

Executive Summary

This Municipal Setting Designation (MSD) application is submitted for the designated property at 7721 Pinemont Dr., Houston, TX 77040 on behalf of Baker Hughes, the former property owner. The groundwater contamination beneath the property is the result of industrial activities, specifically related to the historical parts washer drain oil/water separator. The property is currently being used for industrial warehousing, and its current owner is 7721 Pinemont LLC. The Site is bordered by industrial properties to the west. The Site is bordered to the north by roadway (Pinemont Drive) and a mix of industrial, commercial, and office land use. The Site is bordered to the east by roadway (Clark Road), industrial and commercial properties. The Site is bordered to the south by industrial, commercial, and park/open space property. There are no known changes in planned future use of the Site and/or the properties in the vicinity of the Site.

Chemicals of Concern (COCs) in groundwater include tetrachloroethylene (PCE) and its daughter products/degradation byproducts: trichloroethylene (TCE), cis-1,2-dichloroethylene (cis-1,2-DCE), trans-1,2-dichloroethylene (trans-1,2-DCE), 1,1-dichloroethylene (1,1-DCE), and vinyl chloride (VC). This class of chemicals is generally referred to as chlorinated ethenes or chlorinated hydrocarbons. No non-aqueous phase liquid (NAPL) has been observed at the Site during groundwater monitoring, which has been ongoing since 2016.

The designated property has been in a State regulatory program since it was entered into the Texas Commission on Environmental Quality (TCEQ) Industrial and Hazardous Waste (IHW) Corrective Action Program on December 12, 2018. Its assigned Solid Waste Registration (SWR) ID is No. 88169. The applicable program rules are the Texas Risk Reduction Program (TRRP) rules (30 Texas Administrative Code (TAC) Chapter 350). Results of multiple subsurface investigations and ongoing semi-annual groundwater monitoring events have been submitted for the designated property and have been reviewed by the TCEQ. The status of the designated property in the IHW Corrective Action Program is “ongoing investigation and assessment”, and the TCEQ Corrective Action Program Project Manager assigned to the designated property is Timothy Brown.

During assessment efforts, exceedances of critical protective concentration levels (PCLs) in soil and groundwater were fully delineated to residential assessment levels (RALs), with the exception of those at MW-4, which is located on the west boundary of the property, hydraulically downgradient from neighboring industrial facilities, and hydraulically upgradient from the affected property on the Site. MW-4 is believed to be impacted by off Site sources, which is why no further delineation work was done. This assertion was supported by the TCEQ in the February 6, 2020, Affected Property Assessment Report (APAR) approval letter. Again, this area of contamination appears to be spatially limited, as groundwater from three adjacent wells downgradient from MW-4 (MW-7, MW-12, and MW-13) has had no detectable concentrations of chlorinated solvents over the 2016 through 2021 monitoring period.

Monitor well MW-1, located in the middle of the Site in the immediate area of the drainage outfall from the historical parts washer drain oil/water separator, has been identified as the on-Site source zone as described in the APAR (GHD, 2018) and Addendum to the APAR (GHD, 2019) which were approved by the TCEQ on February 6, 2020. This area of contamination appears to be spatially limited, as groundwater samples collected at a second well approximately 175 feet downgradient (monitor well MW-10) have not contained any appreciable concentrations of chlorinated solvents.

Baker Hughes and its consultants have completed routine groundwater monitoring events at the property since December 2016, and while no active remediation efforts have taken place, there appears to be credible evidence

of natural attenuation processes in the groundwater beneath the designated property. The primary lines of evidence for natural attenuation are: 1) a statistically significant decreasing trend for PCE concentrations in MW-1 for the most recent eight monitoring periods, 2) the presence of PCE daughter products in MW-1 (TCE, the isomers of DCE, and VC), and 3) decreasing concentrations of those daughter products, signaling complete reaction to ethene (which is not a regulated constituent).

In summary, the designated property meets all site eligibility requirements for the MSD program:

- The site is enrolled in a State cleanup program (TCEQ IHW Corrective Action under 30 TAC §350 TRRP Rules);
- The site has been thoroughly investigated with sufficient data, spanning from 2016 to present;
- The source of on-Site contamination is no longer in place;
- The on-Site groundwater plume has been delineated to the applicable RALs (i.e., groundwater ingestion (^{GW}GW_{Ing}) PCL);
- The COC plume is stable both in terms of spatial extent as well as average concentration of COCs over time.

Appendices

Appendix A

APPENDIX A

Provide a legal description of the boundaries of the designated property, including metes and bounds, and copy of the deed for the property. A professional surveyor currently registered with the Texas Board of Professional Surveying must certify that all property descriptions with metes and bounds are accurate.

The legal description of the subject property, property deed, and plat map of the metes and bounds survey (all provided by Doyle & Wachtstetter, Inc.), can be found on subsequent pages.



Doyle & Wachtstetter, Inc.

Surveying and Mapping • GPS/GIS • Pipeline Integrity
High Density 3D Laser Scanning • Robotic Imaging HD
Aerial Topographic Surveying • RTK/UAV Imagery • Lidar

**7721 PINEMONT, L.L.C., 7.5672 ACRE ENVIRONMENTAL RESTRICTION TRACT
WEATHERFORD HEMPSTEAD PINEMONT SUBDIVISION, RESTRICTED RESERVE "A"
WILLIAM C. WALLACE SURVEY, ABSTRACT 848
HARRIS COUNTY, TEXAS
PAGE 1 OF 4**

ALL THAT CERTAIN 7.5672 ACRE TRACT, lying and situated in the William C. Wallace Survey, Abstract 848, Harris County, Texas, being all that certain called 7.5706 acre tract of land conveyed by special warranty deed on February 10, 2017 from Baker Hughes Process and Pipeline Services LLC to 7721 Pinemont L.L.C., as recorded in Clerk's File No. 2017-64931 of the Harris County Official Records (H.C.O.R.), same being all that certain called 7.5706 acre Restricted Reserve "A", Block 1 of the Weatherford Hempstead Pinemont Subdivision, as recorded in Film Code No. 627066 of the Harris County Plat Records (H.C.P.R.), the herein described 7.5672 acre tract of land hereby conveyed, being more particularly described by metes and bounds, using survey terminology which refers to the Texas State Plane Coordinate System, South Central Zone (NAD83), in which the directions are Lambert grid bearings and the distances are surface level horizontal lengths (S.F.= 0.9999022766) as follows:

BEGINNING at a $\frac{5}{8}$ " iron rod with survey cap found marking the northwest corner of the aforementioned all that certain called 7.5706 acre tract of land conveyed by special warranty deed on February 10, 2017 from Baker Hughes Process and Pipeline Services LLC to 7721 Pinemont L.L.C., as recorded in Clerk's File No. 2017-64931 of the H.C.O.R. and the northwest corner of Restricted Reserve "A", Block 1 of the Weatherford Hempstead Pinemont Subdivision, as recorded in Film Code No. 627066 of the H.C.P.R., same being the northeast corner of all that certain called 0.7613 acre tract of land conveyed by special warranty deed on September 13, 1999 from ABCO Properties, Inc. to Ressler/Courtney/Pinemont, L.P., as recorded in Clerk's File No. T962623 of the H.C.O.R. and located in the southern right-of-way boundary line of the 80 foot wide Pinemont Drive, as recorded in Volume 156, Page 32 of the H.C.P.R., for the northwest corner of the herein described 7.5672 acre tract, said **Point of Beginning** being located at Texas State Plane coordinate position X=3075260.35 and Y=13869909.69;

THENCE North 84°31'14" East, coincident with the northern boundary line of said 7721 Pinemont L.L.C. called 7.5706 acre tract and the northern boundary line of Restricted Reserve "A", Block 1 of the Weatherford Hempstead Pinemont Subdivision called 7.5706 acre tract, same being the southern right-of-way boundary line of said Pinemont Drive, a distance of 167.48 feet to a $\frac{5}{8}$ " iron rod with survey cap marked "WPD 4467" set at the point of curvature to the right, having a radius of 1080.43 feet, for the point of curvature corner of the herein described 7.5672 acre tract;

THENCE along said curve to the right, coincident with the northern boundary line of said 7721 Pinemont L.L.C. called 7.5706 acre tract and the northern boundary line of Restricted Reserve "A", Block 1 of the Weatherford Hempstead Pinemont Subdivision called 7.5706 acre tract, same being the southern right-of-way boundary line of said Pinemont Drive, having a radius of 1080.43 feet, a central angle of 3°27'06", an arc length of 65.09 feet, a chord bearing of North 86°14'31" East and a chord distance of 65.08 feet to a $\frac{5}{8}$ " iron rod found marking the point of tangency of the herein described 7.5672 acre tract;

131 Commerce Street • Clute, Texas 77531-5601

Phone: 979-265-3622 • Fax: 979-265-9940 • Email: DW-Surveyor.com

Firm No. 10024500

**7721 PINEMONT, L.L.C., 7.5672 ACRE ENVIRONMENTAL RESTRICTION TRACT
WEATHERFORD HEMPSTEAD PINEMONT SUBDIVISION, RESTRICTED RESERVE "A"
WILLIAM C. WALLACE SURVEY, ABSTRACT 848
HARRIS COUNTY, TEXAS
PAGE 2 OF 4**

THENCE North 87°57'48" East, coincident with the northern boundary line of said 7721 Pinemont L.L.C. called 7.5706 acre tract and the northern boundary line of Restricted Reserve "A", Block 1 of the Weatherford Hempstead Pinemont Subdivision called 7.5706 acre tract, same being the southern right-of-way boundary line of said Pinemont Drive, a distance of 102.25 feet to a "X" scribed in concrete found marking the northwest corner of all that certain called 2.5569 acre tract of land conveyed by special warranty deed on January 31, 2007 from Industrial Suites, Pinemont, LP to Irene Kosturakis, as recorded in Clerk's File No. 2007-0071846 of the H.C.O.R., for the most northerly northeast corner of the herein described 7.5672 acre tract;

THENCE South 1°43'40" East, coincident with the eastern boundary line of said 7721 Pinemont L.L.C. called 7.5706 acre tract and the eastern boundary line of Restricted Reserve "A", Block 1 of the Weatherford Hempstead Pinemont Subdivision called 7.5706 acre tract, same being the western boundary line of said Irene Kosturakis called 2.5569 acre tract, at a distance of 10.40 feet pass a ¾" iron rod with survey cap found for reference corner, continuing for a total distance of 386.84 feet to ⅝" iron rod with survey cap marked "WPD 4467" set at the southwest corner of said Irene Kosturakis called 2.5569 acre tract, for an interior corner of the herein described 7.5672 acre tract;

THENCE North 85°25'51" East, coincident with the northern boundary line of said 7721 Pinemont L.L.C. called 7.5706 acre tract and the northern boundary line of Restricted Reserve "A", Block 1 of the Weatherford Hempstead Pinemont Subdivision called 7.5706 acre tract, same being the southern boundary line of said Irene Kosturakis called 2.5569 acre tract, a distance of 3.85 feet to a point from which a found ⅝" iron rod with survey cap bears S 11°11'51" E, a distance of 0.71 feet, for an angle corner of the herein described 7.5672 acre tract;

THENCE North 88°12'31" East, coincident with the northern boundary line of said 7721 Pinemont L.L.C. called 7.5706 acre tract and the northern boundary line of Restricted Reserve "A", Block 1 of the Weatherford Hempstead Pinemont Subdivision called 7.5706 acre tract, same being the southern boundary line of said Irene Kosturakis called 2.5569 acre tract, a distance of 284.90 feet to a ⅝" iron rod with survey cap found marking the southeast corner of said Irene Kosturakis called 2.5569 acre tract and located in the western right-of-way boundary line of the 100 foot wide Hollister Road, for the most easterly northeast corner of the herein described 7.5672 acre tract;

THENCE South 2°07'38" East, coincident with the eastern boundary line of said 7721 Pinemont L.L.C. called 7.5706 acre tract and the eastern boundary line of Restricted Reserve "A", Block 1 of the Weatherford Hempstead Pinemont Subdivision called 7.5706 acre tract, same being the western right-of-way boundary line of said Hollister Road, a distance of 220.14 feet to a ⅝" iron rod found marking the point of curvature to the right, having a radius of 2250.00 feet, for the point of curvature corner of the herein described 7.5672 acre tract;

THENCE along said curve to the right, coincident with the eastern boundary line of said 7721 Pinemont L.L.C. called 7.5706 acre tract and the eastern boundary line of Restricted Reserve "A", Block 1 of the Weatherford Hempstead Pinemont Subdivision called 7.5706 acre tract, same being the western right-of-way boundary line of said Hollister Road, having a radius of 2250.00 feet, a central angle of 3°40'22", an arc length of 144.23 feet, a chord bearing of South 1°13'46" West and a chord distance of 144.21 feet to a ⅝" iron rod with survey cap found marking the northeast corner of all that certain called 0.783 acre tract of land conveyed by general warranty deed on February 26, 1985 from Cleveland Bank & Trust to Merchants Park Bank, as recorded in Clerk's File No. J917148 of the H.C.O.R., for the most southerly southeast corner of the herein described 7.5672 acre tract;

