-ZONE
DETECTED VOLATILE ORGANIC COMPOUNDS
Former El Campo Aluminum Facility
El Campo, Texas

Zone	Location ID	Sample Date	Sample Type	Chloroform (µg/L)		Chloromethane (µg/L)		cis-1,2-Dichloroethene (µg/L)		Dibromo-chloromethane (µg/L)		Naphthalene (µg/L)		Toluene (µg/L)		trans-1,2-Dichloroethene (µg/L)		Trichloroethene (µg/L)		Vinyl Chloride (µg/L)		Other VOCs (µg/L)
				Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	
		TRRP $^{GW}GW_{ing}$ PCL		80		70		70		80		490		1000		100		5		2		
Zone B	IG2-MW-1	2/7/2020	N	0.151	U	0.209	U	**4.77**		0.119	U	0.129	U	0.198	U	0.192	U	**17.8**		0.248	U	ND[8]
		6/8/2020	N	**0.419**	**J**	0.209	U	**4.81**		0.119	U	0.129	U	0.198	U	0.192	U	**24.5**	**J**	0.248	U	
		9/17/2020	N	**0.521**	**J**	0.209	U	**5.68**		0.119	U	0.129	U	0.198	U	0.192	U	**21.8**		0.248	U	
		12/9/2020	N	**0.46**	**J**	0.318	U	**5.13**		0.739	U	2	U	0.5	U	0.256	U	**22**		0.234	U	
	IG2-MW-2	2/7/2020	N	0.151	U	0.209	U	**14.9**		0.119	U	0.129	U	0.198	U	0.192	U	**6.66**		**3.97**		
		6/5/2020	N	0.151	U	0.209	U	**16.7**		0.119	U	0.129	U	0.198	U	0.192	U	**8.22**		**3.06**		
		9/17/2020	N	0.151	U	0.209	U	**18.7**		0.119	U	0.129	U	0.198	U	0.192	U	**9.64**		**5.32**		
		12/8/2020	N	0.259	U	**0.5**	**J**	**16.4**		0.739	U	2	U	0.5	U	0.256	U	**8.61**		**4.67**		
	IG2-MW-3	3/18/2020	N	**0.864**	**J**	0.209	U	**41.7**		0.119	U	0.129	U	0.198	U	0.192	U	**141**		0.248	U	
		6/12/2020	N	**0.95**	**J**	0.209	U	**45.4**		0.119	U	0.129	U	0.198	U	0.192	U	**171**		0.248	U	
		9/17/2020	N	**1.04**		0.209	U	**40.3**		0.119	U	0.129	U	0.198	U	0.192	U	**109**		0.248	U	
		12/10/2020	N	**0.9**	**J**	0.318	U	**41.3**		0.739	U	2	U	0.5	U	0.256	U	**130**		0.234	U	
	IG2-MW-4	3/18/2020	N	**0.528**	**J**	0.209	U	**8.67**		0.119	U	0.129	U	0.198	U	0.192	U	**48.6**	**JL**	0.248	U	
		3/18/2020	Dup	**0.54**	**J**	0.209	U	**9.42**		0.119	U	0.129	U	0.198	U	0.192	U	**44.4**	**JL**	0.248	U	
		9/18/2020	N	**0.505**	**J**	0.209	U	**9.17**		0.119	U	0.129	U	0.198	U	0.192	U	**34.7**		0.248	U	
		12/9/2020	N	**0.48**	**J**	0.318	U	**9.38**		0.739	U	2	U	0.5	U	0.256	U	**45.6**		0.234	U	
	IG3-MW-1	3/5/2020	N	**0.556**	**J**	0.209	U	**17.5**		0.119	U	0.129	U	0.198	U	**0.713**	**J**	**292**		0.248	U	
		6/10/2020	N	**0.504**	**J**	0.209	U	**13.6**		0.119	U	0.129	U	0.198	U	**0.824**	**J**	**339**		0.248	U	
		9/18/2020	N	**0.431**	**J**	0.209	U	**14**		0.119	U	0.129	U	0.198	U	**0.595**	**J**	**263**		0.248	U	
		12/17/2020	N	**0.5**	**J**	0.318	U	**14.4**		0.739	U	2	U	0.5	U	**0.6**	**J**	**243**	**JL**	0.234	U	
	IG4-MW-1	2/6/2020	N	**0.38**	**J**	0.209	U	**38.1**		0.119	U	0.129	U	0.198	U	**0.695**	**J**	**577**		**1.46**	**J**	
		6/11/2020	N	**0.448**	**J**	0.209	U	**45.3**		0.119	U	0.129	U	0.198	U	**0.712**	**J**	**713**	**J**	**0.259**	**J**	
		6/11/2020	Dup	**0.471**	**J**	0.209	U	**48.8**		0.119	U	0.129	U	0.198	U	**0.8**	**J**	**697**		**0.312**	**J**	
		9/16/2020	N	**0.314**	**J**	0.209	U	**61.6**		0.119	U	0.129	U	0.198	U	**0.835**	**J**	**416**	**JH**	**8.31**		
		12/11/2020	N	**0.41**	**J**	0.318	U	**66.7**		0.739	U	2	U	0.5	U	**0.76**	**J**	**821**	**D**	**1.4**	**J**	
		12/11/2020	Dup	**0.42**	**J**	0.318	U	**66.2**		0.739	U	2	U	0.5	U	**0.75**	**J**	**617**	**D**	**1.35**	**J**	
	IG4-MW-2	2/18/2020	N	0.151	U	**0.446**	**J**	**262**		0.119	U	0.129	U	0.198	U	**0.586**	**J**	**196**		**18.2**		
		6/11/2020	N	0.151	U	0.209	U	**180**		0.119	U	0.129	U	0.198	U	**0.574**	**J**	**152**		**37.2**		
		9/15/2020	N	0.151	U	0.209	U	**123**		0.119	U	0.129	U	0.198	U	**0.387**	**J**	**172**		**48.9**		
		12/17/2020	N	0.259	U	0.318	U	**130**		0.739	U	2	U	0.5	U	**0.5**	**J**	**28.8**		**137**		
	IG4-MW-3	2/18/2020	N	**0.415**	**J**	**0.43**	**J**	**14.8**		0.119	U	0.129	U	0.198	U	0.192	U	**372**		**1.32**	**J**	
		6/11/2020	N	**0.35**	**J**	0.209	U	**22.7**		0.119	U	0.129	U	0.198	U	0.192	U	**377**		**1.74**	**J**	
		9/15/2020	N	**0.3**	**J**	0.209	U	**25.5**		0.119	U	0.129	U	0.198	U	0.192	U	**331**		**11.2**		
		12/17/2020	N	0.259	U	0.318	U	**31.2**		0.739	U	2	U	0.5	U	0.256	U	**220**	**JL**	**43.3**		
	IG4-RW-1 Influent	1/15/2020	N	**0.257**	**J**	0.209	U	**20.6**		0.119	U	0.129	U	0.198	U	0.192	U	**296**		0.248	U	
		3/2/2020	N	0.151	U	0.209	U	**117**		0.119	U	0.129	U	0.198	U	0.192	U	**47**		**3.36**		
		3/26/2020	N	**0.213**	**J**	0.209	U	**21**		0.119	U	0.129	U	0.198	U	0.192	U	**266**		0.248	U	
		4/16/2020	N	**0.251**	**J**	0.209	U	**25.1**		0.119	U	0.129	U	0.198	U	0.192	U	**301**		0.248	U	
		8/20/2020	N	0.151	U	**0.667**	**J**	**6.08**		0.119	U	0.129	U	0.198	U	0.192	U	**105**		**147**		
		9/15/2020	N	**0.236**	**J**	0.209	U	**6.23**		**0.209**	**J**	0.129	U	0.198	U	0.192	U	**39.6**		**120**		

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TABLE 6
GROUNDWATER ANALYTICAL RESULTS - B-ZONE
DETECTED VOLATILE ORGANIC COMPOUNDS
Former El Campo Aluminum Facility
El Campo, Texas

Zone	Location ID	Sample Date	Sample Type	1,1,1,2-Tetrachloroethane (µg/L)		1,1,2-Trichloroethane (µg/L)		1,1-Dichloroethane (µg/L)		1,1-Dichloroethene (µg/L)		1,2-Dichloroethane (µg/L)		1,2-Dichloropropane (µg/L)		Bromomethane (µg/L)		Chlorobenzene (µg/L)		Chloroethane (µg/L)	
				Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
		TRRP $^{GW}GW_{Ing}$ PCL		35		5		4900		7		5		5		34		100		9800	
Zone B	IG4-RW-1 Influent	10/12/2020	N	0.178	U	0.209	U	**0.296**	**J**	**8.29**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/18/2020	N	0.327	U	0.228	U	**0.34**	**J**	**8.22**		0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-4B	1/23/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-5B	1/23/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-6B	3/25/2020	N	0.178	U	0.209	U	**0.354**	**J**	**0.503**	**J**	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-7B	9/15/2020	N	0.178	U	0.209	U	**0.554**	**J**	**0.83**	**J**	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-10B	1/23/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-12B	1/24/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-14B	2/5/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		2/5/2020	Dup	0.178	U	0.209	U	0.168	U	**0.621**	**J**	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-17B	3/25/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/18/2020	N	0.178	U	0.209	U	0.168	U	**0.496**	**J**	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-19B	1/23/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-21B	2/6/2020	N	0.178	U	0.209	U	**2.43**		**1.89**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/8/2020	N	0.178	U	0.209	U	**2.09**		**2.62**		**0.415**	**J**	0.136	U	0.25	U	0.185	U	0.24	U
		9/18/2020	N	0.178	U	0.209	U	**2.69**		**2.67**		**0.437**	**J**	0.136	U	0.25	U	0.185	U	0.24	U
		12/9/2020	N	0.327	U	0.228	U	**1.76**		**1.41**		0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-24B	2/6/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-25B	1/29/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-26B	3/9/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-100B	1/30/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/15/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-101B	1/29/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-102B	1/30/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/15/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-103B	1/30/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-104B	2/6/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-108B	1/28/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-109B	2/6/2020	N	0.178	U	0.209	U	**0.842**	**J**	**7.57**		0.116	U	**1.45**		0.25	U	0.185	U	0.24	U
		6/10/2020	N	0.178	U	**0.89**	**J**	**1.95**		**21.7**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/16/2020	N	0.178	U	**0.446**	**J**	**1.23**		**15.2**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/11/2020	N	0.327	U	**0.58**	**J**	**2.15**		**25.9**		0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-110B	1/29/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/15/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-111B	2/6/2020	N	0.178	U	0.209	U	0.168	U	**1.52**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/9/2020	N	0.178	U	0.209	U	0.168	U	**1.47**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/16/2020	N	0.178	U	0.209	U	0.168	U	**1.41**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/10/2020	N	0.327	U	0.228	U	0.244	U	**1.15**		0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-112B	1/29/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U

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TABLE 6
GROUNDWATER ANALYTICAL RESULTS - B-ZONE
DETECTED VOLATILE ORGANIC COMPOUNDS
Former El Campo Aluminum Facility
El Campo, Texas

Zone	Location ID	Sample Date	Sample Type	Chloroform (µg/L)		Chloromethane (µg/L)		cis-1,2-Dichloroethene (µg/L)		Dibromo-chloromethane (µg/L)		Naphthalene (µg/L)		Toluene (µg/L)		trans-1,2-Dichloroethene (µg/L)		Trichloroethene (µg/L)		Vinyl Chloride (µg/L)		Other VOCs (µg/L)
				Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	
		TRRP $^{GW}GW_{ing}$ PCL		80		70		70		80		490		1000		100		5		2		
Zone B	IG4-RW-1 Influent	10/12/2020	N	**0.227**	**J**	0.209	U	**31.8**		0.119	U	0.129	U	0.198	U	0.192	U	**213**		**13.3**		
		12/18/2020	N	0.259	U	0.318	U	**24**		0.739	U	2	U	0.5	U	0.256	U	**219**	**JL**	**54.5**		
	MW-4B	1/23/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
	MW-5B	1/23/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**0.59**	**J**	0.248	U	
	MW-6B	3/25/2020	N	**0.234**	**J**	0.209	U	**1.63**		0.119	U	0.129	U	0.198	U	0.192	U	**4.57**		0.248	U	
	MW-7B	9/15/2020	N	**0.313**	**J**	0.209	U	**1.42**		0.119	U	0.129	U	0.198	U	0.192	U	**7.51**		0.248	U	
	MW-10B	1/23/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
	MW-12B	1/24/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**0.296**	**J**	0.248	U	
	MW-14B	2/5/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**14.3**		0.248	U	
		2/5/2020	Dup	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**16.1**		0.248	U	
	MW-17B	3/25/2020	N	0.151	U	0.209	U	**0.353**	**J**	0.119	U	0.129	U	0.198	U	0.192	U	**3.34**		0.248	U	
		9/18/2020	N	**0.156**	**J**	0.209	U	**3.36**		0.119	U	0.129	U	0.198	U	0.192	U	**21.2**		0.248	U	
	MW-19B	1/23/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
	MW-21B	2/6/2020	N	0.151	U	0.209	U	**33.7**		0.119	U	0.129	U	0.198	U	0.192	U	**35.6**		0.248	U	
		6/8/2020	N	0.151	U	0.209	U	**38.6**		0.119	U	**0.847**	**JH**	0.198	U	0.192	U	**39.4**	**J**	0.248	U	
		9/18/2020	N	**0.158**	**J**	0.209	U	**37.9**		0.119	U	0.129	U	0.198	U	0.192	U	**36.1**		0.248	U	
		12/9/2020	N	0.259	U	0.318	U	**25.9**		0.739	U	2	U	0.5	U	0.256	U	**29.6**		0.234	U	
	MW-24B	2/6/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
	MW-25B	1/29/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
	MW-26B	3/9/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	ND[8]
	MW-100B	1/30/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		9/15/2020	N	0.151	U	0.209	U	**1.02**		0.119	U	0.129	U	0.198	U	0.192	U	**3.44**		0.248	U	
	MW-101B	1/29/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
	MW-102B	1/30/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	**0.271**	**J**	0.192	U	**0.28**	**J**	0.248	U	
		9/15/2020	N	**0.312**	**J**	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**6.59**		0.248	U	
	MW-103B	1/30/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
	MW-104B	2/6/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
	MW-108B	1/28/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**0.373**	**J**	0.248	U	
	MW-109B	2/6/2020	N	**0.408**	**J**	0.209	U	**89.8**		0.119	U	0.129	U	0.198	U	**1.13**		**451**		0.248	U	
		6/10/2020	N	**0.845**	**J**	0.209	U	**14.7**		0.119	U	0.129	U	0.198	U	**1.14**		**1010**		0.248	U	
		9/16/2020	N	**0.615**	**J**	0.209	U	**13.4**		0.119	U	0.129	U	0.198	U	**1.27**		**1100**		0.248	U	
		12/11/2020	N	**0.87**	**J**	0.318	U	**16.5**		0.739	U	2	U	0.5	U	**1.19**		**988**	**D**	0.234	U	
	MW-110B	1/29/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**1.53**		0.248	U	
		9/15/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**3.87**		0.248	U	
	MW-111B	2/6/2020	N	**0.165**	**J**	0.209	U	**0.557**	**J**	0.119	U	0.129	U	0.198	U	0.192	U	**74.3**		0.248	U	
		6/9/2020	N	**0.165**	**J**	0.209	U	**0.709**	**J**	0.119	U	0.129	U	0.198	U	0.192	U	**97.5**		0.248	U	
		9/16/2020	N	**0.155**	**J**	0.209	U	**0.242**	**J**	0.119	U	0.129	U	0.198	U	0.192	U	**73.4**		0.248	U	
		12/10/2020	N	0.259	U	0.318	U	**0.54**	**J**	0.739	U	2	U	0.5	U	0.256	U	**85.2**		0.234	U	
	MW-112B	1/29/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	

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TABLE 6
GROUNDWATER ANALYTICAL RESULTS - B-ZONE
DETECTED VOLATILE ORGANIC COMPOUNDS
Former El Campo Aluminum Facility
El Campo, Texas

Zone	Location ID	Sample Date	Sample Type	1,1,1,2-Tetrachloroethane (µg/L)		1,1,2-Trichloroethane (µg/L)		1,1-Dichloroethane (µg/L)		1,1-Dichloroethene (µg/L)		1,2-Dichloroethane (µg/L)		1,2-Dichloropropane (µg/L)		Bromomethane (µg/L)		Chlorobenzene (µg/L)		Chloroethane (µg/L)	
				Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
		TRRP $^{GW}GW_{Ing}$ PCL		35		5		4900		7		5		5		34		100		9800	
Zone B	MW-112B	6/3/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/16/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/8/2020	N	0.327	U	0.228	U	0.244	U	0.216	U	0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-112B2	1/29/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/3/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/16/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/8/2020	N	0.327	U	0.228	U	0.244	U	0.216	U	0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-113B	3/9/2020	N	0.178	U	0.209	U	0.168	U	**1.3**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		3/9/2020	Dup	0.178	U	0.209	U	0.168	U	**1.33**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/9/2020	N	0.178	U	0.209	U	0.168	U	**1.37**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/18/2020	N	0.178	U	0.209	U	0.168	U	**0.999**	**J**	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/9/2020	N	0.327	U	0.228	U	0.244	U	**1.03**		0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-114B	1/23/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/9/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/16/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/16/2020	Dup	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/10/2020	N	0.327	U	0.228	U	0.244	U	0.216	U	0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-115B-R	9/15/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/7/2020	N	0.327	U	0.228	U	0.244	U	0.216	U	0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-116B	1/29/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-117B	1/28/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-118B	1/28/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-119B	1/28/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-120B	3/9/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		3/9/2020	Dup	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-121B	2/5/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		2/5/2020	Dup	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-123B	1/30/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-124B	2/4/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/4/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/18/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/8/2020	N	0.327	U	0.228	U	0.244	U	0.216	U	0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-125B	2/25/2020	N	0.178	U	0.209	U	0.168	U	**5.06**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/8/2020	N	0.178	U	0.209	U	0.168	U	**4.58**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/15/2020	N	0.178	U	0.209	U	0.168	U	**3.88**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/9/2020	N	0.327	U	0.228	U	0.244	U	**4**		0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-126B	2/19/2020	N	0.178	U	0.209	U	0.168	U	**0.511**	**J**	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/2/2020	N	0.178	U	0.209	U	0.168	U	**0.639**	**J**	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/2/2020	Dup	0.178	U	0.209	U	0.168	U	**0.563**	**J**	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/17/2020	N	0.178	U	0.209	U	0.168	U	**0.366**	**J**	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U

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TABLE 6
GROUNDWATER ANALYTICAL RESULTS - B-ZONE
DETECTED VOLATILE ORGANIC COMPOUNDS
Former El Campo Aluminum Facility
El Campo, Texas

Zone	Location ID	Sample Date	Sample Type	Chloroform (µg/L)		Chloromethane (µg/L)		cis-1,2-Dichloroethene (µg/L)		Dibromo-chloromethane (µg/L)		Naphthalene (µg/L)		Toluene (µg/L)		trans-1,2-Dichloroethene (µg/L)		Trichloroethene (µg/L)		Vinyl Chloride (µg/L)		Other VOCs (µg/L)
				Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	
		TRRP $^{GW}GW_{ing}$ PCL		80		70		70		80		490		1000		100		5		2		
Zone B	MW-112B	6/3/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	ND[8]
		9/16/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		12/8/2020	N	0.259	U	0.318	U	0.174	U	0.739	U	2	U	0.5	U	0.256	U	0.424	U	0.234	U	
	MW-112B2	1/29/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		6/3/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		9/16/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		12/8/2020	N	0.259	U	0.318	U	0.174	UJL	0.739	U	2	U	0.5	U	0.256	U	0.424	U	0.234	UJL	
	MW-113B	3/9/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**49.7**		0.248	U	
		3/9/2020	Dup	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**49.5**		0.248	U	
		6/9/2020	N	0.151	U	0.209	U	**0.31**	**J**	0.119	U	0.129	U	0.198	U	0.192	U	**44.5**	**J**	0.248	U	
		9/18/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**38.1**		0.248	U	
		12/9/2020	N	0.259	U	0.318	U	**0.25**	**J**	0.739	U	2	U	0.5	U	0.256	U	**41.9**		0.234	U	
	MW-114B	1/23/2020	N	0.151	U	0.209	U	**1.72**		0.119	U	0.129	U	0.198	U	0.192	U	**49**		0.248	U	
		6/9/2020	N	**0.237**	**J**	0.209	U	**2.3**		0.119	U	0.129	U	0.198	U	**0.25**	**J**	**109**		0.248	U	
		9/16/2020	N	**0.257**	**J**	0.209	U	**3.18**		0.119	U	0.129	U	0.198	U	**0.25**	**J**	**118**	**JL**	0.248	U	
		9/16/2020	Dup	**0.28**	**J**	0.209	U	**3.23**		0.119	U	0.129	U	0.198	U	**0.239**	**J**	**110**		0.248	U	
		12/10/2020	N	0.259	U	0.318	U	**3.76**		0.739	U	2	U	0.5	U	**0.26**	**J**	**143**		0.234	U	
	MW-115B-R	9/15/2020	N	0.151	U	0.209	U	**0.203**	**J**	0.119	U	0.129	U	**0.249**	**J**	0.192	U	**1.88**		0.248	U	
		12/7/2020	N	0.259	U	0.318	U	0.174	U	0.739	U	2	U	0.5	U	0.256	U	**1.5**	**J**	0.234	U	
	MW-116B	1/29/2020	N	**0.305**	**J**	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
	MW-117B	1/28/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**3.33**		0.248	U	
	MW-118B	1/28/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**0.455**	**J**	0.248	U	
	MW-119B	1/28/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**0.516**	**J**	0.248	U	
	MW-120B	3/9/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**0.953**	**J**	0.248	U	
		3/9/2020	Dup	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**0.885**	**J**	0.248	U	
	MW-121B	2/5/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**0.965**	**J**	0.248	U	
		2/5/2020	Dup	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**1.05**		0.248	U	
	MW-123B	1/30/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
	MW-124B	2/4/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		6/4/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		9/18/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		12/8/2020	N	0.259	U	0.318	U	0.174	U	0.739	U	2	U	0.5	U	0.256	U	0.424	U	0.234	U	
	MW-125B	2/25/2020	N	0.151	U	0.209	U	**17.4**		0.119	U	0.129	U	0.198	U	0.192	U	**77.9**		**0.921**	**J**	
		6/8/2020	N	0.151	U	0.209	U	**8.98**		0.119	U	0.129	U	0.198	U	0.192	U	**94.2**		**0.343**	**J**	
		9/15/2020	N	**0.152**	**J**	0.209	U	**7.99**		0.119	U	0.129	U	0.198	U	0.192	U	**65.3**		0.248	U	
		12/9/2020	N	0.259	U	0.318	U	**4.5**		0.739	U	2	U	0.5	U	0.256	U	**86**		0.234	U	
	MW-126B	2/19/2020	N	0.151	U	0.209	U	**118**		0.119	U	0.129	U	0.198	U	**0.49**	**J**	**4.89**		**6.47**		
		6/2/2020	N	0.151	U	0.209	U	**113**		0.119	U	0.129	U	0.198	U	**0.596**	**J**	**6.28**		**8.05**		
		6/2/2020	Dup	0.151	U	0.209	U	**118**		0.119	U	0.129	U	0.198	U	**0.607**	**J**	**6.27**		**8.06**		
		9/17/2020	N	0.151	U	0.209	U	**127**		0.119	U	0.129	U	0.198	U	0.192	U	**1.93**		**18.7**		

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TABLE 6
GROUNDWATER ANALYTICAL RESULTS - B-ZONE
DETECTED VOLATILE ORGANIC COMPOUNDS
Former El Campo Aluminum Facility
El Campo, Texas

Zone	Location ID	Sample Date	Sample Type	1,1,1,2-Tetrachloroethane (µg/L)		1,1,2-Trichloroethane (µg/L)		1,1-Dichloroethane (µg/L)		1,1-Dichloroethene (µg/L)		1,2-Dichloroethane (µg/L)		1,2-Dichloropropane (µg/L)		Bromomethane (µg/L)		Chlorobenzene (µg/L)		Chloroethane (µg/L)	
				Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
		TRRP $^{GW}GW_{Ing}$ PCL		35		5		4900		7		5		5		34		100		9800	
Zone B	MW-126B	12/8/2020	N	0.327	U	0.228	U	0.244	U	0.216	U	0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
		12/8/2020	Dup	0.327	U	0.228	U	0.244	U	0.216	U	0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-127B	1/23/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/4/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/16/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/8/2020	N	0.327	U	0.228	U	0.244	U	0.216	U	0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-128B	2/4/2020	N	0.178	U	0.209	U	0.168	U	**1.31**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/9/2020	N	0.178	U	0.209	U	0.168	U	**2.63**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/17/2020	N	0.178	U	0.209	U	0.168	U	**2.95**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/17/2020	Dup	0.178	U	0.209	U	0.168	U	**2.91**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/10/2020	N	0.327	U	0.228	U	0.244	U	**3.74**		0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-131B	3/3/2020	N	0.178	U	0.209	U	0.168	U	**1.21**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		3/3/2020	Dup	0.178	U	0.209	U	0.168	U	**1.39**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/11/2020	N	0.178	U	0.209	U	0.168	U	**1.36**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/17/2020	N	0.178	U	0.209	U	0.168	U	**2.08**		0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/10/2020	N	0.327	U	0.228	U	0.244	U	**1.04**		0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-132B	3/5/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		3/5/2020	Dup	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/3/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/16/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/10/2020	N	0.327	U	0.228	U	0.244	U	0.216	U	0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-133B	3/5/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/9/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/17/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/10/2020	N	0.327	U	0.228	U	0.244	U	0.216	U	0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-134B	2/5/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/3/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/17/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/17/2020	Dup	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/9/2020	N	0.327	U	0.228	U	0.244	U	0.216	U	0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
		12/9/2020	Dup	0.327	U	0.228	U	0.244	U	0.216	U	0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-135B	3/3/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/3/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/3/2020	Dup	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/18/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/8/2020	N	0.327	U	0.228	U	0.244	U	0.216	U	0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-136B	3/3/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		3/3/2020	Dup	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/3/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/17/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U

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TABLE 6
GROUNDWATER ANALYTICAL RESULTS - B-ZONE
DETECTED VOLATILE ORGANIC COMPOUNDS
Former El Campo Aluminum Facility
El Campo, Texas

Zone	Location ID	Sample Date	Sample Type	Chloroform (µg/L)		Chloromethane (µg/L)		cis-1,2-Dichloroethene (µg/L)		Dibromo-chloromethane (µg/L)		Naphthalene (µg/L)		Toluene (µg/L)		trans-1,2-Dichloroethene (µg/L)		Trichloroethene (µg/L)		Vinyl Chloride (µg/L)		Other VOCs (µg/L)
				Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	
		TRRP $^{GW}GW_{ing}$ PCL		80		70		70		80		490		1000		100		5		2		
Zone B	MW-126B	12/8/2020	N	0.259	U	0.318	U	**136**		0.739	U	2	U	0.5	U	**0.52**	**J**	**1.74**	**J**	**21.1**		ND[8]
		12/8/2020	Dup	0.259	U	0.318	U	**111**		0.739	U	2	U	0.5	U	0.256	U	**1.6**	**J**	**15.4**		
	MW-127B	1/23/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		6/4/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		9/16/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		12/8/2020	N	0.259	U	**0.66**	**J**	0.174	U	0.739	U	2	U	0.5	U	0.256	U	0.424	U	0.234	U	
	MW-128B	2/4/2020	N	0.151	U	0.209	U	**3.74**		0.119	U	0.129	U	0.198	U	0.192	U	**87.3**		0.248	U	
		6/9/2020	N	**0.268**	**J**	0.209	U	**0.957**	**J**	0.119	U	0.129	U	0.198	U	0.192	U	**243**		0.248	U	
		9/17/2020	N	**0.229**	**J**	0.209	U	**0.661**	**J**	0.119	U	0.129	U	0.198	U	0.192	U	**191**		0.248	U	
		9/17/2020	Dup	**0.257**	**J**	0.209	U	**0.57**	**J**	0.119	U	0.129	U	0.198	U	0.192	U	**194**		0.248	U	
		12/10/2020	N	**0.35**	**J**	0.318	U	**0.95**	**J**	0.739	U	2	U	0.5	U	0.256	U	**179**	**D**	0.234	U	
	MW-131B	3/3/2020	N	**0.223**	**J**	0.209	U	**0.379**	**J**	0.119	U	0.129	U	0.198	U	0.192	U	**128**		0.248	U	
		3/3/2020	Dup	**0.222**	**J**	0.209	U	**0.354**	**J**	0.119	U	0.129	U	0.198	U	0.192	U	**117**		0.248	U	
		6/11/2020	N	**0.221**	**J**	0.209	U	**0.42**	**J**	0.119	U	0.129	U	0.198	U	0.192	U	**143**		0.248	U	
		9/17/2020	N	**0.268**	**J**	0.209	U	**0.652**	**J**	0.119	U	0.129	U	0.198	U	0.192	U	**142**		0.248	U	
		12/10/2020	N	0.259	U	0.318	U	**0.54**	**J**	0.739	U	2	U	0.5	U	0.256	U	**117**		0.234	U	
	MW-132B	3/5/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		3/5/2020	Dup	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**0.158**	**J**	0.248	U	
		6/3/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		9/16/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		12/10/2020	N	0.259	U	0.318	U	0.174	U	0.739	U	2	U	0.5	U	0.256	U	0.424	U	0.234	U	
	MW-133B	3/5/2020	N	**0.155**	**J**	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**31.2**		0.248	U	
		6/9/2020	N	**0.183**	**J**	0.209	U	**0.251**	**J**	0.119	U	0.129	U	0.198	U	0.192	U	**47.7**		0.248	U	
		9/17/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**38.8**		0.248	U	
		12/10/2020	N	0.259	U	0.318	U	0.174	U	0.739	U	2	U	0.5	U	0.256	U	**47.1**		0.234	U	
	MW-134B	2/5/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**4.55**		0.248	U	
		6/3/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**3.85**		0.248	U	
		9/17/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**4.01**		0.248	U	
		9/17/2020	Dup	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**4.14**		0.248	U	
		12/9/2020	N	0.259	U	0.318	U	0.174	U	0.739	U	2	U	0.5	U	0.256	U	**2.41**	**J**	0.234	U	
		12/9/2020	Dup	0.259	U	0.318	U	0.174	U	0.739	U	2	U	0.5	U	0.256	U	**1.7**	**JL**	0.234	U	
	MW-135B	3/3/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**1.77**		0.248	U	
		6/3/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**1.85**		0.248	U	
		6/3/2020	Dup	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**1.94**		0.248	U	
		9/18/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**2.11**		0.248	U	
		12/8/2020	N	0.259	U	0.318	U	**0.2**	**J**	0.739	U	2	U	0.5	U	0.256	U	**1.99**	**J**	0.234	U	
	MW-136B	3/3/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		3/3/2020	Dup	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		6/3/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		9/17/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	

GSI ENVIRONMENTAL

TABLE 6
GROUNDWATER ANALYTICAL RESULTS - B-ZONE
DETECTED VOLATILE ORGANIC COMPOUNDS
Former El Campo Aluminum Facility
El Campo, Texas

Zone	Location ID	Sample Date	Sample Type	1,1,1,2-Tetrachloroethane (µg/L)		1,1,2-Trichloroethane (µg/L)		1,1-Dichloroethane (µg/L)		1,1-Dichloroethene (µg/L)		1,2-Dichloroethane (µg/L)		1,2-Dichloropropane (µg/L)		Bromomethane (µg/L)		Chlorobenzene (µg/L)		Chloroethane (µg/L)	
				Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
		TRRP $^{GW}GW_{Ing}$ PCL		35		5		4900		7		5		5		34		100		9800	
Zone B	MW-136B	12/8/2020	N	0.327	U	0.228	U	0.244	U	0.216	U	0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-137B	3/3/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/3/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/16/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/8/2020	N	0.327	U	0.228	U	0.244	U	0.216	U	0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-138B	2/18/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-139B	2/18/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
	MW-140B	3/3/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/3/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/18/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/8/2020	N	0.327	U	0.228	U	0.244	U	0.216	U	0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-141B	3/5/2020	N	0.178	U	0.209	U	0.168	U	**0.739**	**J**	0.116	U	0.136	U	0.25	U	0.185	U	**0.373**	**J**
		6/5/2020	N	0.178	U	0.209	U	0.168	U	**0.543**	**J**	0.116	U	0.136	U	0.25	U	0.185	U	**1.59**	**J**
		9/16/2020	N	0.178	U	0.209	U	**0.186**	**J**	**1.13**		0.116	U	0.136	U	0.25	U	0.185	U	**1.32**	**J**
		12/10/2020	N	0.327	U	0.228	U	**0.28**	**J**	**1.22**		0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-142B	2/17/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/4/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/15/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/8/2020	N	0.327	U	0.228	U	0.244	U	0.216	U	0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-143B	2/17/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		2/17/2020	Dup	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/4/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/15/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/9/2020	N	0.327	U	0.228	U	0.244	U	0.216	U	0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-146B	3/5/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		3/5/2020	Dup	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/9/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/9/2020	Dup	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/16/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/16/2020	Dup	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/9/2020	N	0.327	U	0.228	U	0.244	U	0.216	U	0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
		12/9/2020	Dup	0.327	U	0.228	U	0.244	U	0.216	U	0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	MW-147B	2/17/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		6/4/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		9/14/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U
		12/18/2020	N	0.327	U	0.228	U	0.244	U	0.216	U	0.285	U	0.396	U	1.05	U	0.159	U	0.433	U
	PSRW-1	3/19/2020	N	0.178	U	0.209	U	0.168	U	0.192	U	0.116	U	0.136	U	0.25	U	0.185	U	0.24	U

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TABLE 6
GROUNDWATER ANALYTICAL RESULTS - B-ZONE
DETECTED VOLATILE ORGANIC COMPOUNDS
Former El Campo Aluminum Facility
El Campo, Texas

Zone	Location ID	Sample Date	Sample Type	Chloroform (µg/L)		Chloromethane (µg/L)		cis-1,2-Dichloroethene (µg/L)		Dibromo-chloromethane (µg/L)		Naphthalene (µg/L)		Toluene (µg/L)		trans-1,2-Dichloroethene (µg/L)		Trichloroethene (µg/L)		Vinyl Chloride (µg/L)		Other VOCs (µg/L)
				Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	
		TRRP $^{GW}GW_{ing}$ PCL		80		70		70		80		490		1000		100		5		2		
Zone B	MW-136B	12/8/2020	N	0.259	U	0.318	U	0.174	U	0.739	U	2	U	0.5	U	0.256	U	0.424	U	0.234	U	ND[8]
	MW-137B	3/3/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		6/3/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		9/16/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		12/8/2020	N	0.259	U	0.318	U	0.174	U	0.739	U	2	U	0.5	U	0.256	U	0.424	U	0.234	U	
	MW-138B	2/18/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
	MW-139B	2/18/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
	MW-140B	3/3/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		6/3/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		9/18/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		12/8/2020	N	0.259	U	0.318	U	0.174	U	0.739	U	2	U	0.5	U	0.256	U	0.424	U	0.234	U	
	MW-141B	3/5/2020	N	0.151	U	0.209	U	**54.4**		0.119	U	0.129	U	0.198	U	**0.407**	**J**	0.138	U	**140**		
		6/5/2020	N	0.151	U	0.209	U	**86**		0.119	U	0.129	U	0.198	U	**0.603**	**J**	**20.1**		**75.1**		
		9/16/2020	N	0.151	U	0.209	U	**184**		0.119	U	0.129	U	0.198	U	**1.43**		**115**		**113**		
		12/10/2020	N	0.259	U	0.318	U	**269**	**D**	0.739	U	2	U	0.5	U	**2.38**		**289**	**D**	**48.1**		
	MW-142B	2/17/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**7.05**		0.248	U	
		6/4/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**10.9**		0.248	U	
		9/15/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**6.6**		0.248	U	
		12/8/2020	N	0.259	U	**0.67**	**J**	0.174	U	0.739	U	2	U	0.5	U	0.256	U	**8.93**		0.234	U	
	MW-143B	2/17/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**2.25**		0.248	U	
		2/17/2020	Dup	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**2.33**		0.248	U	
		6/4/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**3.88**		0.248	U	
		9/15/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**3.34**		0.248	U	
		12/9/2020	N	0.259	U	0.318	U	0.174	U	0.739	U	2	U	0.5	U	0.256	U	**2.54**	**J**	0.234	U	
	MW-146B	3/5/2020	N	0.151	U	0.209	U	**0.837**	**J**	0.119	U	0.129	U	0.198	U	0.192	U	**13.4**		0.248	U	
		3/5/2020	Dup	0.151	U	0.209	U	**0.936**	**J**	0.119	U	0.129	U	0.198	U	0.192	U	**14.5**		0.248	U	
		6/9/2020	N	**0.164**	**J**	0.209	U	**4.18**		0.119	U	0.129	U	0.198	U	0.192	U	**44.2**	**J**	0.248	U	
		6/9/2020	Dup	**0.168**	**J**	0.209	U	**4.24**		0.119	U	0.129	U	0.198	U	0.192	U	**43.6**	**J**	0.248	U	
		9/16/2020	N	**0.16**	**J**	0.209	U	**5.19**		0.119	U	0.129	U	0.198	U	0.192	U	**26**		0.248	U	
		9/16/2020	Dup	0.151	U	0.209	U	**4.62**		0.119	U	0.129	U	0.198	U	0.192	U	**24.8**		0.248	U	
		12/9/2020	N	0.259	U	0.318	U	**3.8**		0.739	U	2	U	0.5	U	0.256	U	**21.3**		0.234	U	
		12/9/2020	Dup	0.259	U	0.318	U	**2.92**	**JL**	0.739	U	2	U	0.5	U	0.256	U	**16.3**	**JL**	0.234	U	
	MW-147B	2/17/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		6/4/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		9/14/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	0.138	U	0.248	U	
		12/18/2020	N	0.259	U	0.318	U	**0.174**		0.739	U	2	U	0.5	U	0.256	U	**0.424**		0.234	U	
	PSRW-1	3/19/2020	N	0.151	U	0.209	U	0.157	U	0.119	U	0.129	U	0.198	U	0.192	U	**0.234**	**JL**	0.248	U	

Notes:
1. µg/L = micrograms per liter; VOCs = volatile organic compounds; Dup = duplicate sample; N = normal sample (not a duplicate); conc. = measured concentration; qual. = data qualifier
2. J = estimated; U = result below detection limit; D = The result is from a diluted sample ; L = sample result biased low; ND = result below detection limit
3. PCL = protective concentration level
4. Samples collected by Wood Environment & Infrastructure Solutions, Inc. in January, February, and March 2020.
5. Analytical results for VOCs not listed on this table were non-detect and are included in Appendix B.
6. Groundwater PCLs ($^{GW}GW_{ing}$) are from Texas Commission on Environmental Quality Texas Risk Reduction Program PCL Tables, updated 06 January 2021.
Accessed from: https://www.tceq.texas.gov/remediation/trrp/trrppcls.html
7. Results in bold incate detections, shaded bold results indicate an exceedance of the PCL.
8. Detection limits for other VOCs are presented in the analytical laboratory reports (Appendix B).