**7721 PINEMONT, L.L.C., 7.5672 ACRE ENVIRONMENTAL RESTRICTION TRACT
WEATHERFORD HEMPSTEAD PINEMONT SUBDIVISION, RESTRICTED RESERVE "A"
WILLIAM C. WALLACE SURVEY, ABSTRACT 848
HARRIS COUNTY, TEXAS
PAGE 3 OF 4**

THENCE South 88°10'16" West, coincident with the southern boundary line of said 7721 Pinemont L.L.C. called 7.5706 acre tract and the southern boundary line of Restricted Reserve "A", Block 1 of the Weatherford Hempstead Pinemont Subdivision called 7.5706 acre tract, same being the northern boundary line of said Merchants Park Bank called 0.783 acre tract, a distance of 135.51 feet to a inaccessible point behind a chain-link and sheet metal fence line, for the most southerly southwest corner of the herein described 7.5672 acre tract;

THENCE North 2°08'41" West, coincident with the western boundary line of said 7721 Pinemont L.L.C. called 7.5706 acre tract and the western boundary line of Restricted Reserve "A", Block 1 of the Weatherford Hempstead Pinemont Subdivision called 7.5706 acre tract, same being the eastern boundary line of said Merchants Park Bank called 0.783 acre tract, a distance of 42.40 feet to a inaccessible point behind a chain-link and sheet metal fence line, for an interior corner of the herein described 7.5672 acre tract;

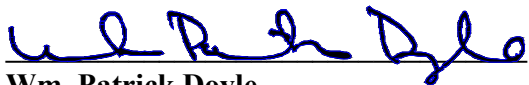
THENCE South 88°01'54" West, coincident with the southern boundary line of said 7721 Pinemont L.L.C. called 7.5706 acre tract and the southern boundary line of Restricted Reserve "A", Block 1 of the Weatherford Hempstead Pinemont Subdivision called 7.5706 acre tract, same being the northern boundary line of said Merchants Park Bank called 0.783 acre tract, a distance of 142.44 feet to a 5/8" iron rod found marking the northwest corner of said Merchants Park Bank called 0.783 acre tract and located in the eastern boundary line of all that certain called 9.1795 acre Restricted Reserve "A" of Furrow Addition, as recorded in Volume 326, Page 17 of the H.C.P.R., for an exterior corner of the herein described 7.5672 acre tract;

THENCE North 2°09'45" West, coincident with the western boundary line of said 7721 Pinemont L.L.C. called 7.5706 acre tract and the western boundary line of Restricted Reserve "A", Block 1 of the Weatherford Hempstead Pinemont Subdivision called 7.5706 acre tract, same being the eastern boundary line of said Restricted Reserve "A" called 9.1795 acre tract of Furrow Addition, a distance of 5.04 feet to a 5/8" iron rod with survey cap marked "WPD 4467" set at the northeast corner of said Restricted Reserve "A" called 9.1795 acre tract of Furrow Addition, for an interior corner of the herein described 7.5672 acre tract;

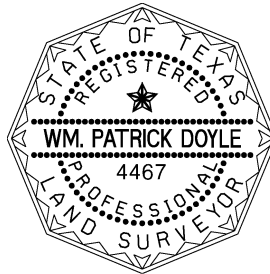
THENCE South 88°05'51" West, coincident with the southern boundary line of said 7721 Pinemont L.L.C. called 7.5706 acre tract and the southern boundary line of Restricted Reserve "A", Block 1 of the Weatherford Hempstead Pinemont Subdivision called 7.5706 acre tract, same being the northern boundary line of said Restricted Reserve "A" called 9.1795 acre tract of Furrow Addition, a distance of 329.34 feet to a scribed "X" in concrete found marking the southeast corner of all that certain called 0.8714 acre tract of land conveyed by special warranty deed on August 30, 2021 from Hilliard Retail, Ltd. to AGM Tools Holdings LLC, as recorded in Clerk's File No. 2021-496432 of the H.C.O.R., for the most westerly southwest corner of the herein described 7.5672 acre tract;

**7721 PINEMONT, L.L.C., 7.5672 ACRE ENVIRONMENTAL RESTRICTION TRACT
WEATHERFORD HEMPSTEAD PINEMONT SUBDIVISION, RESTRICTED RESERVE "A"
WILLIAM C. WALLACE SURVEY, ABSTRACT 848
HARRIS COUNTY, TEXAS
PAGE 4 OF 4**

THENCE North 2°31'30" West, coincident with the western boundary line of said 7721 Pinemont L.L.C. called 7.5706 acre tract and the western boundary line of Restricted Reserve "A", Block 1 of the Weatherford Hempstead Pinemont Subdivision called 7.5706 acre tract, same being the eastern boundary line of said AGM Tools Holdings LLC called 0.8714 acre tract and the residual portion of the Unrestricted Reserve "B" of the Hempstead – Pinemont Industrial Park, as recorded in Volume 156, Page 32 of the H.C.P.R., a distance of 691.14 feet to the **POINT OF BEGINNING**, containing 7.5672 acre of land, more or less.



Wm. Patrick Doyle
Registered Professional Land Surveyor
Texas Registration Number 4467
September 12, 2023



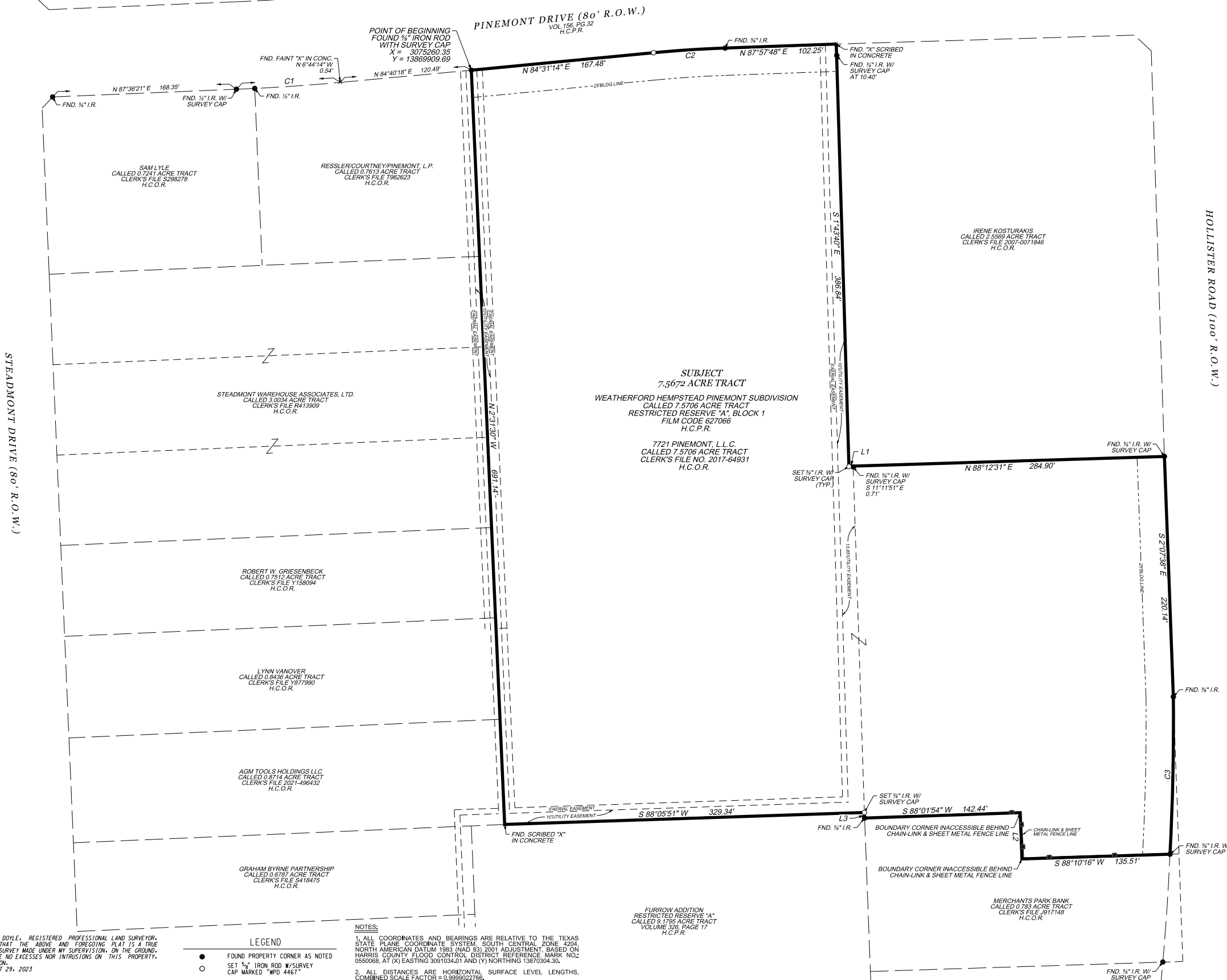
This description is based on a survey, a plat of which, dated August 29, 2023 is on file in the office of Doyle & Wachtstetter, Inc.
\\Legal\CRA-GHD\Legal Description 7721 Pinemont LLC 7.5672 Acre Environmental Deed Restriction Boundary Tract.doc

CURVE TABLE

CURVE #	DELTA	RADIUS	ARC DIST.	CHD. BRG.	CHD. DIST.
C1	2°57'15"	1846.80'	95.22'	N 86°14'13" E	95.21'
C2	3°27'06"	1080.43'	65.09'	N 86°14'31" E	65.08'
C3	3°40'22"	2250.00'	144.23'	S 1°13'46" W	144.21'

LINE TABLE

LINE #	BEARING	DISTANCE
L1	N 85°25'51" E	3.85'
L2	N 2°08'41" W	42.40'
L3	N 2°09'45" W	5.04'



SUBJECT
7.5672 ACRE TRACT
WEATHERFORD HEMPSTEAD PINEMONT SUBDIVISION
CALLED 7.5706 ACRE TRACT
RESTRICTED RESERVE "A", BLOCK 1
FILM CODE 627066
H.C.P.R.

7721 PINEMONT, L.L.C.
CALLED 7.5706 ACRE TRACT
CLERK'S FILE NO. 2017-64931
H.C.O.R.

SURVEY PLAT OF
7.5672 ACRE TRACT
BEING ALL THAT CERTAIN
WEATHFORD HEMPSTEAD
PINEMONT SUBDIVISION
CALLED 7.5706 ACRE TRACT
RESTRICTED RESERVE "A", BLOCK 1
AS RECORDED IN
FILM CODE NO. 627066
OF THE
HARRIS COUNTY PLAT RECORDS
IN THE
WILLIAM C. WALLACE SURVEY
ABSTRACT 848
HARRIS COUNTY, TEXAS
FOR
GHD
7721 PINEMONT DRIVE

NOTES:

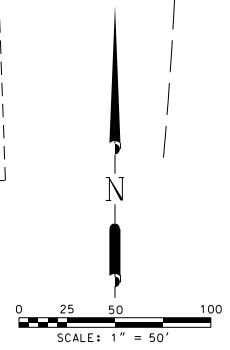
- ALL COORDINATES AND BEARINGS ARE RELATIVE TO THE TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, 4204, NORTH AMERICAN DATUM 1983 (NAD 83) 2001 ADJUSTMENT, BASED ON HARRIS COUNTY FLOOD CONTROL DISTRICT REFERENCE MARK NO. 0550088, AT (X) EASTING 3061034.01 AND (Y) NORTHING 13870304.30.
- ALL DISTANCES ARE HORIZONTAL SURFACE LEVEL LENGTHS, COMBINED SCALE FACTOR = 0.9999022766.
- THIS SURVEY DID NOT RELY ON A CURRENT TITLE COMMITMENT. THE INFORMATION CONTAINED ON THIS SURVEY WAS COMPILED FROM DATA BOTH PRIVATE AND PUBLIC FROM THE HARRIS COUNTY COURTHOUSE RESEARCHED BY AUTHOR. IT DOES NOT REPRESENT A COMPLETE DEED RESEARCH AND THIS PROPERTY MAY BE SUBJECT TO ADDITIONAL EASEMENT ENCUMBRANCES, RESTRICTIVE COVENANTS, OF OWNERSHIP TITLE EVIDENCE THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.
- THIS PLAT IS ACCOMPANIED BY A METES AND BOUNDS DESCRIPTION ON FILE IN THE OFFICE OF DOYLE & WACHTSTETTER, INC. DATED: SEPTEMBER 12, 2023.