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TABLE 7
GROUNDWATER ANALYTICAL RESULTS - C-ZONE
DETECTED VOLATILE ORGANIC COMPOUNDS
Former El Campo Aluminum Facility
El Campo, Texas

Zone	Location ID	Sample Date	Sample Type	1,1-Dichloroethane (µg/L)		1,1-Dichloroethene (µg/L)		Benzene (µg/L)		cis-1,2-Dichloroethene (µg/L)		Ethylbenzene (µg/L)		Naphthalene (µg/L)		Styrene (µg/L)		Toluene (µg/L)		trans-1,2-Dichloroethene (µg/L)		Trichloroethene (µg/L)		Other VOCs (µg/L)
				Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	
TRRP $^{GW}GW_{Ing}$ PCL				4900		7		5		70		700		490		100		1000		100		5		
Zone C	MW-5C	1/23/2020	N	0.168	U	0.192	U	0.176	U	0.157	U	0.212	U	0.129	U	0.175	U	0.198	U	0.192	U	0.138	U	ND[8]
	MW-6C	1/30/2020	N	0.168	U	0.192	U	0.176	U	0.157	U	0.212	U	0.129	U	0.175	U	0.198	U	0.192	U	0.138	U	
	MW-7C	3/25/2020	N	**0.96**	**J**	**1.45**		0.176	U	**2.76**		0.212	U	0.129	U	0.175	U	0.198	U	0.192	U	**15.2**		
	MW-11C	1/30/2020	N	0.168	U	0.192	U	0.176	U	0.157	U	0.212	U	0.129	U	0.175	U	0.198	U	0.192	U	0.138	U	
	MW-17C	2/6/2020	N	0.168	U	0.192	U	0.176	U	0.157	U	0.212	U	0.129	U	0.175	U	0.198	U	0.192	U	**1.99**		
	MW-22C	1/31/2020	N	0.168	U	0.192	U	0.176	U	0.157	U	0.212	U	0.129	U	0.175	U	0.198	U	0.192	U	0.138	U	
	MW-22C	1/31/2020	Dup	0.168	U	0.192	U	0.176	U	0.157	U	0.212	U	0.129	U	0.175	U	0.198	U	0.192	U	0.138	U	
	MW-23C	2/4/2020	N	**1.14**		**2.47**		0.176	U	**6.91**		0.212	U	0.129	U	0.175	U	0.198	U	**0.947**	**J**	**20.7**		
	MW-130C	2/6/2020	N	0.168	U	0.192	U	0.176	U	0.157	U	0.212	U	0.129	U	0.175	U	0.198	U	0.192	U	0.138	U	
	PPW-1	3/19/2020	N	0.168	U	0.192	U	**0.863**	**J**	0.157	U	**0.786**	**J**	**0.735**	**J**	**0.361**	**JL**	**1.23**		0.192	U	0.138	UJL	
	PPW-2	3/19/2020	N	0.168	U	0.192	U	0.176	U	0.157	U	0.212	U	0.129	U	0.175	UR	0.198	U	0.192	U	**2.93**	**JL**	

Notes:
1. µg/L = micrograms per liter; VOCs = volatile organic compounds
2. Dup = duplicate sample; N = normal sample (not a duplicate); conc. = measured concentration; qual. = data qualifier
3. J = estimated; U = result below detection limit; ND = non-detect = U
4. PCL = protective concentration level
5. Samples collected by Wood Environment & Infrastructure Solutions, Inc. in January, February, and March 2020.
6. Analytical results for VOCs not listed on this table were non-detect and are included in Appendix B.
7. Groundwater PCLs ($^{GW}GW_{Ing}$) are from Texas Commission on Environmental Quality Texas Risk Reduction Program PCL Tables, updated January 6 2021.
   Accessed from: https://www.tceq.texas.gov/remediation/trrp/trrppcls.html
8. Results in bold incate detections, shaded bold results indicate an exceedance of the PCL.
9. Detection limits for other VOCs are presented in the analytical laboratory reports (Appendix B).

FIGURES

LEGEND

- Monitoring well location
- 65.24 — Measured static water level elevation (ft msl)
- 66 — Potentiometric surface contour (ft msl), Dashed where inferred

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GEOLOGY
11370
LICENSED
PROFESSIONAL GEOSCIENTIST

Feet
0 600 1,200

Notes

1. ft msl = feet mean sea level.
2. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
3. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).

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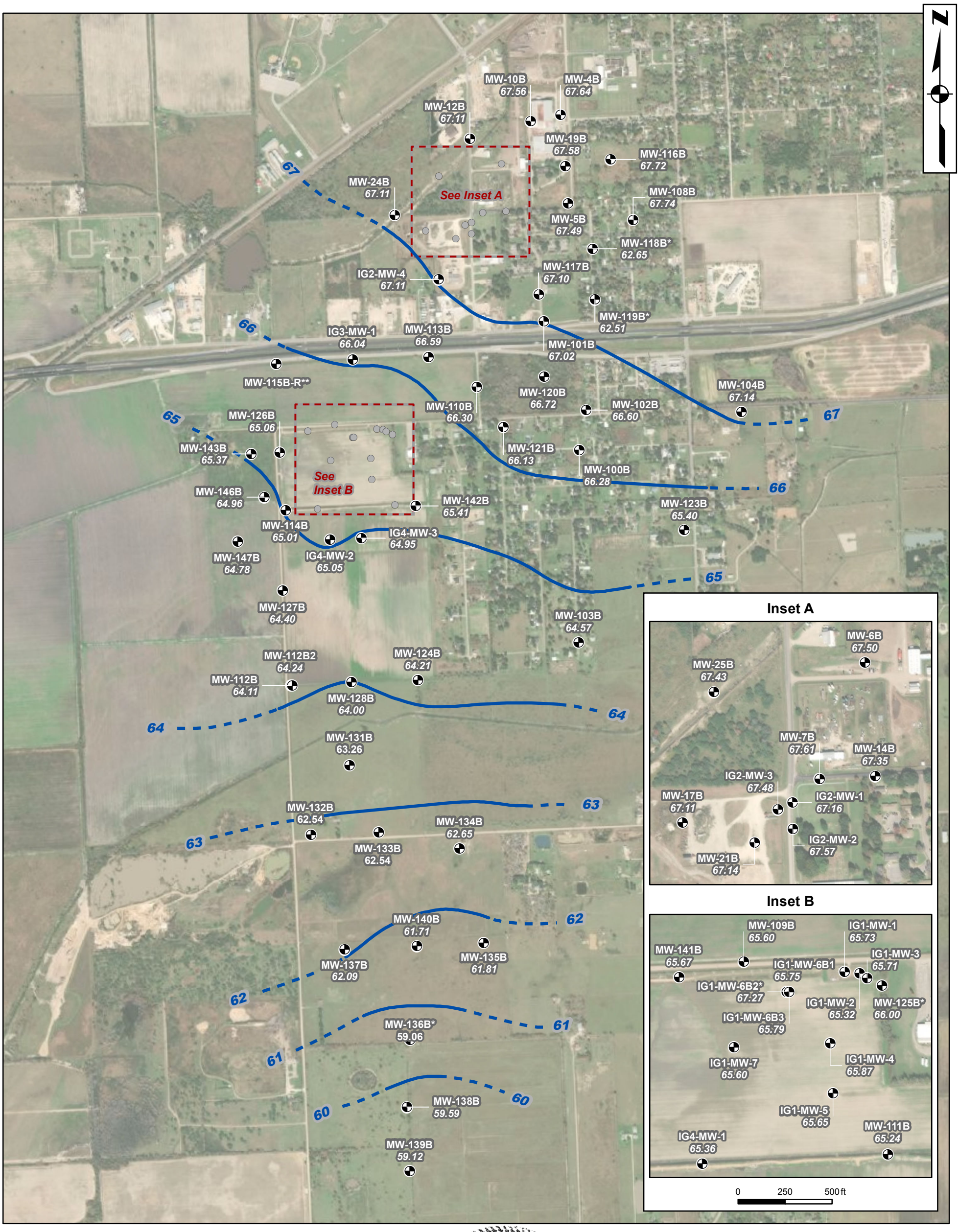
GROUNDWATER POTENTIOMETRIC SURFACE MAP - A-ZONE FIRST QUARTER 2020

Former El Campo Aluminum Facility
El Campo, Texas

GSI Job No.	5452-001	Drawn By:	AV
Issued:	23-Mar-2021	Chk'd By:	ARD
Map ID:	**001_07**	Appv'd By:	JMS

FIGURE 1



LEGEND

- Monitoring well location
- 59.12 — Measured static water level elevation (ft msl)
- 65 — Potentiometric surface contour (ft msl); Dashed where inferred

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PROFESSIONAL GEOSCIENTIST

Feet
0 600 1,200

Notes

1. * = Measurement not used in contouring; ** = Well damaged; ft msl = feet mean sea level.
2. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
3. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).

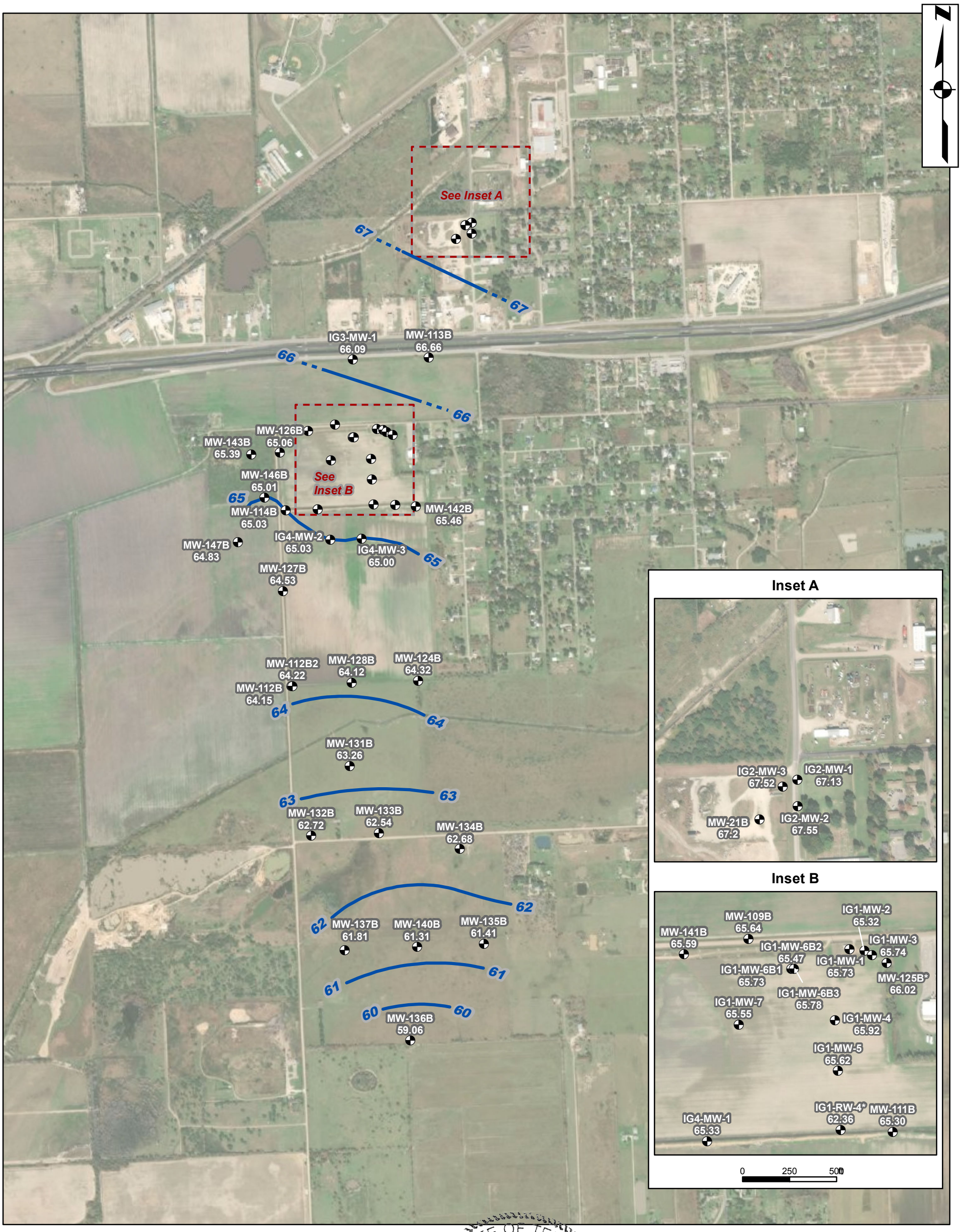
GSI ENVIRONMENTAL

GROUNDWATER POTENTIOMETRIC SURFACE MAP – B-ZONE FIRST QUARTER 2020

Former El Campo Aluminum Facility
El Campo, Texas

GSI Job No.	5452-001	Drawn By:	CDM/AV
Issued:	23-Mar-2021	Chk'd By:	ARD
Map ID:	**001_01**	Appv'd By:	JMS

FIGURE 2



LEGEND

- Monitoring well location
- 65.55 — Measured static water level elevation (ft msl)
- 65 — Potentiometric surface contour (ft msl), Dashed where inferred

Feet

0 600 1,200

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GROUNDWATER POTENTIOMETRIC SURFACE MAP - B-ZONE SECOND QUARTER 2020

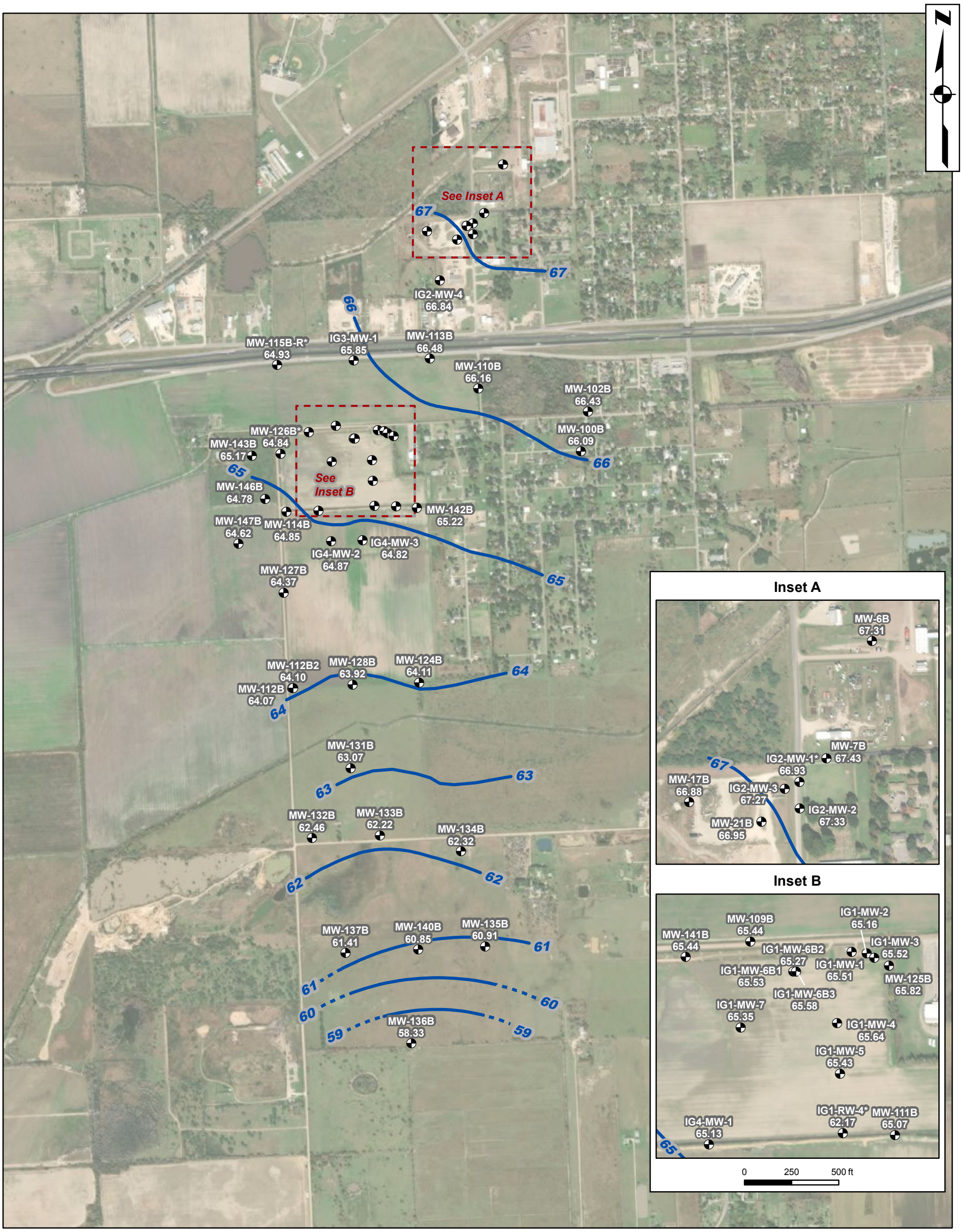
Former El Campo Aluminum Facility
El Campo, Texas

GSI Job No.	5452-001	Drawn By:	AV
Issued:	23-Mar-2021	Chk'd By:	ARD
Map ID:	**001_09**	Appv'd By:	JMS

FIGURE 3

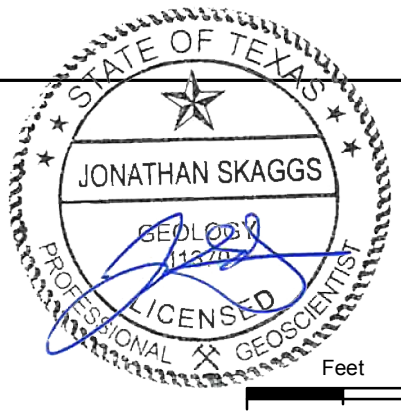
Notes

1. * = Measurement not used in contouring; ft msl = feet mean sea level.
2. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
3. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).