LEGEND

- FOUND PROPERTY CORNER AS NOTED
- SET 5/8" IRON ROD W/ SURVEY CAP MARKED "WPD 4467"
- SUBJECT PROPERTY LINE
- - - TRACT LINE
- - - EASEMENT LINE
- ▬ CHAIN-LINK FENCE
- H.C.D.R. HARRIS COUNTY DEED RECORDS
- H.C.O.R. HARRIS COUNTY OFFICIAL RECORDS
- H.C.P.R. HARRIS COUNTY PLAT RECORDS

I, **WM. PATRICK DOYLE**, REGISTERED PROFESSIONAL LAND SURVEYOR, DO HEREBY CERTIFY THAT THE ABOVE AND FOREGOING PLAT IS A TRUE REPRESENTATION OF A SURVEY MADE UNDER MY SUPERVISION, ON THE GROUND, AND THAT THERE ARE NO EXCESSES NOR INTRUSIONS ON THIS PROPERTY, EXCEPT AS SHOWN HEREON.
DATE SURVEYED: AUGUST 29, 2023

WM. PATRICK DOYLE
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NUMBER 4467
THIS IS NOT A VALID COPY OF THIS SURVEY IF THE AUTHOR'S SIGNATURE IS NOT IN RED



Doyle & Wachtstetter, Inc.
Surveying and Mapping GPS/GIS
131 COMMERCE STREET, CLUTE, TEXAS 77531
OFFICE: 979.265.3622 FIRM NO.: 10024500 FAX: 979.265.9940
SURVEYED: JAP 8-29-23 | BOOK No.: JAP VOL. 44 | PROJ. NO.: 15578-23-03
DRAWN BY: WPD 9-01-23 | CHECKED: WPD 9-12-23 | REVISED: NONE

USE: United Workspace TIME: 9:37:57 AM
C:\DGN\CRA - GHD\Baker Hughes Houston_7721 Pinemont Drive_Survey Plat 7.5672 Acre Weatherford Hempstead Pinemont Subdivision Restricted Reserve A at 7721 Pinemont Drive in Houston.dgn

NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OR ALL OF THE FOLLOWING INFORMATION FROM ANY INSTRUMENT THAT TRANSFERS AN INTEREST IN REAL PROPERTY BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER.

SPECIAL WARRANTY DEED

THE STATE OF TEXAS

COUNTY OF HARRIS

§
§ KNOW ALL MEN BY THESE PRESENTS:
§

THAT **BAKER HUGHES PROCESS AND PIPELINE SERVICES LLC**, a Delaware limited liability company ("Grantor"), for TEN DOLLARS (\$10.00) and other good and valuable consideration paid to Grantor by **7721 PINEMONT, L.L.C.**, a Texas limited liability company ("Grantee"), the receipt and sufficiency of which consideration are hereby acknowledged and confessed by Grantor, has GRANTED, BARGAINED, SOLD, and CONVEYED, and by these presents does GRANT, BARGAIN, SELL, and CONVEY, unto Grantee, with special warranty covenants, that certain 7.565 acre tract or parcel of real property together with all improvements situated thereon, located in Harris County, Texas, and more particularly described on Exhibit A, attached hereto and made a part hereof for all purposes (the "Property").

This Special Warranty Deed (this "Deed") is expressly made subject to all validly existing restrictions, covenants, conditions, rights-of-way, easements, ordinances, maintenance charges and liens securing said charges, mineral reservations, and royalty reservations, of record, if any, affecting all or any part of the Property.

TO HAVE AND TO HOLD the Property, together with all and singular the rights and appurtenances thereunto in anywise belonging, unto Grantee, Grantee's successors and assigns, forever; and Grantor does hereby bind Grantor, Grantor's successors and assigns, to WARRANT and FOREVER DEFEND all and singular the Property unto Grantee, Grantee's, successors and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof, by, through, or under Grantor, but not otherwise; subject, however, to the matters set forth herein.

GRANTEE, BY ITS ACCEPTANCE OF THIS DEED, ACKNOWLEDGES THAT IT HAS INSPECTED THE PROPERTY AND HAS SATISFIED ITSELF AS TO THE CONDITION OF SAME AND THAT IT ACCEPTS THE PROPERTY "AS IS" AND "WHERE IS" AND WITH ALL FAULTS, WITHOUT REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESSED, IMPLIED, STATUTORY OR OTHERWISE, INCLUDING SPECIFICALLY, WITHOUT LIMITATION, ANY WARRANTY AS TO HABITABILITY, SUITABILITY, MERCHANTABILITY, CONDITION OR FITNESS FOR A PARTICULAR PURPOSE, SAVE AND EXCEPT THE SPECIAL WARRANTY OF TITLE CONTAINED HEREIN OR AS OTHERWISE PROVIDED IN THE AGREEMENT OF PURCHASE AND SALE BETWEEN GRANTOR, AS SELLER, AND GRANTEE, AS PURCHASER.

Grantor warrants payment of all ad valorem taxes on the Property through calendar year 2016. Such taxes for the current year have been prorated as of the date of delivery hereof and

RP-2017-64931

Grantee assumes and agrees to pay such ad valorem taxes in full.

EXECUTED on the date of the acknowledgement set forth below, to be effective as of the ^{10th} day of February, 2017.

Grantee's Address:

7721 Pinemont, LLC
Attn: Roy Sorsby
7721 Pinemont Drive
Houston, Texas 77040

GRANTOR:

**BAKER HUGHES PROCESS AND
PIPELINE SERVICES LLC,**
a Delaware limited liability company

By: [Signature]
Name: Troy Clark
Title: PRESIDENT

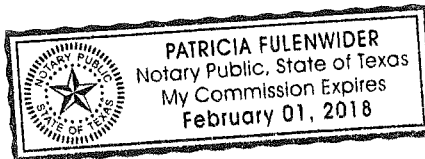
THE STATE OF TEXAS

COUNTY OF HARRIS

§
§
§

This instrument was acknowledged before me on the 10th day of February, 2017, by Troy Clark, President of Baker Hughes Process and Pipeline Services, LLC, a Delaware limited liability company, on behalf of said company.

Patricia Fulenwider
Notary Public in and for
the State of Texas



RP-2017-64931

Exhibit A

Property Description

Restricted Reserve "A", Block 1, of WEATHERFORD HEMPSTEAD PINEMONT SUBDIVISION, a subdivision in Harris County Texas, according to the map or plat thereof recorded under Film Code Reference No. 627066 of the Map Records of Harris County, Texas.

RP-2017-64931

Permitted Exceptions

1. Real estate taxes and installments of assessments (and liens therefor) on the Property for the year of closing and subsequent years.
2. Restrictive covenants recorded in Volume 156, Page 32, and under Film Code No. 627066, both of the map records of Harris County, Texas, but omitting any covenant, condition, or restriction, if any, based on race, color, religion, sex, handicap, familial status or national origin unless and to the extent that the covenant, condition, or restriction (a) is exempt under Title 42 of the United States Code or (b) relates to handicap but does not discriminate against handicapped persons.
3. Utility easement ten (10) feet wide along the West property line, together with an unobstructed aerial easement five (5) feet wide from a plane twenty (20) feet above the ground upward, granted to Houston Lighting & Power Company by instruments filed for record under Harris County Clerk's File Nos. F552568 and F758382, as shown by the recorded plat filed under Film Code No. 627066 of the Map Records of Harris County, Texas.
4. Utility easement ten (10) feet wide along the most Southerly property line, together with an unobstructed aerial easement five (5) feet wide from a plane twenty (20) feet above the ground upward, granted to Houston Lighting & Power Company by instrument recorded in Volume 8514, Page 491, of the Deed Records of Harris County, Texas, as shown by the recorded plat filed under Film Code No. 627066 of the Map Records of Harris County, Texas.
5. Utility easement ten (10) feet wide along the most westerly East property line and extending in a Southerly direction the entire length thereof, together with an unobstructed aerial easement five (5) feet wide from a plane twenty (20) feet above the ground upward, granted to Houston Lighting & Power Company by instrument recorded in Volume 8514, Page 491, of the Deed Records of Harris County, Texas, as shown by the recorded plat filed under Film Code No. 627066 of the Map Records of Harris County, Texas.
6. An unobstructed aerial easement five (5) feet wide from a plane twenty (20) feet above the ground upward, located west of and adjoining the most westerly East line of the subject property, extending in a southerly direction from Pinemont Street 140 feet to a point for terminus, granted to Houston Lighting & Power Company by instrument recorded in Volume 6642, Page 265, of the Deed Records of Harris County, Texas, as shown by the recorded plat filed under Film Code No. 627066 of the Map Records of Harris County, Texas.
7. Building and set back line 25 feet wide along the North property line(s) abutting Pinemont Drive, as shown by the recorded plat filed under Film Code No. 627066 of the Map Records of Harris County, Texas.
8. Building set back line 25 feet wide along the southerly East property line(s) abutting Hollister Road, as shown by the recorded plat filed under Film Code No. 627066 of the Map Records of Harris County, Texas.
9. Terms, conditions, and stipulations contained in that certain Boundary Line Agreement by and between J.P. Hildenbrandt and A.G. Solleberger, dated December 13, 1966, recorded in Volume 6607, Page 401, of the Deed Records of Harris County, Texas.

10. Mineral and/or royalty interest recorded May 14, 1945 in Volume 1766, Page 712, of the Deed Records of Harris County, Texas.

11. Survey prepared by EBY Survey, Inc., on behalf of Old Republic Specialized Commercial Services, dated November 4, 2016, Project No. 01-16070838-01N, reveals the following: chain link fence is outside of west property line by 3.5 feet.

RP-2017-64931

RP-2017-64931

RP-2017-64931

Pages 6

02/15/2017 07:36 AM

e-Filed & e-Recorded in the

Official Public Records of

HARRIS COUNTY

STAN STANART

COUNTY CLERK

Fees \$32.00

RECORDERS MEMORANDUM

This instrument was received and recorded electronically and any blackouts, additions or changes were present at the time the instrument was filed and recorded.

Any provision herein which restricts the sale, rental, or use of the described real property because of color or race is invalid and unenforceable under federal law.

THE STATE OF TEXAS
COUNTY OF HARRIS

I hereby certify that this instrument was FILED in File Number Sequence on the date and at the time stamped hereon by me; and was duly RECORDED in the Official Public Records of Real Property of Harris County, Texas.



Stan Stanart

COUNTY CLERK
HARRIS COUNTY, TEXAS

Appendix B

APPENDIX B

A description of the current use, and, to the extent known, the anticipated use(s), of the designated property and properties within 500 feet of the boundary of the designated property.

The designated property (the Site) consists of an approximately 7.57-acre tract of land located at 7721 Pinemont Dr., Houston, TX 77040 (Harris County). The Site is improved with an approximately 66,818 square foot light industrial building with warehouse and office space. The Site is bordered by industrial properties to the west. The Site is bordered to the north by roadway (Pinemont Drive) and a mix of industrial, commercial, and office land use. The Site is bordered to the east by roadway (Clark Road), industrial and commercial properties. The Site is bordered to the south by industrial, commercial, and park/open space property. There are no known changes in planned future use of the Site and/or the properties in the vicinity of the Site. Underground public utilities are located within City of Houston rights-of-way (ROWS) to the north (water main, storm sewer, and sanitary sewer) and east of the Site (water main and sanitary sewer).

Appendix C

APPENDIX C

A site map(s) showing:

- a. The location of the designated property.*
- b. The topography of the designated property as indicated on publicly available sources, which must note the watershed including the nearest surface water body and whether the designated property is located in a floodplain or floodway, as those terms are defined in Chapter 19 of the Code of Ordinances.*
- c. The detected area of groundwater contamination.*
- d. The location of all soil sampling locations and all groundwater monitoring wells.*
- e. Groundwater gradients, to the extent known, and direction of groundwater flow.*
- f. The ingestion protective concentration level exceedance zone for each contaminate of concern, to the extent known.*
- g. Depth to groundwater for each affected zone.*

See attached figures:

Appendix C-a – Site Location Map

Appendix C-b – Site Topography and Floodplain Map (FIRM Panel No. 48201C0635M, June 9, 2014)

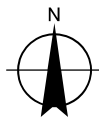
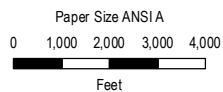
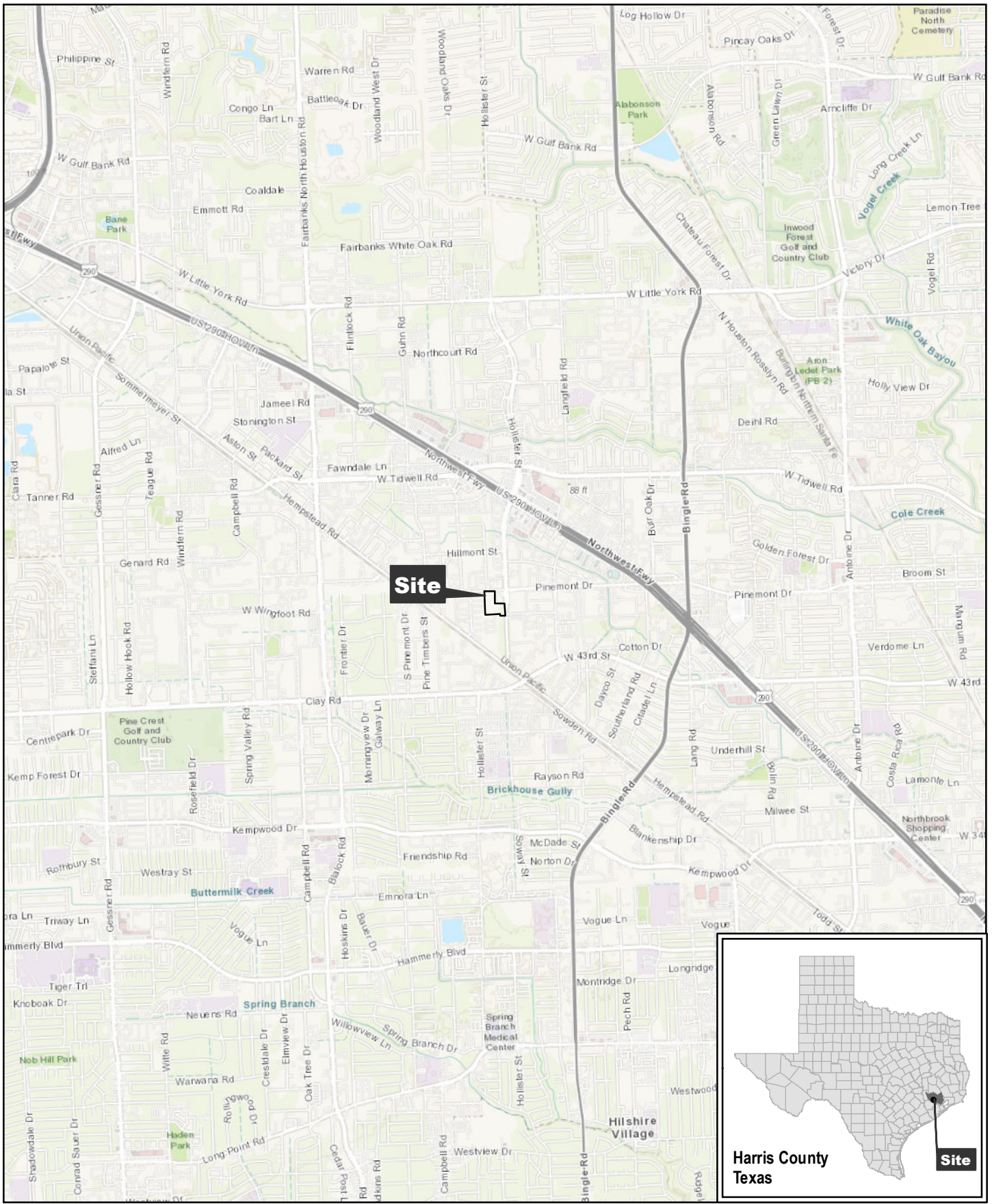
Appendix C-c – Detected Area of Groundwater Contamination

Appendix C-d – Sample Location Map (All Soil Borings and Groundwater Monitoring Wells)

Appendix C-e – Groundwater Potentiometric Surface Map June 2023

Appendix C-f – Ingestion Protective Concentration Level Exceedance Zone Map

Appendix C-g – Depth to Groundwater Map



**FORMER BAKER HUGHES PROCESS AND
PIPELINE SERVICES FACILITY
7721 PINEMONT DRIVE, HOUSTON, TEXAS
MSD APPLICATION**

Project No. **11222312**
Date **Dec 4, 2023**

Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet

SITE LOCATION MAP

APPENDIX C-a

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or Floodway Data have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only to landward of 0.0 North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study Report for the jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures in this jurisdiction.

The projection used in the preparation of this map was Universal Transverse Mercator, Zone 15. The horizontal datum was NAD83, GRS80 spheroid. Differences in datum, spheroid, projection or datum may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov> or contact the National Geodetic Survey at the following address:

NGS Information Services
 NOAA, NIMS12
 National Geodetic Survey
 SSMC-3, #9202
 1315 East-West Highway
 Silver Spring, Maryland 20910-2922
 (301) 713-3242

To obtain current elevation, description, and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit their website at <http://www.ngs.noaa.gov>.

Base map information shown on this FIRM was provided in digital format by the Harris Galveston Area Council and was revised and enhanced by Harris County.

This map reflects more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this jurisdiction. The floodways and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed Map Index for an overview map of the county showing the layout of map sheets, community map repository addresses, and a listing of Communities Under National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

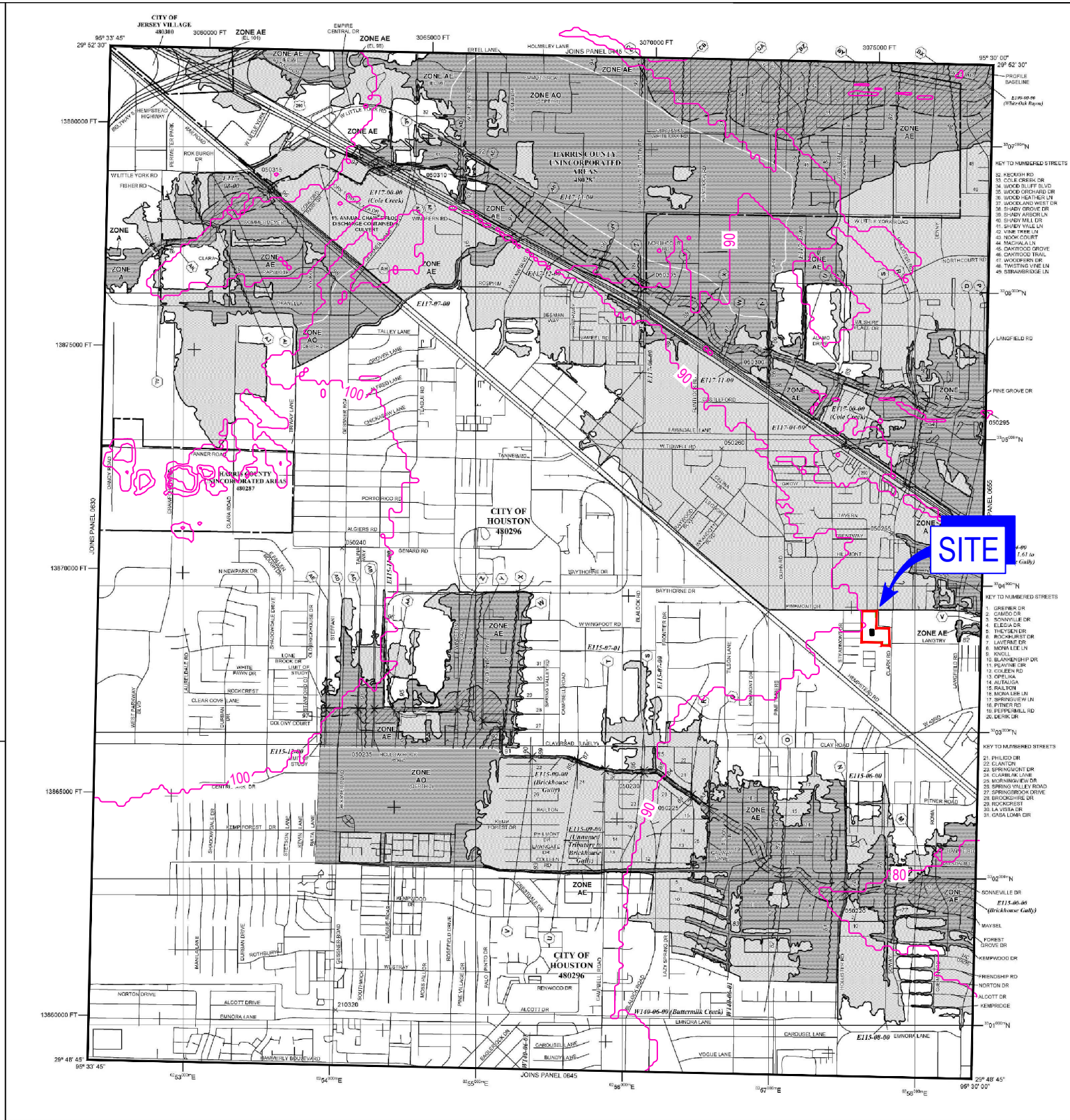
For information on available products associated with this FIRM visit the FEMA Map Service Center (MSC) website at <http://msc.fema.gov>. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the MSC website.

If you have questions about this map, how to order products or the National Flood Insurance Program in general, please call the FEMA Map Information eChange (FMIX) at 1-877-FEMA-MAP (1-877-335-2627) or visit the FEMA website at <http://www.fema.gov/business/fmifp>.

Vertical Datum Adjustment due to subsidence is the 2001 adjustment.

Benchmarks shown on this map were provided by either Harris County or the National Geodetic Survey. To obtain elevation, description, and location information for benchmarks provided by Harris County, please contact the Permit Office of the Public Infrastructure Department at (713) 959-3000 or visit their website at <http://www.eng.hctx.net/permits/>. For information regarding the benchmarks provided by the National Geodetic Survey, please see note above.

Some bridges and other structures shown on the detailed studied streams are not labeled. See corresponding flood profile for appropriate name.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood) also shown as the base flood is the flood that has a 1% chance of being equaled or exceeded in any given year. This Special Flood Hazard Area is the area bounded by the 1% annual chance flood. Areas of Special Flood Hazard include Zones AE, AO, AR, AV, V and VE. The Base Flood Elevation is the water surface elevation of the 1% annual chance flood.

ZONE AE Base Flood Elevation determined.
ZONE AO Flood depths of 1 to 3 feet (usually above flow on dunes, ridges, mounds, etc.) are shown. For areas of Special Flood Hazard, flood depths are determined by the 1% annual chance flood.

ZONE AR Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently determined to be inoperable. For areas of Special Flood Hazard, flood depths are determined by the 1% annual chance flood.

ZONE AV Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevation determined.

ZONE V Coastal Flood zone with velocity hazard (wave action); no Base Flood Elevation determined.

ZONE VE Coastal Flood zone with velocity hazard (wave action); Base Flood Elevation determined.

FLOODWAY AREAS IN ZONE AE

The Floodway is the channel of a stream plus any adjacent floodway areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot with average areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE A Areas determined to be outside the 0.2% annual chance floodplain. Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

Floodplain boundary
 Floodway boundary
 Zone boundary
 SFHA and OPA boundary
 Boundary of Special Flood Hazard Area Zones and boundary of Special Flood Hazard Areas of different Base Flood Elevation, flood depths or flood velocities
 Base Flood Elevation line and value; elevation in feet
 Base Flood Elevation value; where uniform within area:
 (ELEV) in feet
 (ELEV) in feet

Reference to the North American Vertical Datum of 1988
 Cross-section line
 Traverse line
 Culvert, Flume, Weir, or Aperture
 Road or railroad grade
 Footbridge
 Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
 100-meter Universal Transverse Mercator grid values, zone 15
 500-foot grid ticks: Texas State Plane coordinate system, zone South Central (SPS2002 4254), Lambert Conformal Conic Projection
 Bench mark (see explanation in Notes to Users section of this FIRM panel)
 *F15

MAP REVISIONS
 Refer to Map Revisions for this FIRM.
 EFFECTIVE DATES OF REVISIONS TO THIS PANEL:
 SEPTEMBER 30, 1992
 NOVEMBER 6, 1976
 W/15-01-0001
 JUNE 18, 2007
 OCTOBER 18, 2003
 JUNE 9, 2014

For accompanying Reasons for Revision, refer to the Notes to Users section of the Flood Insurance Study Report.
 For community map revision history prior to community mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.
 To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-525-6620.