LEGEND

- Monitoring well location
- 65.13 — Measured static water level elevation (ft msl)
- 65 — Potentiometric surface contour (ft msl); Dashed where inferred



Feet
0 600 1,200

Notes

1. * = Measurement not used in contouring; ft msl = feet mean sea level.
2. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
3. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).

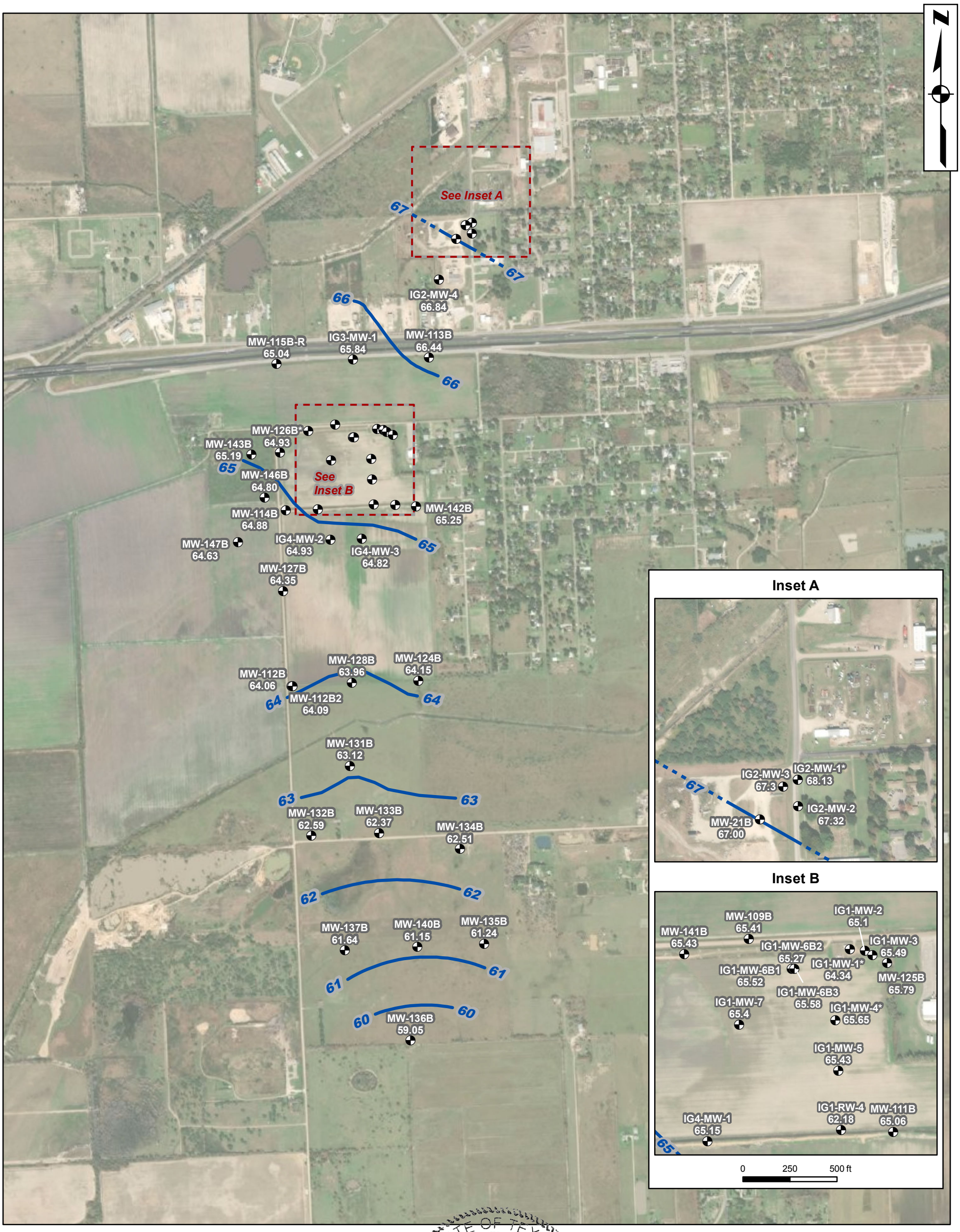
GSI ENVIRONMENTAL

GROUNDWATER POTENTIOMETRIC SURFACE MAP - B-ZONE THIRD QUARTER 2020

Former El Campo Aluminum Facility
El Campo, Texas

GSI Job No.	5452-001	Drawn By:	AV
Issued:	23-Mar-2021	Chk'd By:	ARD
Map ID:	**001_10**	Appv'd By:	JMS

FIGURE 4



LEGEND

- Monitoring well location
- 65.19 — Measured static water level elevation (ft msl)
- 65 — Potentiometric surface contour (ft msl); Dashed where inferred

Feet

0 600 1,200

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Notes

1. * = Measurement not used in contouring; ft msl = feet mean sea level.
2. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
3. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).

GSI ENVIRONMENTAL

GROUNDWATER POTENTIOMETRIC SURFACE MAP - B-ZONE FOURTH QUARTER 2020

Former El Campo Aluminum Facility
El Campo, Texas

GSI Job No.	5452-001	Drawn By:	AV
Issued:	23-Mar-2021	Chk'd By:	ARD
Map ID:	**001_11**	Appv'd By:	JMS

FIGURE 5

LEGEND

- Monitoring well location
- 65.83 — Measured static water level elevation (ft msl)
- 52 — Potentiometric surface contour (ft msl); Dashed where inferred

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Feet
0 600 1,200

Notes

1. ft msl = feet mean sea level.
2. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
3. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).

GSI ENVIRONMENTAL

GROUNDWATER POTENTIOMETRIC SURFACE MAP - C-ZONE FIRST QUARTER 2020

Former El Campo Aluminum Facility
El Campo, Texas

GSI Job No.	5452-001	Drawn By:	AV
Issued:	23-Mar-2021	Chk'd By:	ARD
Map ID:	**001_08**	Appv'd By:	JMS

FIGURE 6

LEGEND

- Monitoring well location
- **2.04** TCE concentration (µg/L)
  '<' sign indicates sample result is below the method detection limit (MDL))

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Feet
0 600 1,200

Notes

1. TCE = Trichloroethene; µg/L = micrograms per liter.
2. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
3. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).
4. J = Estimated value.

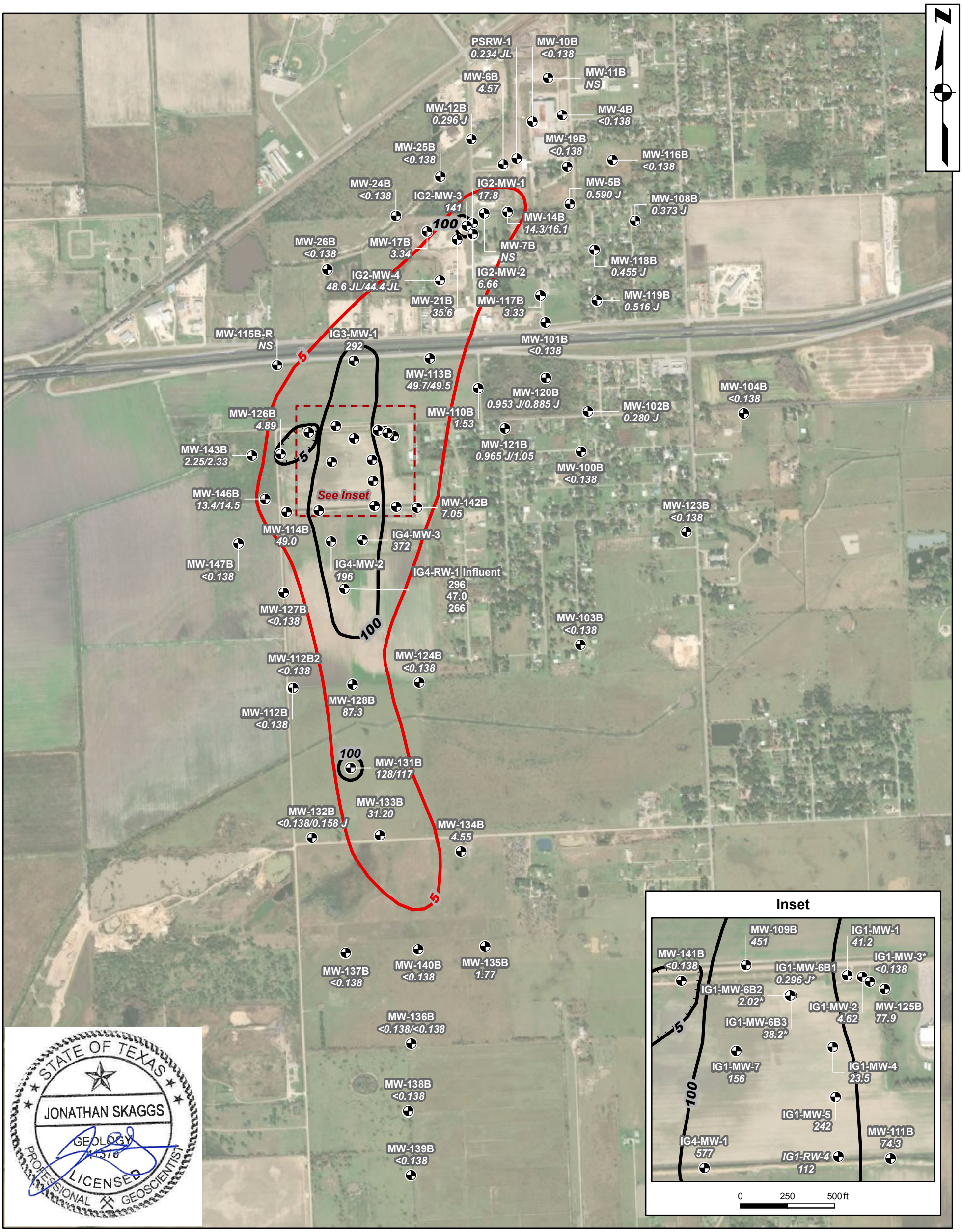
GSI ENVIRONMENTAL

TRICHLOROETHENE GROUNDWATER ISOCONCENTRATION MAP - A-ZONE FIRST QUARTER 2020

Former El Campo Aluminum Facility
El Campo, Texas

GSI Job No.	5452-001	Drawn By:	AV
Issued:	23-Mar-2021	Chk'd By:	ARD
Map ID:	**008_01**	Appv'd By:	JMS

FIGURE 7



LEGEND

⊕	Monitoring well location
577	TCE concentration (µg/L) *('<' sign indicates sample result is below the method detection limit (MDL))*
NS	Well was not sampled
100	TCE isoconcentration contour (µg/L)
5	TCE PCLE Zone (5 µg/L)

Feet
0 600 1,200

Notes

1. * = Measurement not used in contouring; TCE = Trichloroethene; µg/L = micrograms per liter; PCLE = Protective Concentration Limit Exceedance; J = Estimated value; L = sample result biased low; "/" = duplicate sample.
2. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
3. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).
4. IG4-RW-1 Influent sampled in 15 January, 2 March and 26 March 2020.

GSI ENVIRONMENTAL

TRICHLOROETHENE GROUNDWATER ISOCONCENTRATION MAP - B-ZONE FIRST QUARTER 2020

Former El Campo Aluminum Facility
El Campo, Texas

GSI Job No.	5452-001	Drawn By:	AV
Issued:	23-Mar-2021	Chk'd By:	ARD
Map ID:	008_02	Appv'd By:	JMS

FIGURE 8

IG2-MW-3 171
IG2-MW-1 24.5J
100
MW-7B NS
MW-21B 39.4J
IG2-MW-2 8.22
MW-115B-R * NS
IG3-MW-1 339
MW-113B 44.5J
5
MW-126B 6.28
5
MW-143B 3.88
100
100
See Inset
MW-146B 44.2J
MW-142B 10.9
MW-114B 109
IG4-MW-3 377
MW-147B <0.138
IG4-MW-2 152
5
MW-127B <0.138
IG4-RW-1 Influent 301
MW-112B2 <0.138
MW-124B <0.138
MW-128B 243
MW-112B <0.138
MW-131B 143
100
MW-132B <0.138
MW-133B 47.7
MW-134B 3.85
5
MW-140B <0.138
MW-137B <0.138
MW-135B 1.85/1.94
MW-136B <0.138

Inset

MW-109B 1010
IG1-MW-1 90.5 J
MW-141B 20.1
1000
IG1-MW-6B1 <0.138
5
IG1-MW-3 <0.138
IG1-MW-6B2 0.31 J
IG1-MW-2 15.5
MW-125B 94.2
IG1-MW-6B3 18.4
100
100
IG1-MW-7 252
IG1-MW-4 35.5 J
IG1-MW-5 256
100
MW-111B 97.5
IG4-MW-1 713 J
IG1-RW-4 125

0 250 500 ft

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LEGEND

- Monitoring well location
- **1,010** TCE concentration (µg/L) *('<' sign indicates sample result is below the method detection limit (MDL))*
- **NS** Well was not sampled
- **100** TCE isoconcentration contour (µg/L)
- **5** TCE PCLE Zone (5 µg/L)

Feet
0 600 1,200

Notes

1. * = not sampled due to well damage; TCE = Trichloroethene; µg/L = micrograms per liter; PCLE = Protective Concentration Limit Exceedance; J = Estimated value; "/" = duplicate value.
2. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
3. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).

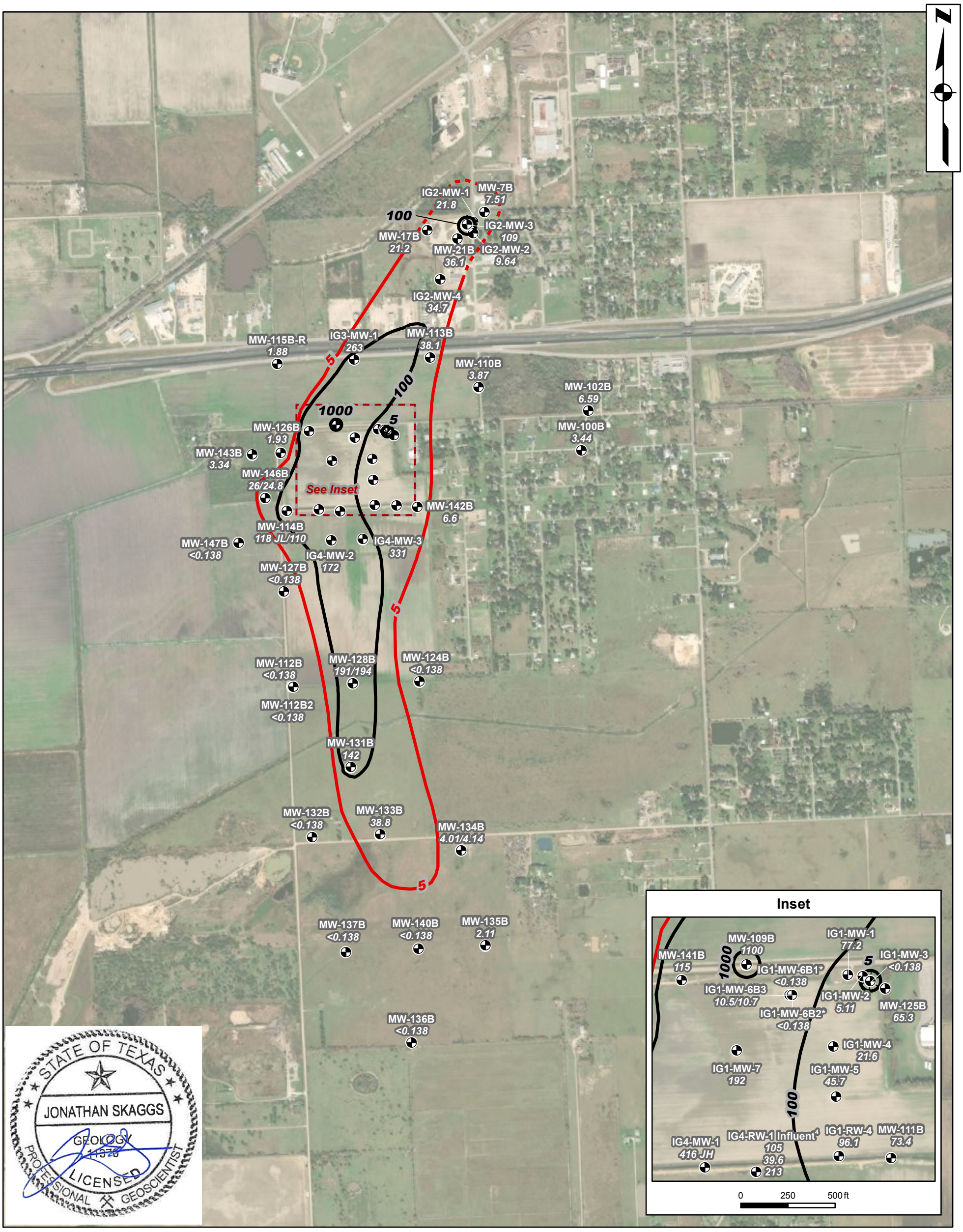
GSI ENVIRONMENTAL

TRICHLOROETHENE GROUNDWATER ISOCONCENTRATION MAP - B-ZONE SECOND QUARTER 2020

Former El Campo Aluminum Facility
El Campo, Texas

GSI Job No.	5452-001	Drawn By:	AV
Issued:	26-Mar-2021	Chk'd By:	ARD
Map ID:	**008_03**	Appv'd By:	JMS

FIGURE 9



LEGEND

Monitoring well location	100 — TCE isoconcentration contour (µg/L)
1,100 — TCE concentration (µg/L) ('<' sign indicates sample result is below the method detection limit (MDL))	5 — TCE PCLE Zone (5 µg/L)
NS — Well was not sampled	

Feet

0 600 1,200

Notes

1. 8 = Measurement not used in contouring; TCE = Trichloroethene; µg/L = micrograms per liter; J = Estimated value; H = sample biased high; L = sample biased low; PCLE = Protective Concentration Limit Exceedance; "/" = duplicate value.
2. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
3. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).
4. IG4-RW 1 Influent was sampled in 8/20, 9/15, and 10/12 and respectively.