MAP SCALE 1" = 1000'

PANEL 0635M

FIRM
FLOOD INSURANCE RATE MAP
HARRIS COUNTY, TEXAS
AND INCORPORATED AREAS

PANEL 635 OF 1150
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS

COMMUNITY	NUMBER	PANEL	DATE
HARRIS COUNTY	40037	635	M
HARRIS COUNTY, INCORPORATED AREAS	40036	635	M
HOUSTON, CITY OF	40030	635	M

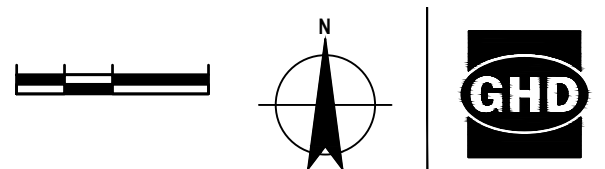
MAP NUMBER
48201C0635M

MAP REVISED
JUNE 9, 2014

Federal Emergency Management Agency

LEGEND

GROUND SURFACE ELEVATION CONTOUR
 (SOURCE: HOUSTON-GALVESTON AREA COUNCIL)

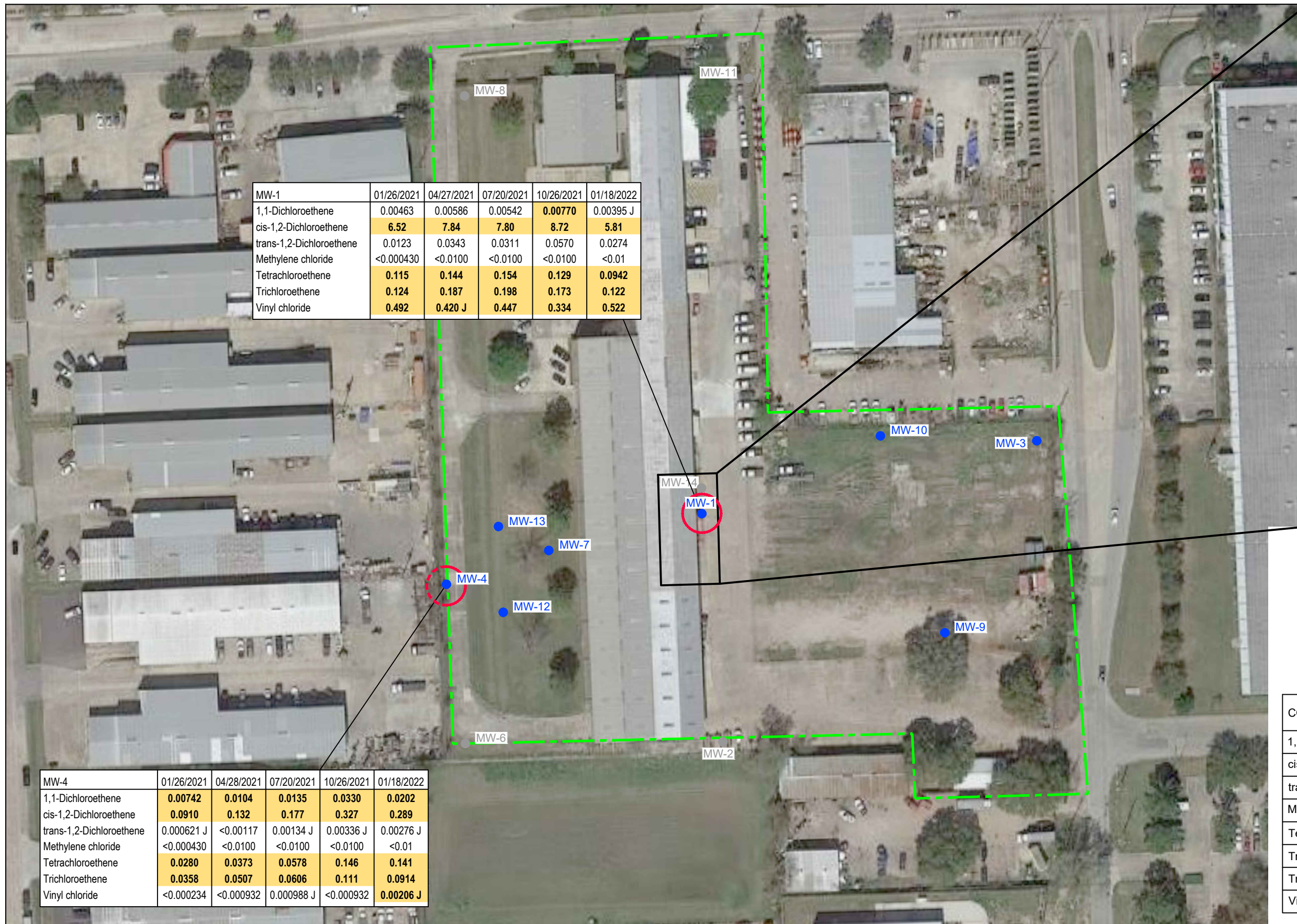


FORMER BAKER HUGHES PROCESS AND PIPELINE SERVICES FACILITY
7721 PINEMONT DRIVE, HOUSTON, TEXAS
MSD LOCATION

SITE TOPOGRAPHY AND FLOODPLAIN MAP

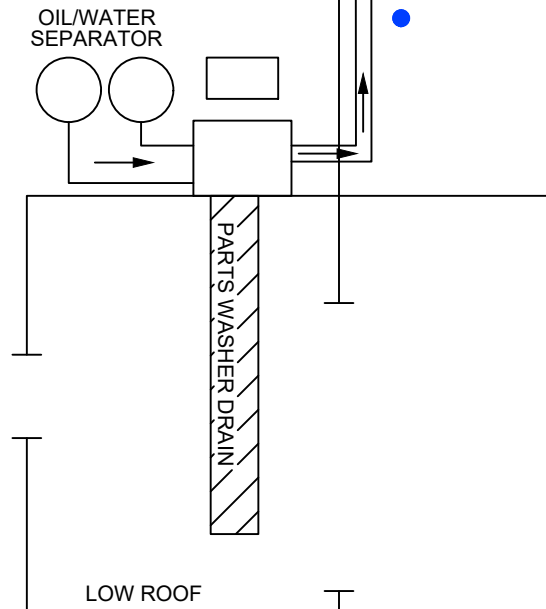
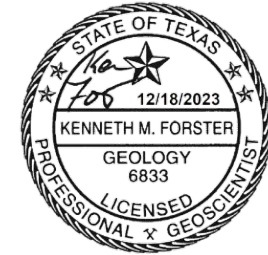
Project No. 11222312
 Date December 2023

APPENDIX C-b



MW-1	01/26/2021	04/27/2021	07/20/2021	10/26/2021	01/18/2022
1,1-Dichloroethene	0.00463	0.00586	0.00542	0.00770	0.00395 J
cis-1,2-Dichloroethene	6.52	7.84	7.80	8.72	5.81
trans-1,2-Dichloroethene	0.0123	0.0343	0.0311	0.0570	0.0274
Methylene chloride	<0.000430	<0.0100	<0.0100	<0.0100	<0.01
Tetrachloroethene	0.115	0.144	0.154	0.129	0.0942
Trichloroethene	0.124	0.187	0.198	0.173	0.122
Vinyl chloride	0.492	0.420 J	0.447	0.334	0.522

MW-4	01/26/2021	04/28/2021	07/20/2021	10/26/2021	01/18/2022
1,1-Dichloroethene	0.00742	0.0104	0.0135	0.0330	0.0202
cis-1,2-Dichloroethene	0.0910	0.132	0.177	0.327	0.289
trans-1,2-Dichloroethene	0.000621 J	<0.00117	0.00134 J	0.00336 J	0.00276 J
Methylene chloride	<0.000430	<0.0100	<0.0100	<0.0100	<0.01
Tetrachloroethene	0.0280	0.0373	0.0578	0.146	0.141
Trichloroethene	0.0358	0.0507	0.0606	0.111	0.0914
Vinyl chloride	<0.000234	<0.000932	0.000988 J	<0.000932	0.00206 J

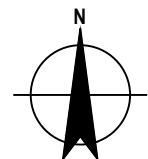
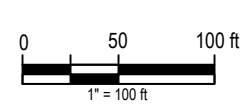


LEGEND

- APPROXIMATE SITE BOUNDARY
- MONITORING WELL LOCATION
- QUARTERLY GROUNDWATER MONITORING LOCATION
- ⊠ DRAIN
- GROUNDWATER PCL EXCEEDANCE ZONE (DASHED WHERE INFERRED)

CONSTITUENT OF CONCERN	GROUNDWATER PCL _{GW} (mg/L)
1,1-Dichloroethene	0.007
cis-1,2-Dichloroethene	0.005
trans-1,2-Dichloroethene	0.07
Methylene Chloride	0.1
Tetrachloroethene	0.005
Trichloroethene	0.005
Trichloroethene	0.005
Vinyl Chloride	0.002

NOTE:
GROUNDWATER MONITORING WELL LOCATIONS EXCLUDED FROM QUARTERLY GROUNDWATER MONITORING MAINTAIN CONSTITUENT OF CONCERN CONCENTRATIONS BELOW TEXAS RISK REDUCTION PROGRAM TIER 1 PROTECTIVE CONCENTRATION LIMITS AND/OR LABORATORY METHOD DETECTION LIMITS.

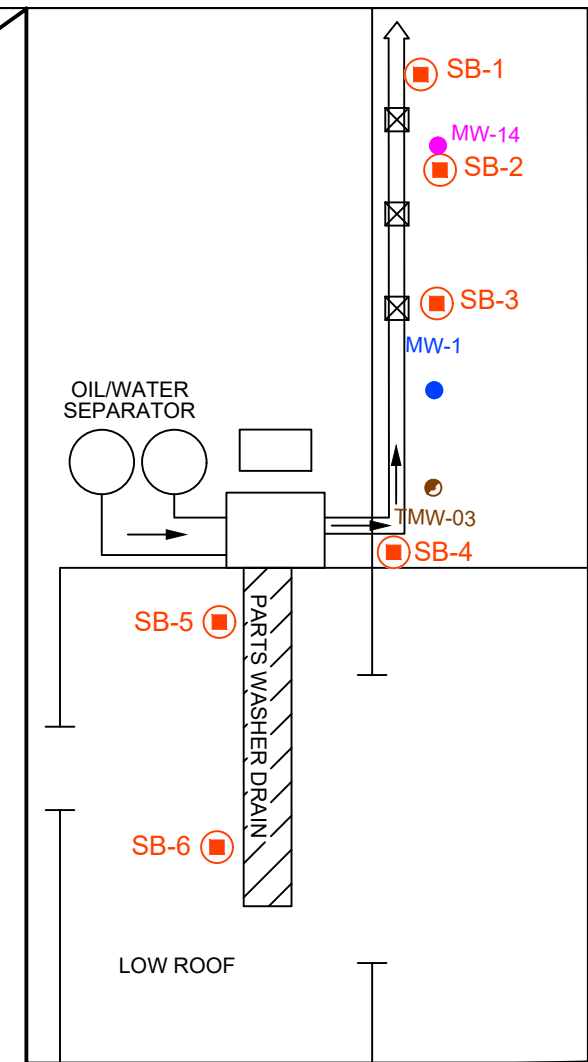
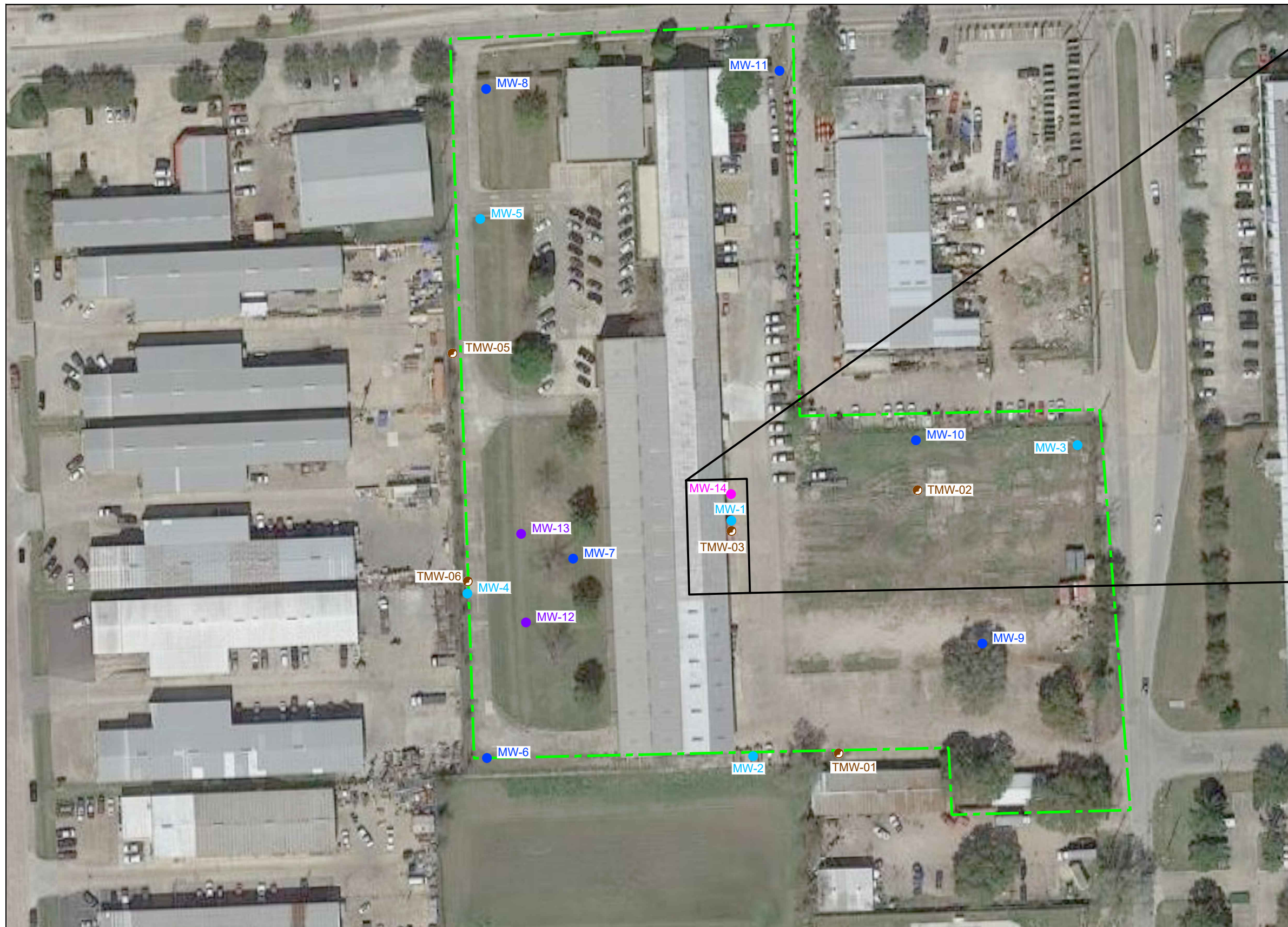


7721 PINEMONT DRIVE, HOUSTON, TEXAS
FORMER BAKER HUGHES PROCESS AND PIPELINE SERVICES FACILITY
MSD APPLICATION

DETECTED AREA OF GROUNDWATER CONTAMINATION

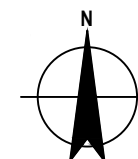
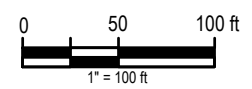
Project No. 11222312
Date December 2023

APPENDIX C-c



LEGEND

- APPROXIMATE SITE BOUNDARY
- TEMPORARY MONITOR WELL LOCATION (NOVEMBER 22, 2016; ESE)
- MONITORING WELL LOCATION (DECEMBER 14, 2016; GHD)
- SOIL BORING AND MONITOR WELL LOCATION (JULY 2017; GHD)
- SOIL BORING AND MONITOR WELL LOCATION (NOVEMBER 2017; GHD)
- SOIL BORING AND MONITOR WELL LOCATION (AUGUST 2019; GHD)
- SOIL BORING LOCATION
- DRAIN

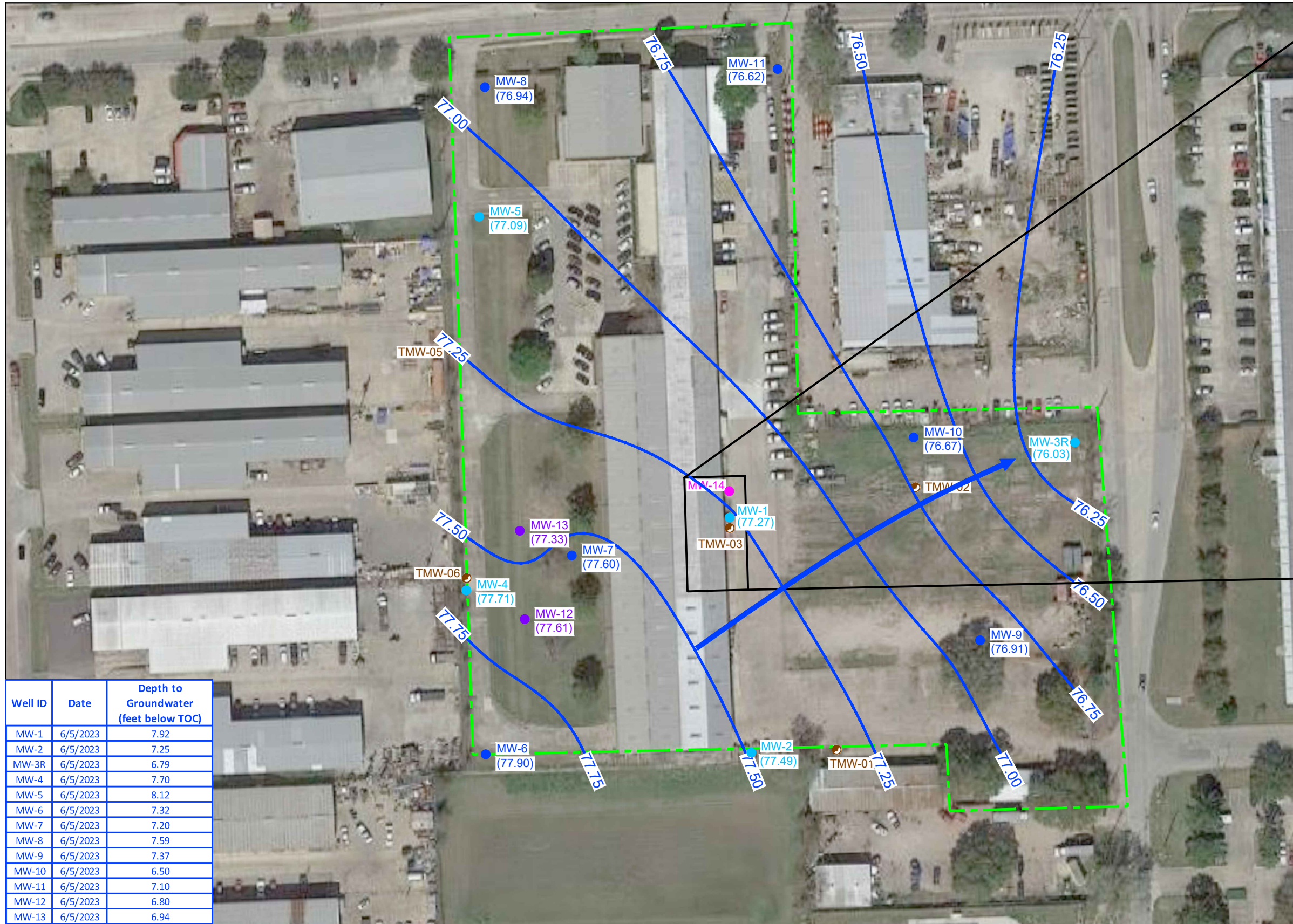


FORMER BAKER HUGHES PROCESS AND PIPELINE SERVICES FACILITY
7721 PINEMONT DRIVE, HOUSTON, TEXAS
MSD APPLICATION

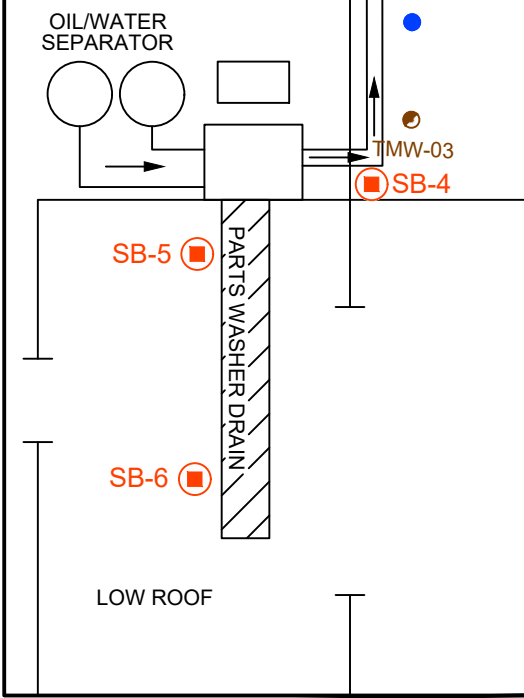
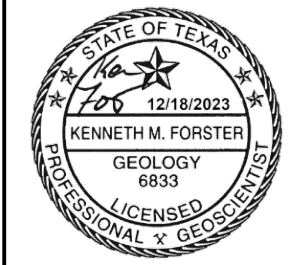
Project No. 11222312
Date December 2023

SAMPLE LOCATION MAP

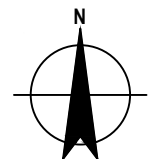
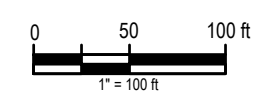
APPENDIX C-d



Well ID	Date	Depth to Groundwater (feet below TOC)
MW-1	6/5/2023	7.92
MW-2	6/5/2023	7.25
MW-3R	6/5/2023	6.79
MW-4	6/5/2023	7.70
MW-5	6/5/2023	8.12
MW-6	6/5/2023	7.32
MW-7	6/5/2023	7.20
MW-8	6/5/2023	7.59
MW-9	6/5/2023	7.37
MW-10	6/5/2023	6.50
MW-11	6/5/2023	7.10
MW-12	6/5/2023	6.80
MW-13	6/5/2023	6.94



- LEGEND**
- APPROXIMATE SITE BOUNDARY
 - TEMPORARY MONITOR WELL LOCATION (NOVEMBER 22, 2016; ESE)
 - MONITORING WELL LOCATION (DECEMBER 14, 2016; GHD)
 - SOIL BORING AND MONITOR WELL LOCATION (JULY 2017; GHD)
 - SOIL BORING AND MONITOR WELL LOCATION (NOVEMBER 2017; GHD)
 - SOIL BORING AND MONITOR WELL LOCATION (AUGUST 2019; GHD)
 - SOIL BORING LOCATION
 - DRAIN
 - GROUNDWATER ELEVATION CONTOUR
 - (76.91) GROUNDWATER ELEVATION - JUNE 5, 2023
 - ➔ GROUNDWATER FLOW DIRECTION

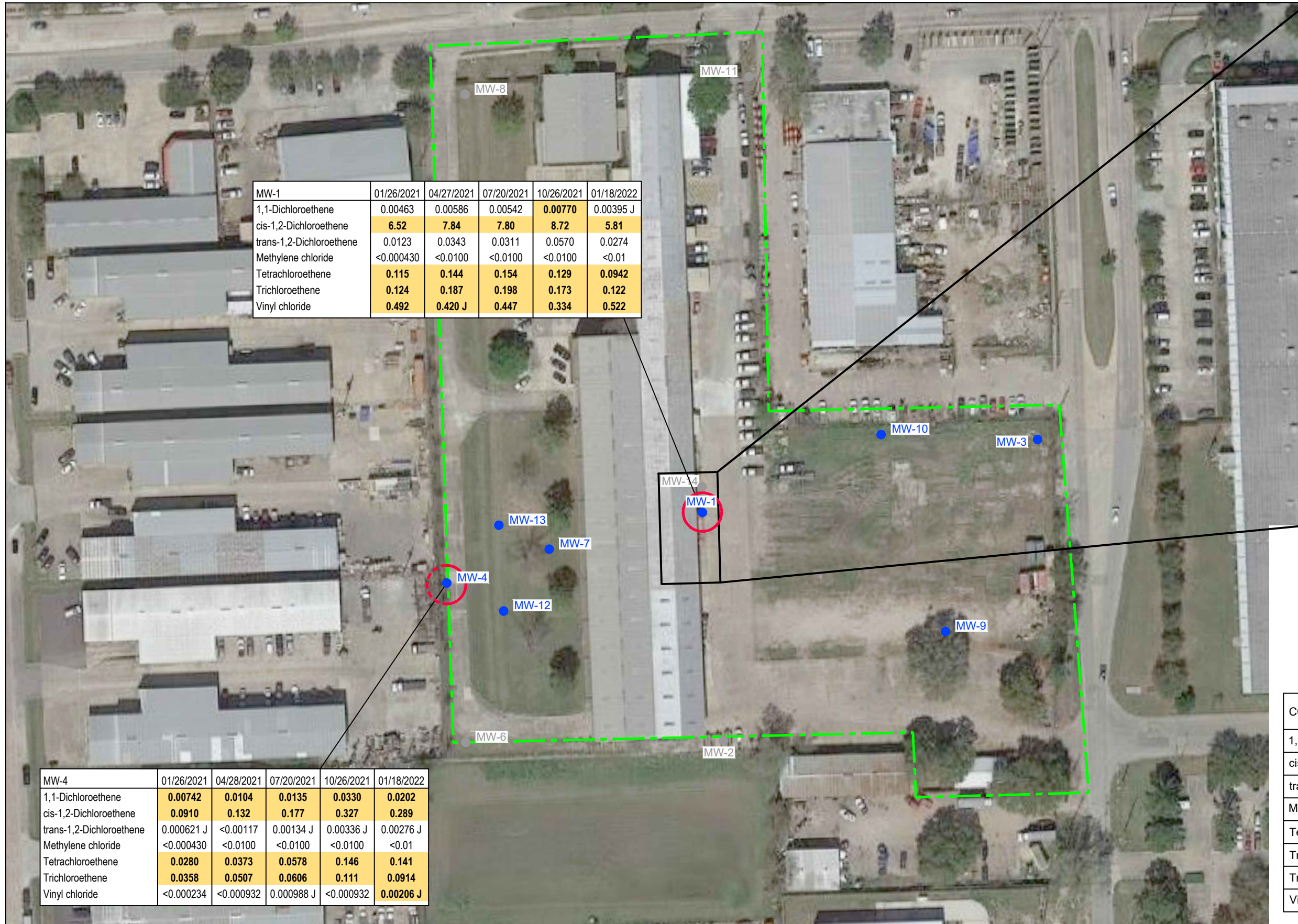


FORMER BAKER HUGHES PROCESS AND PIPELINE SERVICES FACILITY
 7721 PINEMONT DRIVE, HOUSTON, TEXAS
 MSD APPLICATION

POTENTIOMETRIC GRADIENT MAP
 JUNE 5, 2023

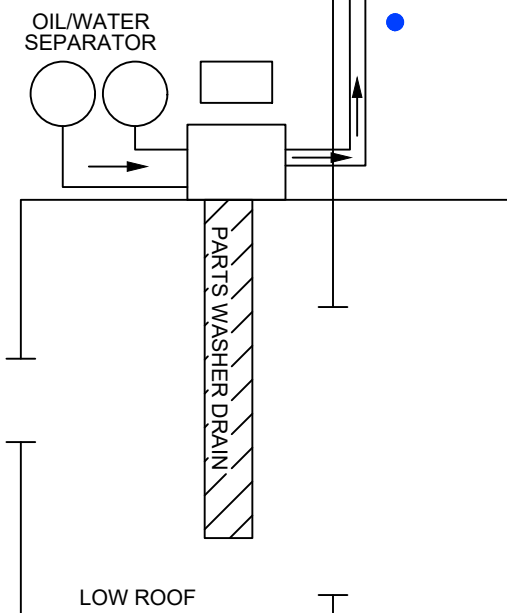
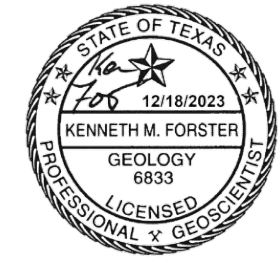
Project No. 11222312
 Date December 2023