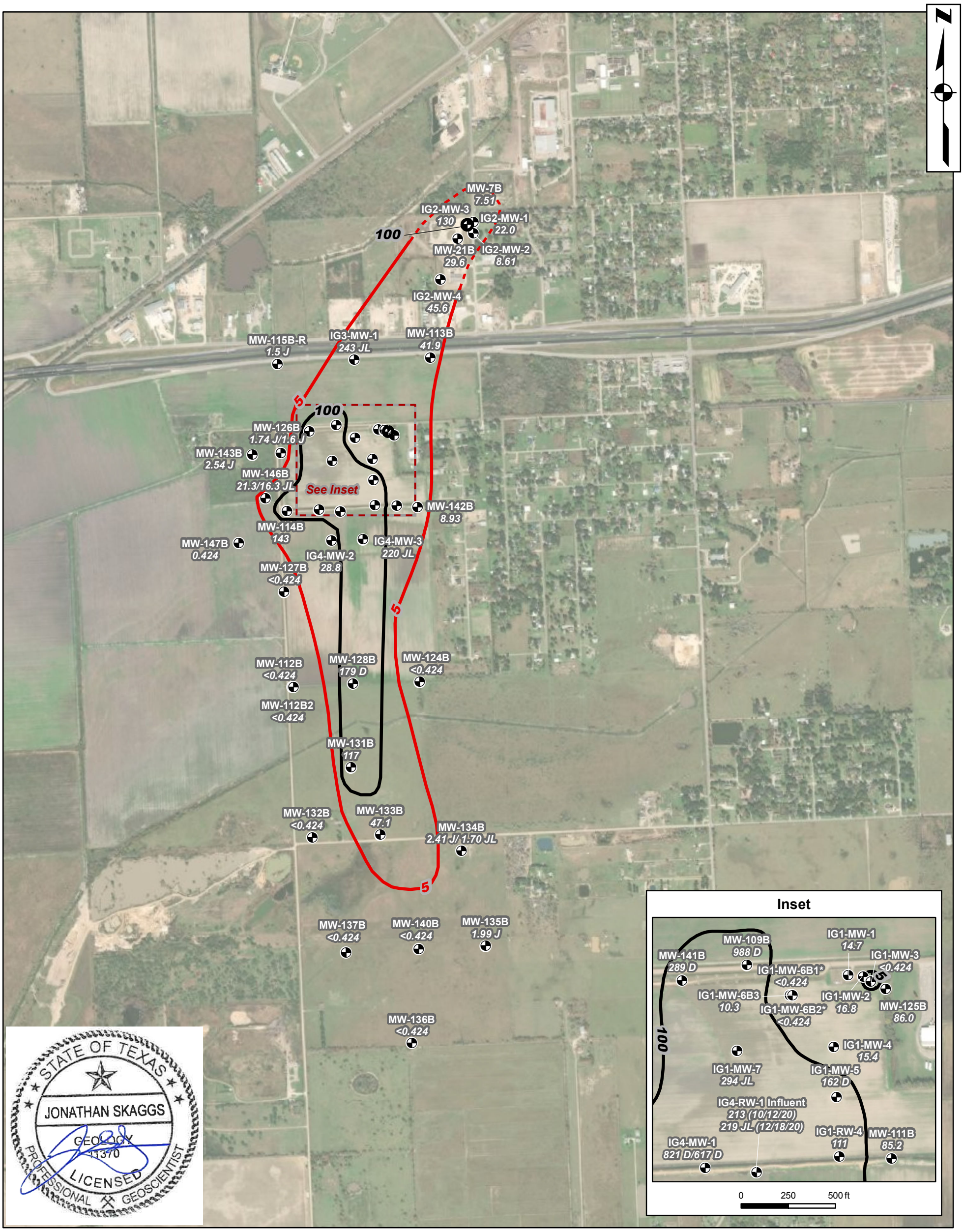
GSI ENVIRONMENTAL

TRICHLOROETHENE GROUNDWATER ISOCONCENTRATION MAP - B-ZONE THIRD QUARTER 2020

Former El Campo Aluminum Facility
El Campo, Texas

GSI Job No.	5452-001	Drawn By:	AV
Issued:	23-Mar-2021	Chk'd By:	ARD
Map ID:	**008_04**	Appv'd By:	JMS

FIGURE 10



LEGEND

- Monitoring well location
- *988* — TCE concentration (µg/L) *('<' sign indicates sample result is below the method detection limit (MDL))*
- *NS* — Well was not sampled
- *100* — TCE isoconcentration contour (µg/L)
- *5* — TCE PCLE Zone (5 µg/L)

Feet
0 600 1,200

Notes

1. TCE = Trichloroethene; µg/L = micrograms per liter; J = Estimated value; L = sample result biased low; PCLE = Protective Concentration Limit Exceedance; "/" = duplicate value; D = result was obtained from the analysis of a dilution.
2. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
3. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).

GSI ENVIRONMENTAL

TRICHLOROETHENE GROUNDWATER ISOCONCENTRATION MAP - B-ZONE FOURTH QUARTER 2020

Former El Campo Aluminum Facility
El Campo, Texas

GSI Job No.	5452-001	Drawn By:	AV
Issued:	26-Mar-2021	Chk'd By:	ARD
Map ID:	**008_05**	Appv'd By:	JMS

FIGURE 11

MW-10B <0.192
MW-4B <0.192
MW-12B <0.192
MW-116B <0.192
MW-19B <0.192
See Inset A
MW-24B <0.192
7
>10
MW-108B <0.192
MW-5B <0.192
MW-26B <0.192
MW-118B <0.192
7
10
MW-117B <0.192
IG2-MW-4 12.7 (10.2 Dup)
MW-119B <0.192
MW-101B <0.192
MW-113B 1.30 (1.33 Dup)
IG3-MW-1 2.74
MW-120B <0.192 (<0.192 Dup)
MW-126B 0.511 J
MW-104B <0.192
MW-110B <0.192
MW-143B <0.192 (<0.192 Dup)
MW-102B <0.192
7
10
MW-121B <0.192 (<0.192 (Dup)
MW-100B <0.192
MW-146B <0.192 (<0.192 Dup)
See Inset B
MW-142B <0.192
MW-123B <0.192
MW-147B <0.192
IG4-MW-3 19.7
MW-114B <0.192
IG4-MW-2 7.92
IG4-RW-1 7.79, 3.22, 6.45
MW-127B <0.192
MW-103B <0.192
MW-128B 1.31
MW-112B2 <0.192
MW-124B <0.192
MW-112B <0.192
MW-131B 1.21 (1.39 Dup)
MW-133B <0.192
MW-134B <0.192
MW-132B <0.192 (<0.192 Dup)
MW-140B <0.192
MW-137B <0.192
MW-135B <0.192
MW-136B <0.192 (<0.192 Dup)
MW-138B <0.192
MW-139B <0.192

Inset A

MW-25B <0.192
MW-6B 0.503 J
PSRW-1 <0.192
IG2-MW-3 27.1
IG2-MW-1 1.69
MW-17B <0.192
MW-14B <0.192 (0.621 J Dup)
7
>10
MW-21B 1.89
IG2-MW-2 3.44

Inset B

MW-141B 0.739 J
IG1-MW-6B3* 15.2
IG1-MW-2 5.80
IG1-MW-3 5.77
MW-109B 7.57
IG1-MW-1 13.1
MW-125B 5.06
IG1-MW-6B2* 4.52
IG1-MW-7 7.59
10
IG1-MW-4 11.1
IG1-MW-6B1* <0.192
7
IG1-MW-5 17.6
MW-111B NS, 1.52
IG4-MW-1 3.34
IG1-RW-4 2.88

0 250 500 ft

LEGEND

- Monitoring well location
- <0.192 — 1,1-Dichloroethene concentration in ug/L ('<' sign indicates sample result is below the method detection limit (MDL))
- 10 — Isoconcentration contour (µg/L)
- 7 — 1,1-DCE PCLE Zone (7 ug/L)

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Feet
0 600 1,200

Notes

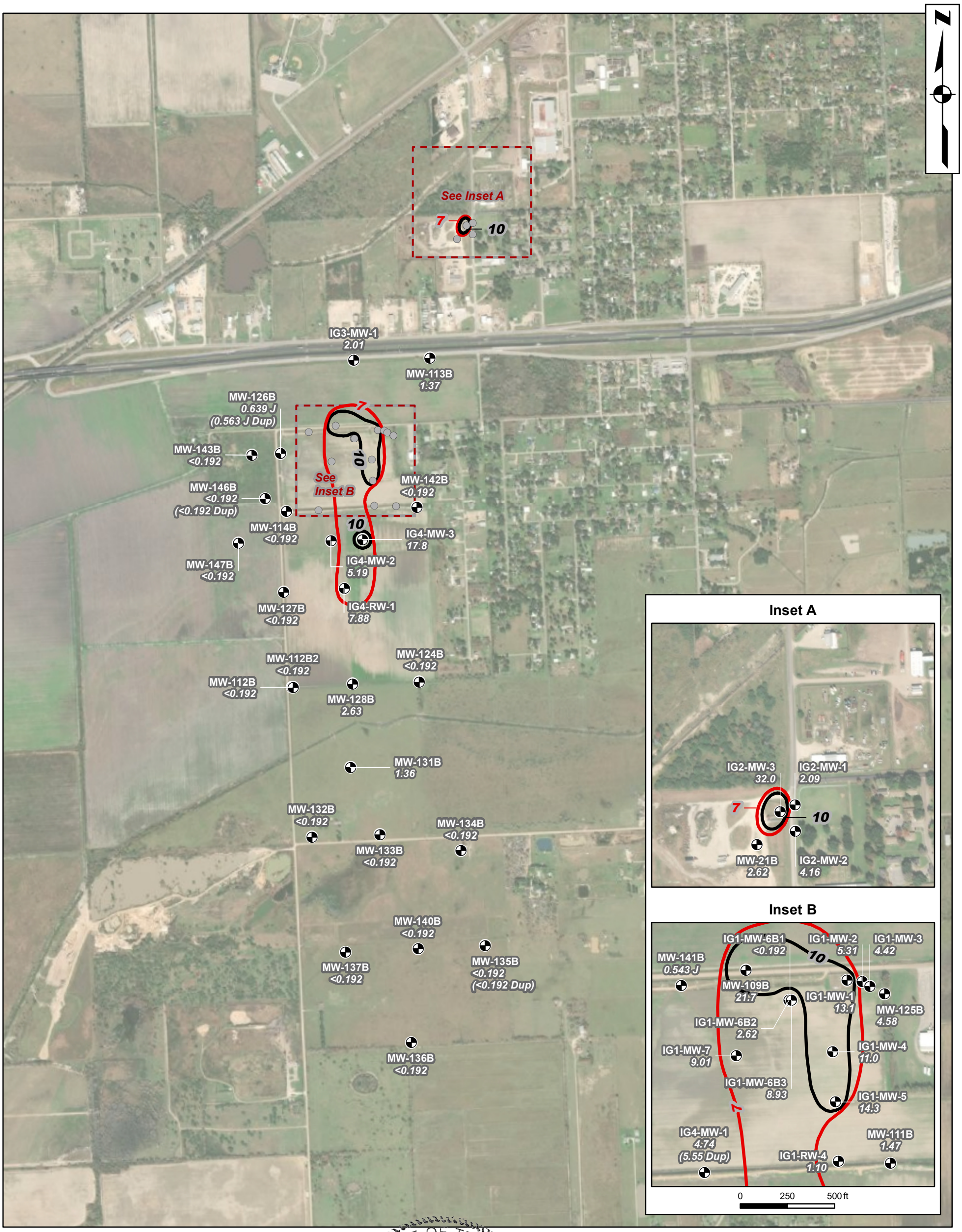
1. 1,1-DCE = 1,1-dichloroethene.
2. PCLE = Protective Concentration Level Exceedance zone.
3. * = Measurement not used in contouring.
4. J = Estimated value; Dup = Duplicate sample.
5. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
6. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).

GSI ENVIRONMENTAL

1,1-DICHLOROETHENE GROUNDWATER ISOCONCENTRATION MAP – B-ZONE – FIRST QUARTER 2020

GSI Job No.	5452-008	Drawn By:	CDM
Issued:	23-Mar-2021	Chk'd By:	CDR
Map ID:	010_01	Appv'd By:	JMS

FIGURE 12



LEGEND

- Monitoring well location
- <0.192 — 1,1-Dichloroethene concentration in ug/L ('<' sign indicates sample result is below the method detection limit (MDL))
- 10 — Isoconcentration contour (µg/L)
- 7 — 1,1-DCE PCLE Zone (7 ug/L)

Feet: 0, 600, 1,200

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Notes

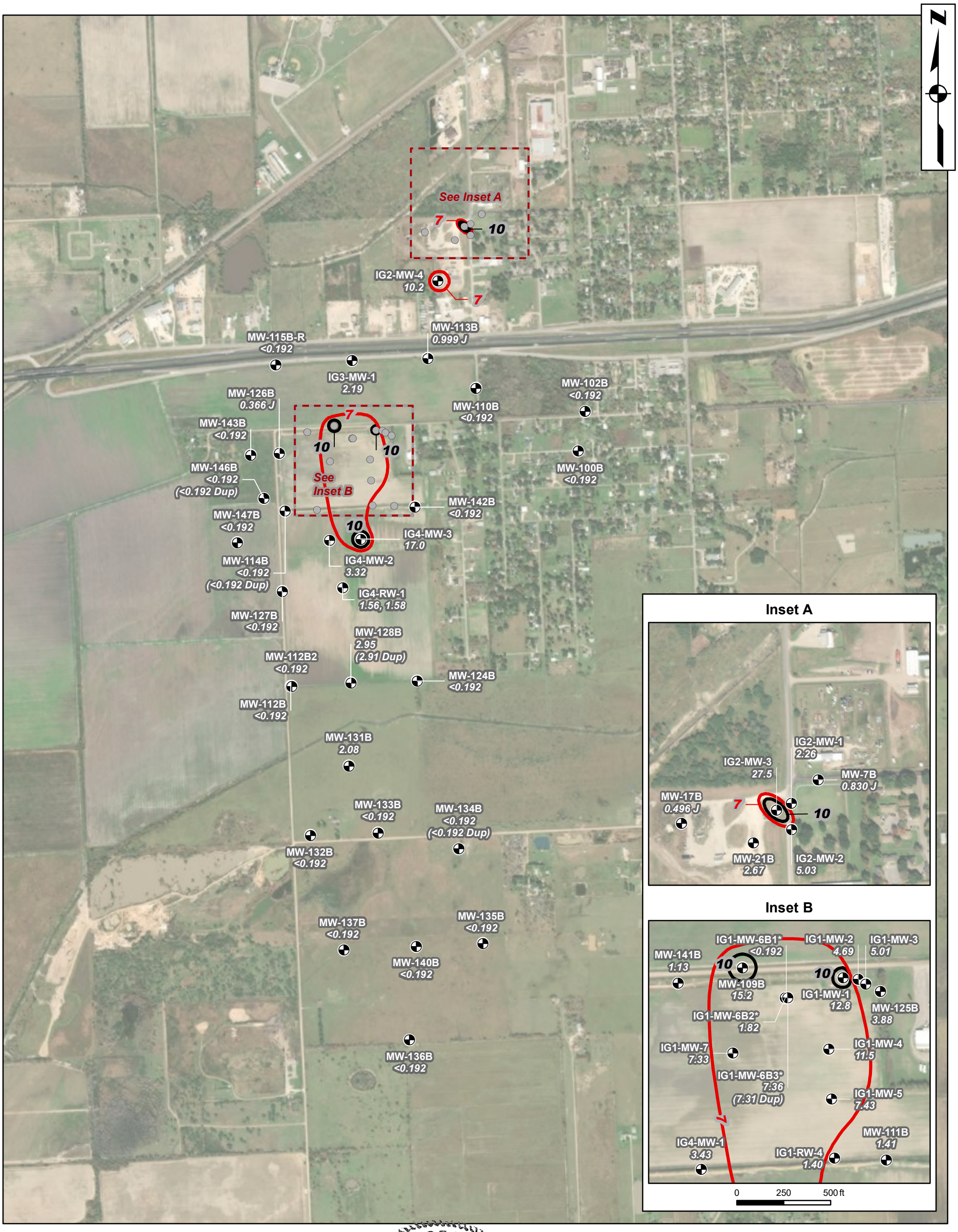
1. 1,1-DCE = 1,1-dichloroethene.
2. PCLE = Protective Concentration Level Exceedance zone.
3. * = Measurement not used in contouring.
4. J = Estimated value; Dup = Duplicate sample.
5. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
6. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).

GSI ENVIRONMENTAL

1,1-DICHLOROETHENE GROUNDWATER ISOCONCENTRATION MAP – B-ZONE – SECOND QUARTER 2020

GSI Job No.	5452-008	Drawn By:	CDM
Issued:	26-Mar-2021	Chk'd By:	CDR
Map ID:	010_02	Appv'd By:	JMS

FIGURE 13



LEGEND

- Monitoring well location
- *<0.192* — 1,1-Dichloroethene concentration in ug/L
  ('<' sign indicates sample result is below the method detection limit (MDL)
- *10* — Isoconcentration contour (µg/L)
- *7* — 1,1-DCE PCLE Zone (7 ug/L)

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Feet
0 600 1,200

Notes

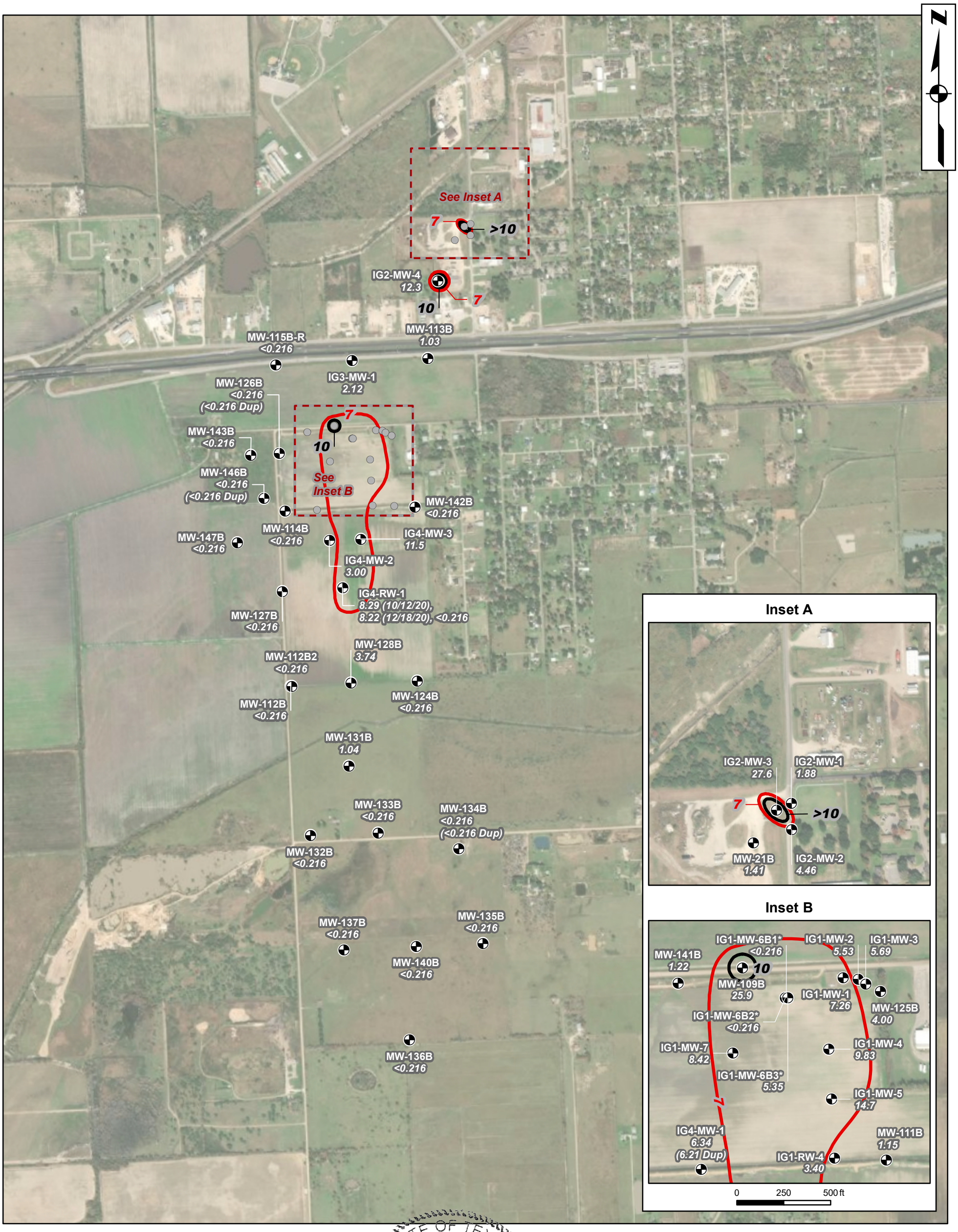
1. 1,1-DCE = 1,1-dichloroethene.
2. PCLE = Protective Concentration Level Exceedance zone.
3. * = Measurement not used in contouring.
4. J = Estimated value; Dup = Duplicate sample.
5. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
6. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).

GSI ENVIRONMENTAL

1,1-DICHLOROETHENE GROUNDWATER ISOCONCENTRATION MAP – B-ZONE – THIRD QUARTER 2020

GSI Job No.	5452-008	Drawn By:	CDM
Issued:	26-Mar-2021	Chk'd By:	CDR
Map ID:	**010_03**	Appv'd By:	JMS

FIGURE 14



LEGEND

- Monitoring well location
- <0.192 — 1,1-Dichloroethene concentration in ug/L ('<' sign indicates sample result is below the method detection limit (MDL))
- 10 — Isoconcentration contour (µg/L)
- 7 — 1,1-DCE PCLE Zone (7 ug/L)

Feet: 0, 600, 1,200

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Notes

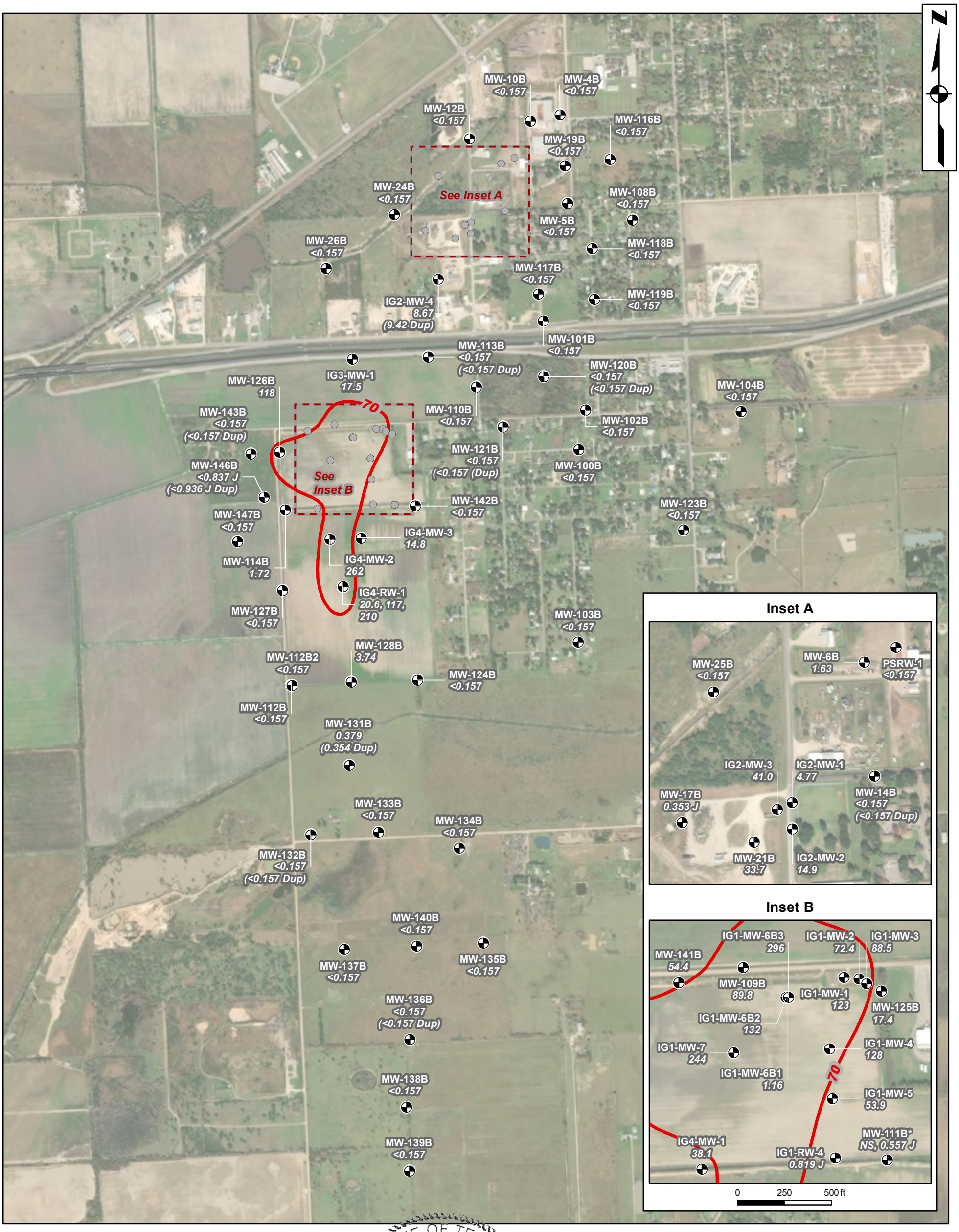
1. 1,1-DCE = 1,1-dichloroethene.
2. PCLE = Protective Concentration Level Exceedance zone.
3. * = Measurement not used in contouring.
4. J = Estimated value; Dup = Duplicate sample.
5. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
6. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).

GSI ENVIRONMENTAL

1,1-DICHLOROETHENE GROUNDWATER ISOCONCENTRATION MAP – B-ZONE – FOURTH QUARTER 2020

GSI Job No.	5452-008	Drawn By:	CDM
Issued:	23-Mar-2021	Chk'd By:	CDR
Map ID:	010_04	Appv'd By:	JMS

FIGURE 15



LEGEND

- Monitoring well location
- **<0.157** — cis-1,2-Dichloroethene concentration in ug/L
  ('<' sign indicates sample result is below the method detection limit (MDL)
- **70** — cis-1,2-DCE PCLE Zone (70 µg/L)

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Feet
0 600 1,200

Notes

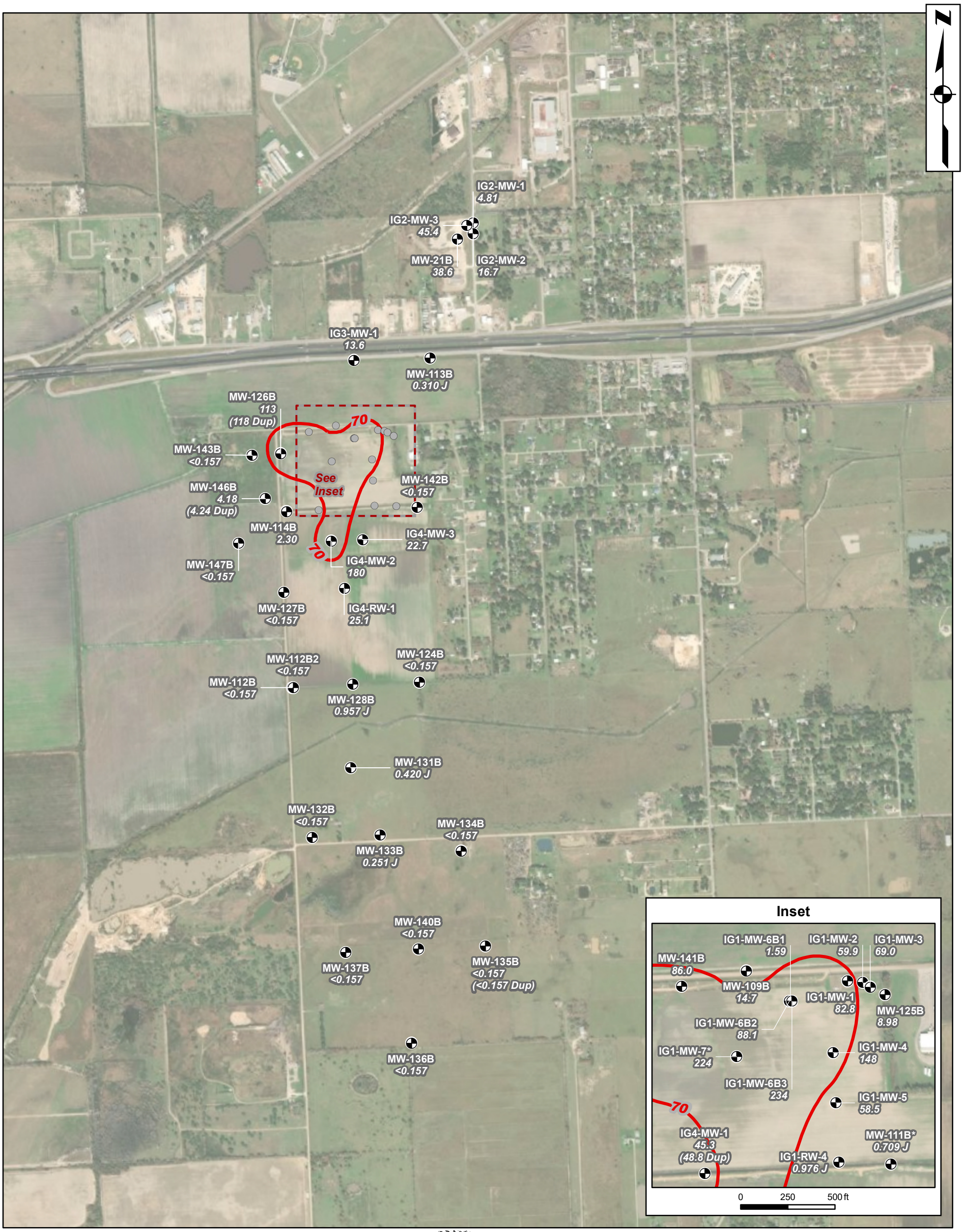
1. cis-1,2-DCE = cis-1,2-dichloroethene.
2. PCLE = Protective Concentration Level Exceedance zone.
3. * = Measurement not used in contouring.
4. J = Estimated value; Dup = Duplicate sample.
5. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
6. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).

GSI ENVIRONMENTAL

CIS-1,2-DICHLOROETHENE GROUNDWATER ISOCONCENTRATION MAP – B-ZONE – FIRST QUARTER 2020

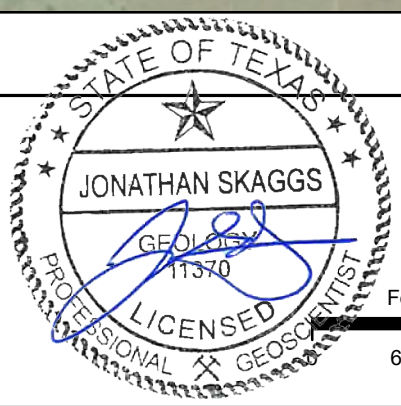
GSI Job No.	5452-008	Drawn By:	CDM
Issued:	23-Mar-2021	Chk'd By:	CDR
Map ID:	**010_05**	Appv'd By:	JMS

FIGURE 16



LEGEND

- Monitoring well location
- *<0.157* — cis-1,2-Dichloroethene concentration in ug/L
  ('<' sign indicates sample result is below the method detection limit (MDL))
- *70* — cis-1,2-DCE PCLE Zone (70 µg/L)



0 600 1,200 Feet

Notes

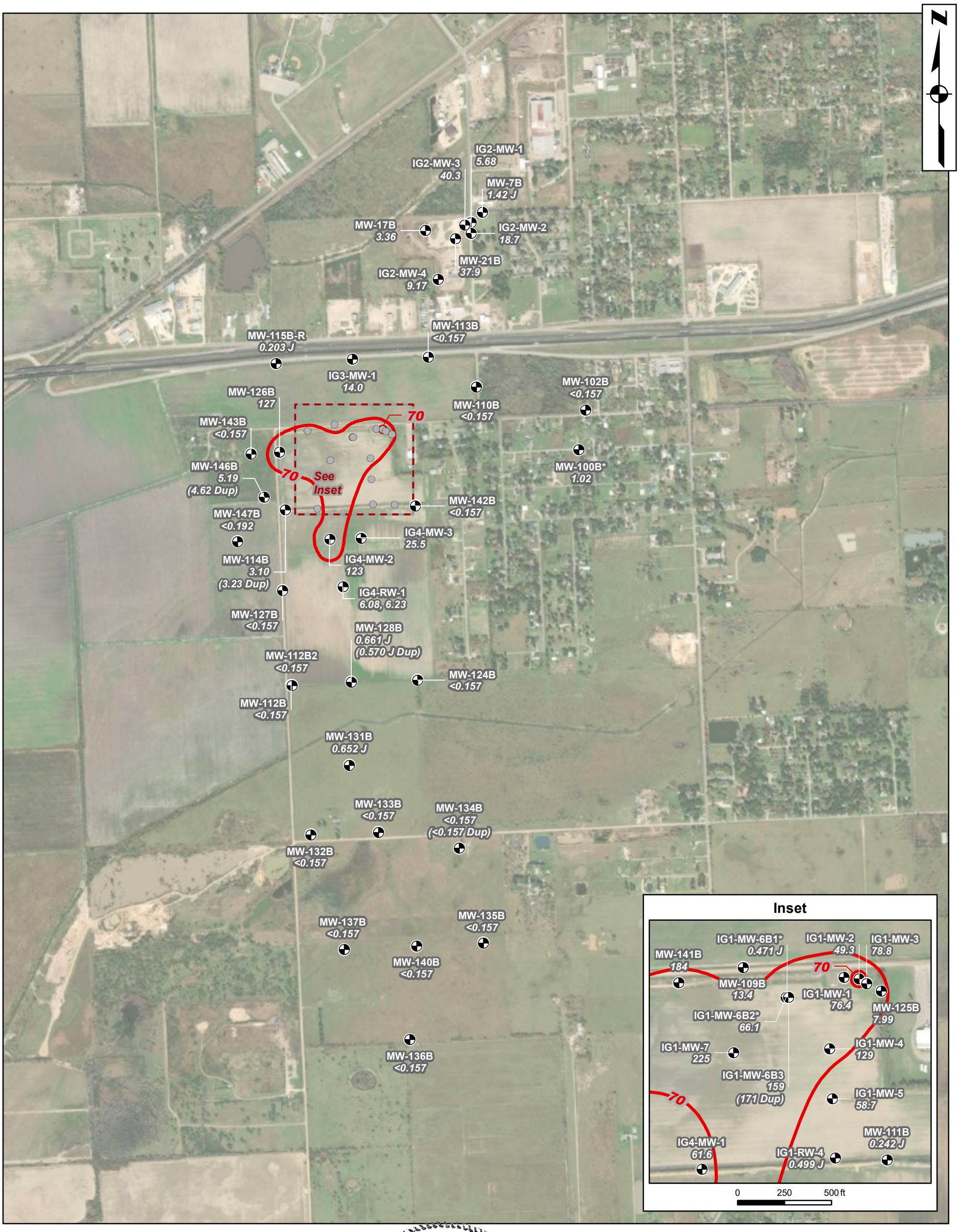
1. cis-1,2-DCE = cis-1,2-dichloroethene.
2. PCLE = Protective Concentration Level Exceedance zone.
3. * = Measurement not used in contouring.
4. J = Estimated value; Dup = Duplicate sample.
5. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
6. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).

GSI ENVIRONMENTAL

CIS-1,2-DICHLOROETHENE GROUNDWATER ISOCONCENTRATION MAP – B-ZONE – SECOND QUARTER 2020

GSI Job No.	5452-008	Drawn By:	CDM
Issued:	23-Mar-2021	Chk'd By:	CDR
Map ID:	**010_06**	Appv'd By:	JMS

FIGURE 17



LEGEND

- Monitoring well location
- *<0.157* — cis-1,2-Dichloroethene concentration in ug/L
  ('<' sign indicates sample result is below the method detection limit (MDL)
- *70* — cis-1,2-DCE PCLE Zone (70 µg/L)

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Feet
0 600 1,200

Notes

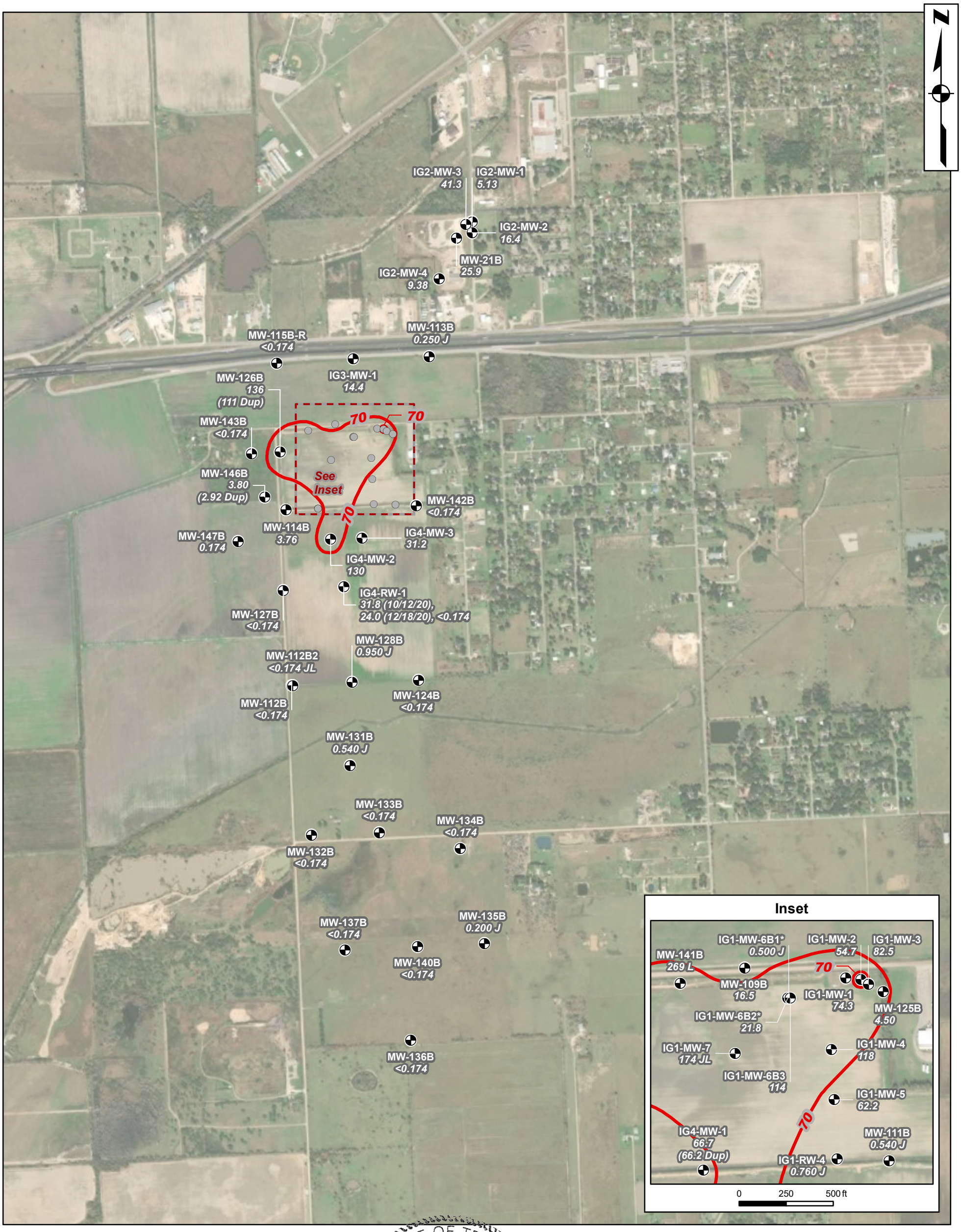
1. cis-1,2-DCE = cis-1,2-dichloroethene.
2. PCLE = Protective Concentration Level Exceedance zone.
3. * = Measurement not used in contouring.
4. J = Estimated value; Dup = Duplicate sample.
5. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
6. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).