APPENDIX C-e



MW-1	01/26/2021	04/27/2021	07/20/2021	10/26/2021	01/18/2022
1,1-Dichloroethene	0.00463	0.00586	0.00542	0.00770	0.00395 J
cis-1,2-Dichloroethene	6.52	7.84	7.80	8.72	5.81
trans-1,2-Dichloroethene	0.0123	0.0343	0.0311	0.0570	0.0274
Methylene chloride	<0.000430	<0.0100	<0.0100	<0.0100	<0.01
Tetrachloroethene	0.115	0.144	0.154	0.129	0.0942
Trichloroethene	0.124	0.187	0.198	0.173	0.122
Vinyl chloride	0.492	0.420 J	0.447	0.334	0.522

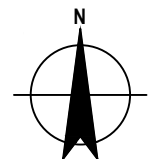
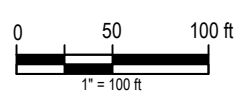
MW-4	01/26/2021	04/28/2021	07/20/2021	10/26/2021	01/18/2022
1,1-Dichloroethene	0.00742	0.0104	0.0135	0.0330	0.0202
cis-1,2-Dichloroethene	0.0910	0.132	0.177	0.327	0.289
trans-1,2-Dichloroethene	0.000621 J	<0.00117	0.00134 J	0.00336 J	0.00276 J
Methylene chloride	<0.000430	<0.0100	<0.0100	<0.0100	<0.01
Tetrachloroethene	0.0280	0.0373	0.0578	0.146	0.141
Trichloroethene	0.0358	0.0507	0.0606	0.111	0.0914
Vinyl chloride	<0.000234	<0.000932	0.000988 J	<0.000932	0.00206 J



- LEGEND**
- APPROXIMATE SITE BOUNDARY
 - MONITORING WELL LOCATION
 - QUARTERLY GROUNDWATER MONITORING LOCATION
 - ⊠ DRAIN
 - GROUNDWATER PCL EXCEEDANCE ZONE (DASHED WHERE INFERRED)

CONSTITUENT OF CONCERN	GROUNDWATER PCL _{GWING} (mg/L)
1,1-Dichloroethene	0.007
cis-1,2-Dichloroethene	0.005
trans-1,2-Dichloroethene	0.07
Methylene Chloride	0.1
Tetrachloroethene	0.005
Trichloroethene	0.005
Trichloroethene	0.005
Vinyl Chloride	0.002

NOTE:
GROUNDWATER MONITORING WELL LOCATIONS EXCLUDED FROM QUARTERLY GROUNDWATER MONITORING MAINTAIN CONSTITUENT OF CONCERN CONCENTRATIONS BELOW TEXAS RISK REDUCTION PROGRAM TIER 1 PROTECTIVE CONCENTRATION LIMITS AND/OR LABORATORY METHOD DETECTION LIMITS.

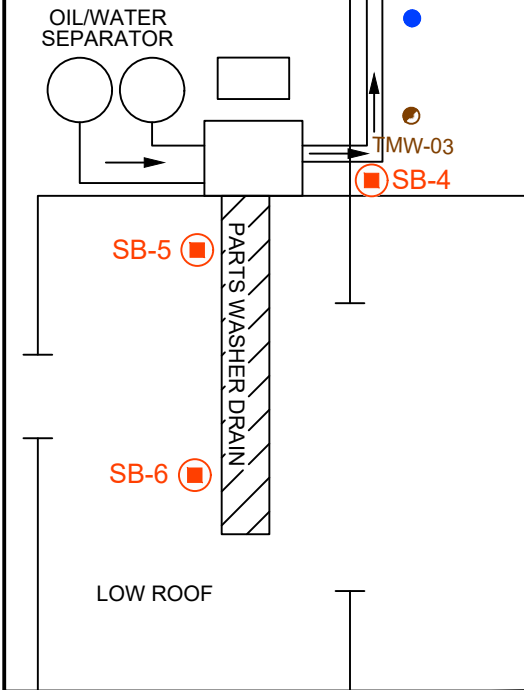
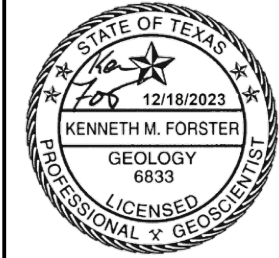
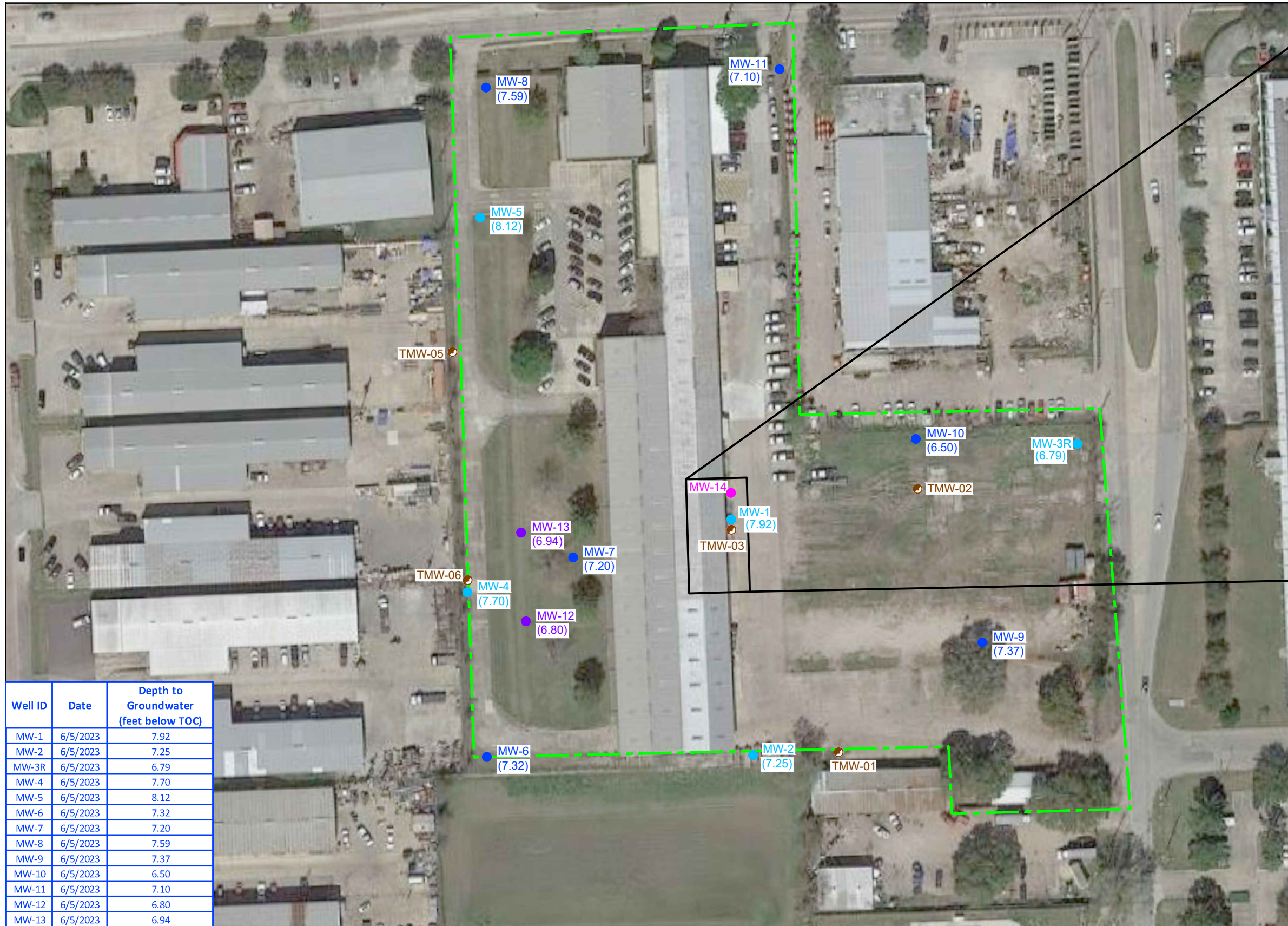


7721 PINEMONT DRIVE, HOUSTON, TEXAS
FORMER BAKER HUGHES PROCESS
AND PIPELINE SERVICES FACILITY
MSD APPLICATION

INGESTION PROTECTIVE CONCENTRATION
LEVEL EXCEEDANCE ZONES

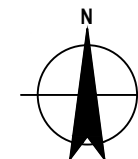
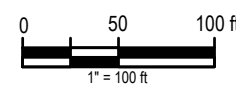
Project No. 11222312
Date December 2023

APPENDIX C-f



LEGEND

- APPROXIMATE SITE BOUNDARY
- TEMPORARY MONITOR WELL LOCATION (NOVEMBER 22, 2016; ESE)
- MONITORING WELL LOCATION (DECEMBER 14, 2016; GHD)
- SOIL BORING AND MONITOR WELL LOCATION (JULY 2017; GHD)
- SOIL BORING AND MONITOR WELL LOCATION (NOVEMBER 2017; GHD)
- SOIL BORING AND MONITOR WELL LOCATION (AUGUST 2019; GHD)
- SOIL BORING LOCATION
- DRAIN
- (7.37) DEPTH TO WATER ON JUNE 5, 2023



FORMER BAKER HUGHES PROCESS AND PIPELINE SERVICES FACILITY
7721 PINEMONT DRIVE, HOUSTON, TEXAS
MSD APPLICATION

DEPTH TO WATER MAP
JUNE 5, 2023

Project No. 11222312
Date December 2023

APPENDIX C-g

Appendix D

APPENDIX D

For each contaminant of concern within the designated groundwater:

- a. A description of the ingestion protective concentration level exceedance zone and the non-ingestion protective concentration level exceedance zone, including a specification of the horizontal area and the minimum and maximum depth below ground surface.
- b. The level of contamination, the ingestion protective concentration level, and the non-ingestion protective concentration level, all expressed as mg/L units.
- c. Its basic geochemical properties (e.g., whether the contaminant of concern migrates with groundwater, floats or is soluble in water).

Based on environmental investigations at the designated property, chlorinated ethenes (tetrachloroethylene, trichloroethylene, cis- and trans-1,2-dichloroethylene, 1,1-dichloroethylene, and vinyl chloride) have been identified in the shallow groundwater bearing unit (GWBu) at concentrations which exceed the ingestion protective concentration levels ($^{GW}GW_{ing}$). PCE, TCE, cis-1,2-DCE, 1,1-DCE, and VC were detected at concentrations above the residential groundwater ingestion ($^{GW}GW_{ing}$) PCL during the initial groundwater monitoring event in December 2016. No COCs have been identified in Site soil at concentrations which exceed the TCEQ TRRP direct exposure total soil combined ($^{Tot}Soil_{Comb}$) or air soil inhalation ($^{Air}Soil_{Inh-v}$) PCLs.

A description of each COC, the ingestion and non-ingestion PCL Exceedance (PCLE) Zone, vertical and horizontal extent, and geochemical properties is provided below.