GSI ENVIRONMENTAL

CIS-1,2-DICHLOROETHENE GROUNDWATER ISOCONCENTRATION MAP – B-ZONE – THIRD QUARTER 2020

GSI Job No.	5452-008	Drawn By:	CDM
Issued:	23-Mar-2021	Chk'd By:	CDR
Map ID:	**010_07**	Appv'd By:	JMS

FIGURE 18



LEGEND

- Monitoring well location
- **<0.157** — cis-1,2-Dichloroethene concentration in ug/L
  ('<' sign indicates sample result is below the method detection limit (MDL))
- **70** — cis-1,2-DCE PCLE Zone (70 µg/L)

STATE OF TEXAS
JONATHAN SKAGGS
GEOLOGY
11370
LICENSED
PROFESSIONAL GEOSCIENTIST

Notes

1. cis-1,2-DCE = cis-1,2-dichloroethene.
2. PCLE = Protective Concentration Level Exceedance zone.
3. * = Measurement not used in contouring.
4. J = Estimated value; L = Biased low; Dup = Duplicate sample.
5. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
6. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).

GSI ENVIRONMENTAL

CIS-1,2-DICHLOROETHENE GROUNDWATER ISOCONCENTRATION MAP – B-ZONE – FOURTH QUARTER 2020

GSI Job No.	5452-008	Drawn By:	CDM
Issued:	23-Mar-2021	Chk'd By:	CDR
Map ID:	**010_08**	Appv'd By:	JMS

FIGURE 19

MW-10B <0.248
MW-4B <0.248
MW-12B <0.248
PSRW-1 <0.248
MW-19B <0.248
MW-116B <0.248
MW-6B <0.248
MW-25B <0.248
MW-5B <0.248
MW-7B <0.248
IG2-MW-1 <0.248
MW-24B <0.248
MW-108B <0.248
IG2-MW-3 <0.248
MW-14B <0.248/<0.248
MW-17B <0.248
IG2-MW-2 3.97
MW-26B <0.248
MW-21B <0.248
MW-118B <0.248
MW-117B <0.248
MW-119B <0.248
IG2-MW-4 <0.248/<0.248
MW-101B <0.248
MW-115B-R <0.248
IG3-MW-1 <0.248
MW-113B <0.248/<0.248
MW-120B <0.248/<0.248
MW-110B <0.248
MW-102B <0.248
MW-104B <0.248
MW-121B <0.248/<0.248
MW-126B 6.47
MW-100B <0.248
MW-143B <0.248/<0.248
MW-146B <0.248/<0.248
See Inset
MW-142B <0.248
MW-123B <0.248
MW-147B <0.248
MW-114B <0.248
IG4-MW-3 1.32 J
IG4-MW-2 18.2
MW-127B <0.248
MW-103B <0.248
MW-112B2 <0.248
MW-128B <0.248
MW-124B <0.248
MW-112B <0.248
MW-131B <0.248/<0.248
MW-132B <0.248/<0.248
MW-133B <0.248
MW-134B <0.248
MW-137B <0.248
MW-140B <0.248
MW-135B <0.248
MW-136B <0.248/<0.248
MW-138B <0.248
MW-139B <0.248

Inset

MW-109B <0.248
IG1-MW-1 4.14
MW-141B 140
IG1-MW-6B1 229
IG1-MW-3 8.11
IG1-MW-6B2 176
IG1-MW-2 41.7
MW-125B 0.921 J
IG1-MW-6B3 115
IG1-MW-7 0.377 J
IG1-MW-4 36.4
IG1-MW-5 6.35
IG1-RW-4 NS
MW-111B <0.248
IG4-MW-1 1.46 J
IG4-RW-1 Influent NS

Inset: 0 250 500 ft

Feet: 0 600 1,200

STATE OF TEXAS
JONATHAN SKAGGS
GEOLOGIST
11370
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PROFESSIONAL GEOSCIENTIST

LEGEND

- Monitoring well location
- 577 — Vinyl Chloride concentration (µg/L) ('<' sign indicates sample result is below the method detection limit (MDL))
- NS — Well was not sampled
- 100 — Vinyl Chloride isoconcentration contour (µg/L)
- 2 — Vinyl Chloride PCLE Zone (2 µg/L)

Notes

1. * = Measurement not used in contouring; µg/L = micrograms per liter; PCLE = Protective Concentration Limit Exceedance; J = Estimated value; L = sample result biased low; "/" = duplicate sample.
2. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
3. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).

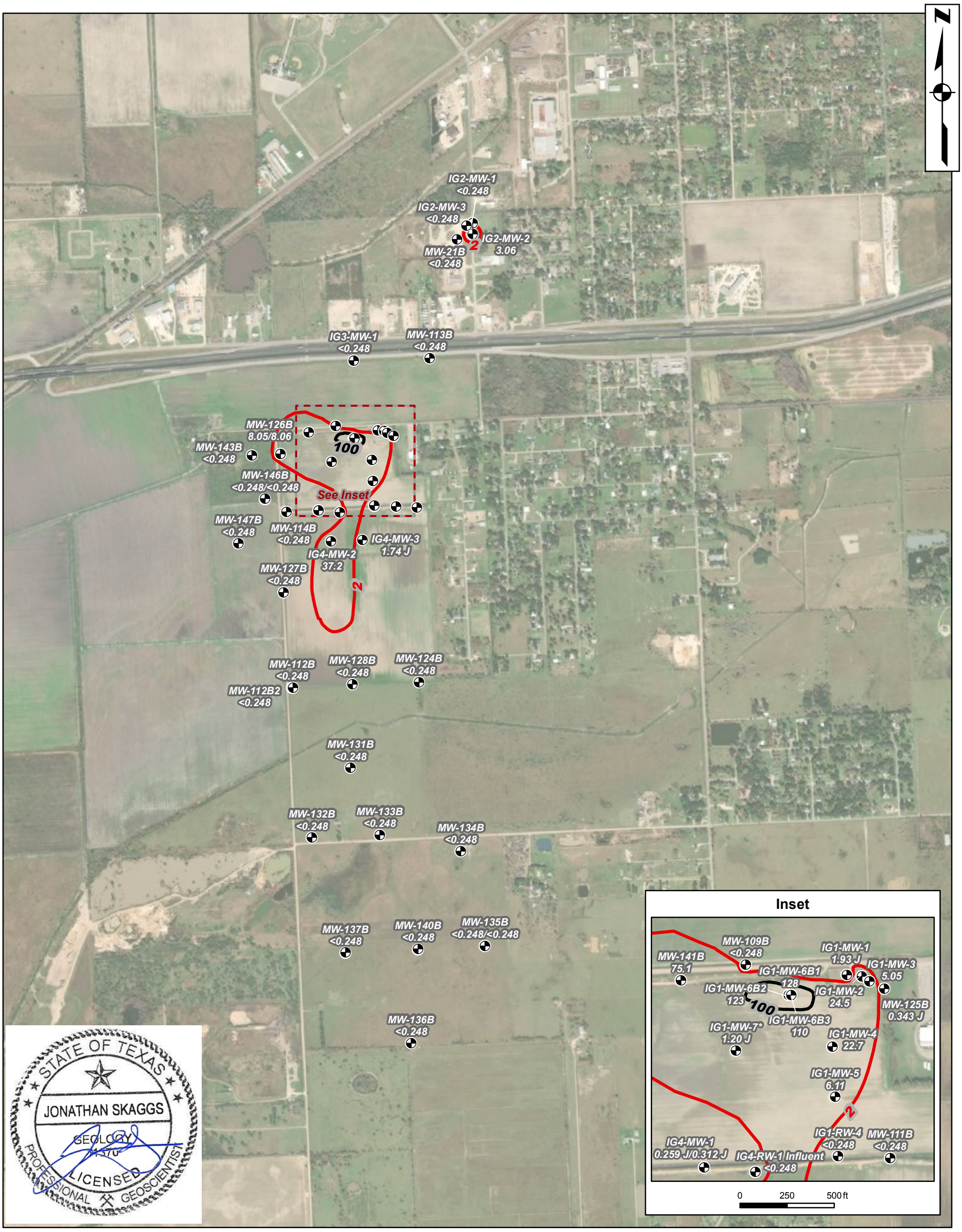
GSI ENVIRONMENTAL

VINYL CHLORIDE GROUNDWATER ISOCONCENTRATION MAP - B-ZONE FIRST QUARTER 2020

Former El Campo Aluminum Facility
El Campo, Texas

GSI Job No.	5452-001	Drawn By:	AV
Issued:	23-Mar-2021	Chk'd By:	ARD
Map ID:	008_06	Appv'd By:	JMS

FIGURE 20



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LEGEND

⊕	Monitoring well location
128	Vinyl Chloride concentration (µg/L) *('<' sign indicates sample result is below the method detection limit (MDL))*
NS	Well was not sampled
100	Vinyl Chloride isoconcentration contour (µg/L)
2	Vinyl Chloride PCLE Zone (2 µg/L)

Feet
0 600 1,200

Notes

1. * = Measurement not used in contouring; µg/L = micrograms per liter; PCLE = Protective Concentration Limit Exceedance; J = Estimated value; "/" = duplicate sample.
2. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
3. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).

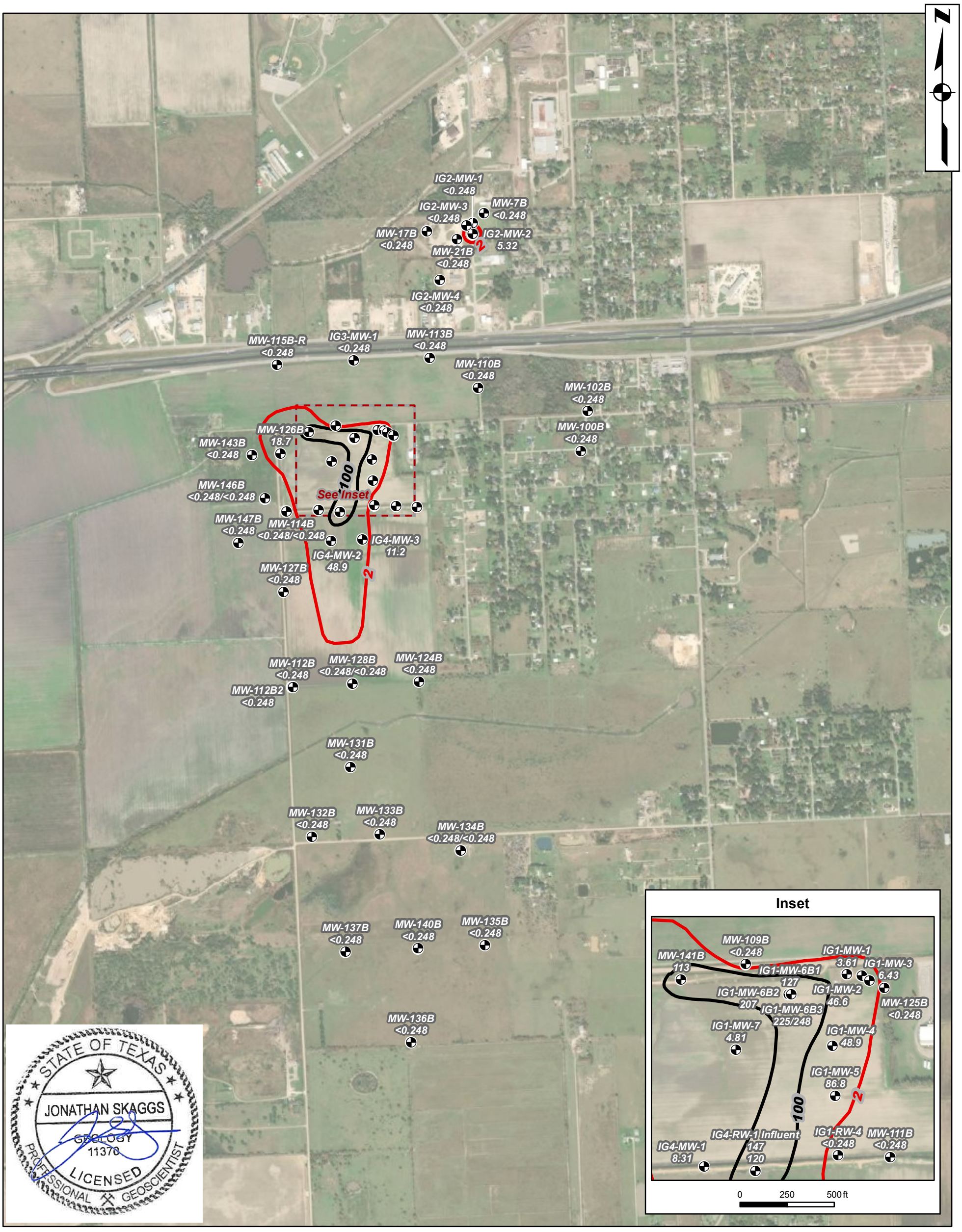
GSI ENVIRONMENTAL

VINYL CHLORIDE GROUNDWATER ISOCONCENTRATION MAP - B-ZONE SECOND QUARTER 2020

Former El Campo Aluminum Facility
El Campo, Texas

GSI Job No.	5452-001	Drawn By:	AV
Issued:	23-Mar-2021	Chk'd By:	ARD
Map ID:	**008_07**	Appv'd By:	JMS

FIGURE 21



LEGEND

◒	Monitoring well location
248	Vinyl Chloride concentration (µg/L) *('<' sign indicates sample result is below the method detection limit (MDL))*
NS	Well was not sampled
100	Vinyl Chloride isoconcentration contour (µg/L)
2	Vinyl Chloride PCLE Zone (2 µg/L)

Feet
0 600 1,200

Notes

1. * = Measurement not used in contouring; µg/L = micrograms per liter; PCLE = Protective Concentration Limit Exceedance; J = Estimated value; "/" = duplicate sample.
2. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
3. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).
4. IG4-RW-1 Influent sampled in 20 August and 15 September 2020.

GSI ENVIRONMENTAL

VINYL CHLORIDE GROUNDWATER ISOCONCENTRATION MAP - B-ZONE THIRD QUARTER 2020

Former El Campo Aluminum Facility
El Campo, Texas

GSI Job No.	5452-001	Drawn By:	AV
Issued:	23-Mar-2021	Chk'd By:	ARD
Map ID:	**008_08**	Appv'd By:	JMS

FIGURE 22

IG2-MW-1
<0.234
IG2-MW-3
<0.234
IG2-MW-2
4.67
MW-21B
<0.234
IG2-MW-4
<0.234
MW-115B-R
<0.234
IG3-MW-1
<0.234
MW-113B
<0.234
MW-126B
21.1/15.4
MW-143B
<0.234
100
MW-146B
<0.234
See Inset
MW-114B
<0.234
100
MW-147B
<0.234
IG4-MW-2
137
IG4-MW-3
43.3
MW-127B
<0.234
2
MW-112B
<0.234
MW-128B
<0.234
MW-124B
<0.234
MW-112B2
<0.234 JL
MW-131B
<0.234
MW-132B
<0.234
MW-133B
<0.234
MW-134B
<0.234/<0.234
MW-137B
<0.234
MW-140B
<0.234
MW-135B
<0.234
MW-136B
<0.234

Inset

MW-109B
<0.234
MW-141B
48.1
IG1-MW-1
4.01
IG1-MW-3
6.84
IG1-MW-6B1
130
IG1-MW-2
41
IG1-MW-6B2
152 D
MW-125B
<0.234
IG1-MW-6B3
187 D
100
IG1-MW-4
51.5
IG1-MW-7
5.30
IG1-MW-5
8.54
2
IG1-RW-4
<0.234
MW-111B
<0.234
IG4-MW-1*
1.40 J/1.35 J
IG4-RW-1 Influent
3.36
13.3

0 250 500 ft

STATE OF TEXAS
JONATHAN SKAGGS
GEOLOGY
11370
LICENSED
PROFESSIONAL GEOSCIENTIST

LEGEND

- Monitoring well location
- **180** Vinyl Chloride concentration (µg/L) *('<' sign indicates sample result is below the method detection limit (MDL))*
- **NS** Well was not sampled
- **100** Vinyl Chloride isoconcentration contour (µg/L)
- **2** Vinyl Chloride PCLE Zone (2 µg/L)

Feet
0 600 1,200

Notes

1. * = Measurement not used in contouring; µg/L = micrograms per liter; PCLE = Protective Concentration Limit Exceedance; J = Estimated value; L = sample result based low; D = dilution; "/" = duplicate sample.
2. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
3. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).
4. IG4-RW-1 Influent sampled in 18 February and 12 October 2020.

GSI ENVIRONMENTAL

VINYL CHLORIDE GROUNDWATER ISOCONCENTRATION MAP - B-ZONE FOURTH QUARTER 2020

Former El Campo Aluminum Facility
El Campo, Texas

GSI Job No.	5452-001	Drawn By:	AV
Issued:	23-Mar-2021	Chk'd By:	ARD
Map ID:	**008_09**	Appv'd By:	JMS

FIGURE 23

PSRW-1
0.234 JL
MW-10B
<0.138
MW-11B
NS
MW-6B
4.57
MW-12B
0.296 J
MW-4B
<0.138
MW-19B
<0.138
MW-25B
<0.138
MW-116B
<0.138
MW-24B
<0.138
IG2-MW-1
17.8
IG2-MW-3
141
MW-5B
0.590 J
MW-108B
0.373 J
MW-14B
14.3/16.1
MW-26B
<0.138
MW-17B
3.34
MW-7B
NS
MW-118B
0.455 J
IG2-MW-4
48.6 JL/44.4 JL
IG2-MW-2
6.66
MW-21B
35.6
MW-117B
3.33
MW-119B
0.516 J
MW-115B-R
NS
IG3-MW-1
292
MW-101B
<0.138
MW-113B
49.7/49.5
MW-120B
0.953 J/0.885 J
MW-104B
<0.138
MW-126B
4.89
MW-110B
1.53
MW-102B
0.280 J
MW-143B
2.25/2.33
MW-121B
0.965 J/1.05
MW-100B
<0.138
See Inset
MW-146B
13.4/14.5
MW-142B
7.05
MW-123B
<0.138
MW-114B
49.0
IG4-MW-3
372
MW-147B
<0.138
IG4-MW-2
196
IG4-RW-1 Influent
296
47.0
266
MW-127B
<0.138
MW-103B
<0.138
MW-112B2
<0.138
MW-124B
<0.138
MW-128B
87.3
MW-112B
<0.138
MW-131B
128/117
MW-133B
31.20
MW-132B
<0.138/0.158 J
MW-134B
4.55
MW-137B
<0.138
MW-140B
<0.138
MW-135B
1.77
MW-136B
<0.138/<0.138
MW-138B
<0.138
MW-139B
<0.138

Inset

MW-109B
451
IG1-MW-1
41.2
MW-141B
<0.138
IG1-MW-3*
<0.138
IG1-MW-6B1
0.296 J*
IG1-MW-6B2
2.02*
IG1-MW-2
4.62
MW-125B
77.9
IG1-MW-6B3
38.2*
IG1-MW-7
156
IG1-MW-4
23.5
IG1-MW-5
242
MW-111B
74.3
IG4-MW-1
577
IG-RW-4
112

0 250 500 ft

JONATHAN SKAGGS
GEOLOGY
14370
LICENSED
STATE OF TEXAS
PROFESSIONAL GEOSCIENTIST

LEGEND

- Monitoring well location
- 577 — TCE concentration (µg/L) *('<' sign indicates sample result is below the method detection limit (MDL))*
- NS — Well was not sampled
- 5 — 2020 TCE isoconcentration contour (µg/L)
- 5 — Approximate Plume Core (5 µg/L) For January/February/March 2020
- 5 — Approximate Plume Core (5 µg/L TCE) For January/February/March 2019
- 5 — Approximate Plume Core (5 µg/L TCE) For January/February/March 2018

Feet
0 600 1,200

Notes

1. * = Measurement not used in contouring; TCE = Trichloroethene; µg/L = micrograms per liter; PCLE = Protective Concentration Limit Exceedance; J = Estimated value; L = sample result biased low; "/" = duplicate sample.
2. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
3. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).
4. Approximate PCLE zone boundary contours from 2019 Annual Groundwater Monitoring Report, submitted by Wood Environment & Infrastructure Solutions, Inc. in April 2020,

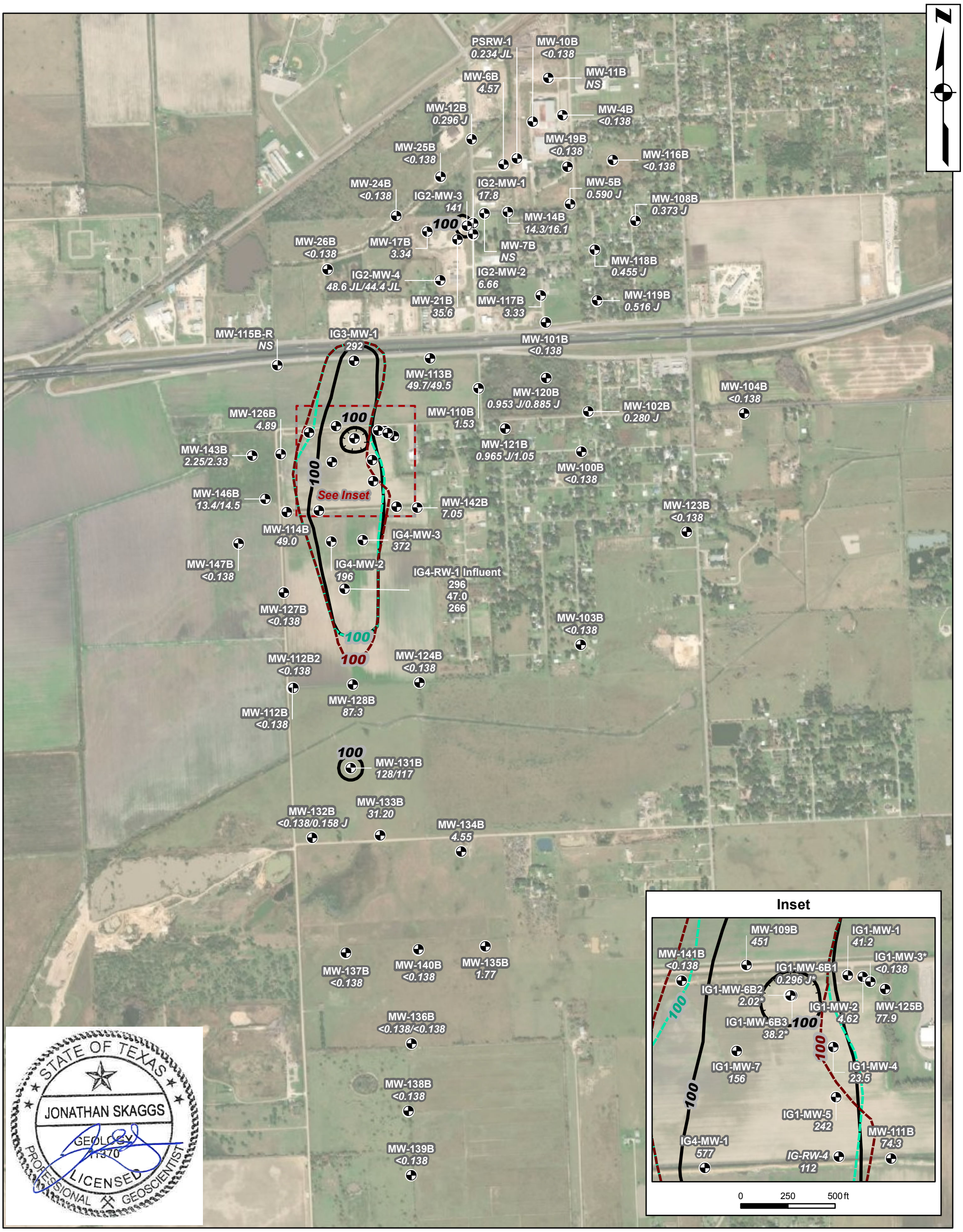
GSI ENVIRONMENTAL

TRICHLOROETHENE GROUNDWATER PCLE ZONE BETWEEN 2018 AND 2020 - B-ZONE

Former El Campo Aluminum Facility
El Campo, Texas

GSI Job No.	5452-001	Drawn By:	AV
Issued:	23-Mar-2021	Chk'd By:	ARD
Map ID:	**008_10**	Appv'd By:	JMS

FIGURE 24



LEGEND

- Monitoring well location
- **577** — TCE concentration (µg/L) *('<' sign indicates sample result is below the method detection limit (MDL))*
- **NS** — Well was not sampled
- **100** — 2020 TCE isoconcentration contour (µg/L)
- Approximate Plume Core (100 µg/L TCE) For January/February/March 2019
- Approximate Plume Core (100 µg/L TCE) For January/February/March 2018

Feet: 0 — 600 — 1,200

Notes

1. * = Measurement not used in contouring; TCE = Trichloroethene; µg/L = micrograms per liter; PCLE = Protective Concentration Limit Exceedance; J = Estimated value; L = sample result biased low; "/" = duplicate sample.
2. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
3. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).
4. Approximate PCLE zone boundary contours from 2019 Annual Groundwater Monitoring Report, submitted by Wood Environment & Infrastructure Solutions, Inc. in April 2020,

STATE OF TEXAS
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GEOLOGY
1370
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GSI ENVIRONMENTAL

TRICHLOROETHENE GROUNDWATER 100 MICROGRAMS PER LITER CONTOUR BETWEEN 2018 AND 2020 - B-ZONE

Former El Campo Aluminum Facility
El Campo, Texas

GSI Job No.	5452-001	Drawn By:	AV
Issued:	23-Mar-2021	Chk'd By:	ARD
Map ID:	**008_11**	Appv'd By:	JMS

FIGURE 25

LEGEND

- Monitoring well location
- *20.7* — TCE concentration (µg/L) *('<' sign indicates sample result is below the method detection limit (MDL))*
- 5 — TCE PCLE Zone (5 µg/L)

STATE OF TEXAS
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GEOLOGY
11370
LICENSED
PROFESSIONAL GEOSCIENTIST

Feet
0 600 1,200

Notes

1. TCE = Trichloroethene; µg/L = micrograms per liter; PCLE = Protective Concentration Limit Exceedance; J = Estimated value; L = sample result biased low; "/" = duplicate sample.
2. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
3. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).

GSI ENVIRONMENTAL

TRICHLOROETHENE GROUNDWATER ISOCONCENTRATION MAP - C-ZONE - FIRST QUARTER 2020

Former El Campo Aluminum Facility
El Campo, Texas

GSI Job No.	5452-001	Drawn By:	AV
Issued:	23-Mar-2021	Chk'd By:	ARD
Map ID:	**008_12**	Appv'd By:	JMS

FIGURE 26

LEGEND

- Monitoring well location
- *20.7* — TCE concentration (µg/L) *('<' sign indicates sample result is below the method detection limit (MDL))*
- 5 — Approximate Plume Core (5 µg/L) For January/February/March 2020
- 5 — Approximate Plume Core (5 µg/L) For January/February/March 2019
- 5 — Approximate Plume Core (5 µg/L) For January/February/March 2018

Feet
0 600 1,200

Notes

1. TCE = Trichloroethene; µg/L = micrograms per liter; J = Estimated value; L = sample result biased low; "/" = duplicate sample.
2. Background Imagery: ESRI World Imagery – 1m Color InfraRed NAIP Imagery. Modified 8/30/2019. Sources: Esri, DigitalGlobe, GeoEye, et al.
3. Projected Coordinate System: NAD 1983, StatePlane Texas South Central 4204 (feet).
4. Approximate PCLE zone boundary contours from 2019 Annual Groundwater Monitoring Report, submitted by Wood Environment & Infrastructure Solutions, Inc. in April 2020,

GSI ENVIRONMENTAL

TRICHLOROETHENE GROUNDWATER ISOCONCENTRATION MAP BETWEEN 2018 AND 2020 - C-ZONE

Former El Campo Aluminum Facility
El Campo, Texas

GSI Job No.	5452-001	Drawn By:	AV
Issued:	23-Mar-2021	Chk'd By:	ARD
Map ID:	**008_13**	Appv'd By:	JMS

FIGURE 27

GSI ENVIRONMENTAL

APPENDICES

Appendix A: Notification Certification and Table

Appendix B: Data Usability Summaries and Groundwater Analytical Laboratory Reports

APPENDIX A: NOTIFICATION CERTIFICATION AND TABLE

APPENDIX A

STATEMENT OF NOTIFICATION
2020 Annual Groundwater Monitoring Report
Former El Campo Aluminum Facility
El Campo, Texas

Pursuant to the Texas Risk Reduction Program (TRRP), Section 350.55(a) of the Texas Administrative Code, notification letters were sent via Certified U. S. Mail with Return Receipt Requested to off-site property owners listed in the attached table. The recipients own property in or near the affected groundwater zone described in the attached groundwater monitoring report.

Jonathan M. Skaggs, PG

SWORN TO AND SUBSCRIBED before me on this the 23 day of March 2021.

PAMELA C. BATSON
Notary Public, State of Texas
Comm. Expires 05-15-2022
Notary ID 129820700

Notary Public in and for State of Texas

GSI ENVIRONMENTAL

APPENDIX A
NOTIFICATION TABLE - PARTIES RECEIVING DIRECT NOTICE
Former El Campo Aluminum Facility
El Campo, Texas

No.	Property Owner Last Name	Property Owner First Name	Physical Property Address		Property Owner Mailing Address		Date of 2021 Notifification Letter
1	Allgayer	David W & Shara D	902 Gladys	El Campo, TX 77437	13031 FM 2546 Rd	El Campo, TX 77437	23 March 2021
2	Bard	Wayne A	CR 308	El Campo, TX 77437	1310 Linnwood	El Campo, TX 77437	23 March 2021
3	Bouligny & Mollnar	J & Leona	CR 303	El Campo, TX 77437	P.O. Box 1567	El Campo, TX 77437	23 March 2021
4	Cabrera	Manuel Diaz	1318 Muncy St.	El Campo, TX 77437	P.O. Box 8	Katy, TX 77492	23 March 2021
5	Capak	Gary and Raquel	100 Whitewing Trail	El Campo, TX 77437	100 Whitewing Trail	El Campo, TX 77437	23 March 2021
6	Cormier Qualified Personal Res Trt		26544 S Hwy 59	El Campo, TX 77437	915 Liberty	El Campo, TX 77437	23 March 2021
7	Dept of TX Veterans of Foreign Wars of the US		773 CR 306	El Campo, TX 77437	P.O. Box 14468	Austin, TX 78761	23 March 2021
8	Diamond Cleaning Equipment Co Inc		603 S Meadow Ln	El Campo, TX 77437	P.O. Box 1512	El Campo, TX 77437	23 March 2021
9	Dos Ninos LLC		601 S Meadow Ln	El Campo, TX 77437	P.O. Box 1645	El Campo, TX 77437	23 March 2021
10	Doyle Jr	Charles E	413 S Meadow Ln	El Campo, TX 77437	P.O. Box 1597	El Campo, TX 77437	23 March 2021
11	Ellis	Margaret	Thrift	El Campo, TX 77437	P.O. Box 1425	El Campo, TX 77437	23 March 2021
12	Everts	Tomi Jo	1218 John	El Campo, TX 77437	254 Brent	El Campo, TX 77437	23 March 2021
13	Gomez	Mateo & Yolanda	Murray Rd.	El Campo, TX 77437	721 Alice St.	El Campo, TX 77437	23 March 2021
14	Gulf Coast Ready Mix Co		720 and 722 S Meadow Ln	El Campo, TX 77437	P.O. Box 1031	El Campo, TX 77437	23 March 2021
15	Ronald & Livonne Gwosdz Life Estate		918 Palacios	El Campo, TX 77437	P.O. Box 1263	El Campo, TX 77437	23 March 2021
16	Hernandez	Eleazar M	S Meadow Ln	El Campo, TX 77437	P.O. Box 1021	El Campo, TX 77437	23 March 2021
17	Housing Authority of Cel West Side Housing		1303 Delta St.	El Campo, TX 77437	1303 Delta St.	El Campo, TX 77437	23 March 2021
18	Hubenak & Parrish	Reid N & Macy M	764 Kenwood Trail	El Campo, TX 77437	764 Kenwood Trail	El Campo, TX 77437	23 March 2021
19	Jawanda Transportation LLC		26700 US 59 HWY	El Campo, TX 77437	6623 East Nanaksar Dr.	Houston, TX 77041	23 March 2021
20	Johnson & Silliman	Helen & Gail	CR 303	El Campo, TX 77437	825 China Street	El Campo, TX 77437	23 March 2021
21	Knudsen	John F & Barbara	Whitewing Trail	El Campo, TX 77437	P.O. Box 1447	El Campo, TX 77437	23 March 2021
22	Martinez	Raul B & Norma A	104 Whitewing Trail	El Campo, TX 77437	P.O. Box 1456	El Campo, TX 77437	23 March 2021
23	Miller	Gabriel & Colleen	1948 FM 1163	El Campo, TX 77437	1948 FM 1163 Rd	El Campo, TX 77437	23 March 2021
24	Munoz	Donna	1319 John	El Campo, TX 77437	P.O. Box 444	El Campo, TX 77437	23 March 2021
25	Outdoor Depot LLC		408 S Meadow Ln	El Campo, TX 77437	P.O. Box 1574	El Campo, TX 77437	23 March 2021
26	Priesmeyer	Arthur A	CR 303	El Campo, TX 77437	2636 S SH 71 Hwy	El Campo, TX 77437	23 March 2021

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APPENDIX A
NOTIFICATION TABLE - PARTIES RECEIVING DIRECT NOTICE
Former El Campo Aluminum Facility
El Campo, Texas

No.	Property Owner Last Name	Property Owner First Name	Physical Property Address		Property Owner Mailing Address		Date of 2021 Notifification Letter
27	Reina Vincent J Family Trust 1991		1096 CR 306 and Hwy 59	El Campo, TX 77437	580 Maxim Dr.	Boling, TX 77420	23 March 2021
28	Renya	Remigia V	26514 Hwy 59	El Campo, TX 77437	26514 US 59 Lot 16	El Campo, TX 77437	23 March 2021
29	Rodriguez	Aaron R	Hwy 59	El Campo, TX 77437	3119 Produce Row	Houston, TX 77023	23 March 2021
30	Ryan Services Inc		26620 Hwy 59	El Campo, TX 77437	P.O. Box 348	El Campo, TX 77437	23 March 2021
31	Speedon Jr	Tom	S Meadow Ln	El Campo, TX 77437	2501 East Locust Ave	Victoria, TX 77901	23 March 2021
32	Stepan	Emil & Sandra	CR 406	El Campo, TX 77437	P.O. Box 304	El Campo, TX 77437	23 March 2021
33	Swanson	Wilbur Trte	CR 303	El Campo, TX 77437	4366 N SH 71 HWY	El Campo, TX 77437	23 March 2021
34	Swanson Et al.	Mrs C	Hwy 59 and S Meadow Ln	El Campo, TX 77437	4518 Waycross	Houston, TX 77035	23 March 2021
35	Swanson Et al.	Delbur C	CR 308	El Campo, TX 77437	2105 CR 351	El Campo, TX 77437	23 March 2021
36	Swedish Lutheran Cemetery		S Meadow Ln	El Campo, TX 77437	304 Oscar	El Campo, TX 77437	23 March 2021
37	TexOak Land LLC		S Meadow Ln	El Campo, TX 77437	8390 Bellaire Blvd	Houston, TX 77036	23 March 2021
38	Three Griffins LLC		Hwy 59	El Campo, TX 77437	P.O. Box 348	El Campo, TX 77437	23 March 2021
39	Von Tress	Lila Rae Bard	CR 303	El Campo, TX 77437	#2 Palm Place	Angleton, TX 77515	23 March 2021

GSI Job No. 5452
Issued: 31 March 2021

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APPENDIX B: DATA USABILITY SUMMARIES AND GROUNDWATER ANALYTICAL LABORATORY REPORTS