COC: Tetrachloroethylene (PCE) – CAS 127-18-4

Maximum Concentration in Groundwater Since January 2021: 0.154 milligrams per liter (mg/L)

Ingestion-Based PCL (Residential $^{GW}GW_{ing}$): 0.005 mg/L

2023 Groundwater Ingestion-Based PCLE Zone

Length: 30 ft

Width: 30 ft

Min. Depth: Approximately 19 feet below ground surface (ft bgs)

Max. Depth: Approximately 25 ft bgs

Total Area: 707 square feet / 0.016 acres

Non-Ingestion - Based PCL ($^{Air}GW_{Inh-v}$): 500 mg/L

Non-Ingestion - Based PCLE Zone: None

Geochemical/Physical Properties

Molecular Weight: 165.83 g/mol

Density/Specific Gravity: 1.6227 g/cm³

Solubility in Water: 150 mg/L at 25°C

Groundwater Migration Potential: High

Free-Phase Collects as Dense Non-Aqueous Phase Liquid (DNAPL)

COC: Trichloroethylene (TCE) – CAS 79-01-6

Maximum Concentration in Groundwater Since January 2021: 0.198 mg/L

Ingestion-Based PCL (Residential $^{GW}GW_{ing}$): 0.005 mg/L

2023 Groundwater Ingestion-Based PCLE Zone

Length: 30 ft

Width: 30 ft

Min. Depth: Approximately 19 ft bgs

Max. Depth: Approximately 25 ft bgs

Total Area: 707 square feet / 0.016 acres

Non-Ingestion - Based PCL (^{Air}GW_{Inh-v}): 24 mg/L

Non-Ingestion - Based PCLE Zone: None

Geochemical/Physical Properties

Molecular Weight: 131.39 g/mol

Density/Specific Gravity: 1.4642 g/cm³

Solubility in Water: 1,280 mg/L at 25°C

Groundwater Migration Potential: High

Free-Phase Collects as Dense Non-Aqueous Phase Liquid (DNAPL)

COC: cis-1,2-Dichloroethylene (cis-1,2-DCE) – CAS 156-59-2

Maximum Concentration in Groundwater Since January 2021: 8.72 mg/L

Ingestion-Based PCL (Residential ^{GW}GW_{ing}): 0.070 mg/L

2023 Groundwater Ingestion-Based PCLE Zone

Length: 30 ft

Width: 30 ft

Min. Depth: Approximately 19 ft bgs

Max. Depth: Approximately 25 ft bgs

Total Area: 707 square feet / 0.016 acres

Non-Ingestion - Based PCL (^{Air}GW_{Inh-v}): 1200 mg/L

Non-Ingestion - Based PCLE Zone: None

Geochemical/Physical Properties

Molecular Weight: 96.94 g/mol

Density/Specific Gravity: 1.2840 g/cm³

Solubility in Water: 3,500 mg/L at 25°C

Groundwater Migration Potential: High

Free-Phase Collects as Dense Non-Aqueous Phase Liquid (DNAPL)

COC: trans-1,2-Dichloroethylene (trans-1,2-DCE) – CAS 156-60-5

Maximum Concentration in Groundwater Since January 2021: 0.0570 mg/L

Ingestion-Based PCL (Residential ^{GW}GW_{ing}): 0.100 mg/L

2023 Groundwater Ingestion-Based PCLE Zone: None

Non-Ingestion - Based PCL (^{Air}GW_{Inh-v}): 770 mg/L

Non-Ingestion - Based PCLE Zone: None

Geochemical/Physical Properties

Molecular Weight: 96.94 g/mol
Density/Specific Gravity: 1.2840 g/cm³
Solubility in Water: 3,500 mg/L at 25°C
Groundwater Migration Potential: High
Free-Phase Collects as Dense Non-Aqueous Phase Liquid (DNAPL)

COC: 1,1-Dichloroethylene (1,1-DCE) – CAS 75-35-4

Maximum Concentration in Groundwater Since January 2021: 0.00770 mg/L
Ingestion-Based PCL (Residential ^{GW}GW_{ing}): 0.007 mg/L

2023 Groundwater Ingestion-Based PCLE Zone: None
Non-Ingestion - Based PCL (^{Air}GW_{Inh-v}): 1700 mg/L
Non-Ingestion - Based PCLE Zone: None

Geochemical/Physical Properties

Molecular Weight: 96.94 g/mol
Density/Specific Gravity: 1.213 g/cm³
Solubility in Water: 400 mg/L at 25°C
Groundwater Migration Potential: High
Free-Phase Collects as Dense Non-Aqueous Phase Liquid (DNAPL)

COC: Vinyl Chloride (VC) – CAS 75-01-4

Maximum Concentration in Groundwater Since January 2021: 0.522 mg/L
Ingestion-Based PCL (Residential ^{GW}GW_{ing}): 0.002 mg/L

2023 Groundwater Ingestion-Based PCLE Zone

Length: 30 ft
Width: 30 ft
Min. Depth: Approximately 19 ft bgs
Max. Depth: Approximately 25 ft bgs
Total Area: 707 square feet / 0.016 acres
Non-Ingestion - Based PCL (^{Air}GW_{Inh-v}): 3.8 mg/L
Non-Ingestion - Based PCLE Zone: None

Geochemical/Physical Properties

Molecular Weight: 62.498 g/mol
Density/Specific Gravity: 0.911 g/cm³
Solubility in Water: 2,700 mg/L at 25°C
Groundwater Migration Potential: High
Free-Phase Collects as Dense Non-Aqueous Phase Liquid (DNAPL)

Appendix E

APPENDIX E

A table displaying the following information for each contaminant of concern, to the extent known:

- The maximum concentration level for soil and groundwater, the ingestion protective concentration level, and the non-ingestion protective concentration level, all expressed as mg/kg for soils and mg/L for groundwater.
- The critical protective concentration level without the municipal setting designation, highlighting any exceedances.

Soil

One COC (VC) was detected at concentrations exceeding the TRRP groundwater ingestion (^{GW}GW_{Ing}) Tier 1 PCL. **Table 1** presents the maximum concentrations of VC at the Site, compared with the applicable TRRP Tier 1 0.5-acre residential non-ingestion PCL. **Table 2** includes all available soil analytical data at the designated property.

Table 1

COC	0.5-Acre Res PCL (^{GW} Soil _{Ing})		0.5-Acre Res Non-ingestion PCL (^{Air} GW-Soil _{Inh-v})		Maximum Concentration (mg/kg)	Sample Location, Depth, and Date
	(mg/kg)	Tier	(mg/kg)	Tier		
VC	0.022	1	42	1	0.131 J	SB-5 (16-18 ft), 7/12/2017

Notes:

mg/kg – milligrams per kilogram

Bold text indicates an exceedance of the screening criteria without MSD (Tier-1 Residential ^{GW}Soil_{Ing})

Yellow highlight indicates an exceedance of the screening criteria with MSD (Tier-1 Residential ^{Air}GW-Soil_{Inh-v} for 0.5-Acre Source Area)

Soil Data Summary
Former Baker Hughes Process and Pipeline Services Facility
7721 Pinemont Drive, Houston Texas

Sample ID	Surface Soil RALs	Subsurface Soil RALs	Surface Soil Critical PCLs	Subsurface Soil Critical PCLs	MW-6 7/10/2017 4 - 6'	MW-6 7/10/2017 16 - 18'	MW-7 7/10/2017 0 - 2'	MW-7 7/10/2017 16 - 18'	MW-8 7/10/2017 12 - 14'	MW-8 7/10/2017 14 - 16'	MW-9 7/11/2017 12 - 14'	MW-9-DUP 7/11/2017 12 - 14'	MW-10 7/11/2017 0 - 2'	MW-10 7/11/2017 16 - 18'	MW-11 7/11/2017 14 - 16'	MW-11 7/11/2017 16 - 18'	MW-14 8/26/2019 3 - 5'	MW-14-DUP 8/26/2019 3 - 5'	MW-14 8/26/2019 13 - 15'
1,1,1,2-Tetrachloroethane	1.4	1.4	1.4	1.4	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	--	--	--
1,1,1-Trichloroethane	1.6	1.6	1.6	1.6	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00068	<0.00064	<0.00054
1,1,2,2-Tetrachloroethane	0.023	0.023	0.023	0.023	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00034	<0.00032	<0.00027
1,1,2-Trichloroethane	0.02	0.02	0.02	0.02	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00032	<0.00030	<0.00025
1,1-Dichloroethane	18	18	18	18	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00060	<0.00056	<0.00047
1,1-Dichloroethene	0.05	0.05	0.05	0.05	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00060	<0.00056	<0.00047
1,1-Dichloropropene	0.13	0.13	0.13	0.13	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	--	--	--
1,2,3-Trichlorobenzene	26	26	26	26	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	--	--	--
1,2,3-Trichloropropane	0.00053	0.00053	0.00053	0.00053	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	--	--	--
1,2,4-Trichlorobenzene	4.8	4.8	4.8	4.8	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00048	<0.00045	<0.00038
1,2,4-Trimethylbenzene	33	33	33	33	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	0.0017	0.0017	0.0017	0.0017	<0.0054	<0.0062	<0.0056	<0.006	<0.0037	<0.004	<0.0045	<0.0045	<0.0044	<0.0056	<0.004	<0.0041	<0.00073	<0.00069	<0.00058
1,2-Dibromoethane (Ethylene dibromide)	0.00021	0.00021	0.00021	0.00021	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00038	<0.00035	<0.00030
1,2-Dichlorobenzene	18	18	18	18	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00027	<0.00026	<0.00021
1,2-Dichloroethane	0.014	0.014	0.014	0.014	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00049	<0.00046	<0.00039
1,2-Dichloroethene (total)	NA	NA	NA	NA	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00049	<0.00046	<0.00038
1,2-Dichloropropane	0.023	0.023	0.023	0.023	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00032	<0.00030	<0.00025
1,3,5-Trimethylbenzene	36	36	36	36	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00037	<0.00035	<0.00030
1,3-Dichlorobenzene	6.7	6.7	6.7	6.7	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00031	<0.00029	<0.00024
1,3-Dichloropropane	0.064	0.064	0.064	0.064	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00033	<0.00031	<0.00026
1,4-Dichlorobenzene	2.1	2.1	2.1	2.1	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00020	<0.00019	<0.00016
2,2-Dichloropropane	0.12	0.12	0.12	0.12	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.0011	<0.0010	<0.00084
2-Butanone (Methyl ethyl ketone) (MEK)	29	29	29	29	<0.0054	<0.0062	<0.0056	<0.006	<0.0037	<0.004	<0.0045	<0.0045	<0.0044	<0.0056	<0.004	<0.0041	<0.00037	<0.00034	<0.00029
2-Chlorotoluene	9.1	9.1	9.1	9.1	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	--	--	--
2-Hexanone	0.32	0.32	0.32	0.32	<0.0108	<0.0123	<0.0113	<0.0119	<0.0074	<0.008	<0.009	<0.009	<0.0087	<0.0111	<0.008	<0.0083	<0.0026	<0.0025	<0.0021
2-Phenylbutane (sec-Butylbenzene)	85	85	85	85	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	--	--	--
4-Chlorotoluene	11	11	11	11	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	4.9	4.9	4.9	4.9	<0.0054	<0.0062	<0.0056	<0.006	<0.0037	<0.004	<0.0045	<0.0045	<0.0044	<0.0056	<0.004	<0.0041	<0.0017	<0.0016	<0.0014
Acetone	43	43	43	43	<0.0108	<0.0123	<0.0113	<0.0119	<0.0074	<0.008	<0.009	<0.009	<0.0087	<0.0111	<0.008	<0.0083	<0.0034	0.059	<0.027
Benzene	0.026	0.026	0.026	0.026	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00024	<0.00022	<0.00019
Bromobenzene	2.3	2.3	2.3	2.3	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	--	--	--
Bromodichloromethane	0.065	0.065	0.065	0.065	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00039	<0.00036	<0.00030
Bromoform	0.63	0.63	0.63	0.63	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00030	<0.00028	<0.00024
Bromomethane (Methyl bromide)	0.13	0.13	0.13	0.13	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00036	<0.00034	<0.00029
Carbon disulfide	14	14	14	14	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00090	<0.00084	<0.00071
Carbon tetrachloride	0.062	0.062	0.062	0.062	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.0010	<0.00098	<0.00082
Chlorobenzene	1.1	1.1	1.1	1.1	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00028	<0.00026	<0.00022
Chlorobromomethane	3	3	3	3	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.0010	<0.00098	<0.00082
Chloroethane	31	31	31	31	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.0040	<0.0037	<0.0031
Chloroform (Trichloromethane)	1	1	1	1	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00042	<0.00039	0.025
Chloromethane (Methyl chloride)	0.41	0.41	0.41	0.41	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.0011	<0.0011	<0.00090
cis-1,2-Dichloroethene	0.25	0.25	0.25	0.25	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00060	<0.00056	<0.00047
cis-1,3-Dichloropropene	0.0066	0.0066	0.0066	0.0066	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00022	<0.00020	<0.00017
Cyclohexane	5900	5900	5900	5900	--	--	--	--	--	--	--	--	--	--	--	--	<0.0022	<0.0021	<0.0017
Cymene (p-Isopropyltoluene)	230	230	230	230	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00090	<0.00084	<0.00071
Dibromochloromethane	0.049	0.049	0.049	0.049	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00027	<0.00025	<0.00021
Dibromomethane	1.1	1.1	1.1	1.1	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	--	--	--
Dichlorodifluoromethane (CFC-12)	240	240	240	240	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.0025	<0.0024	<0.0020
Ethylbenzene	7.6	7.6	7.6	7.6	<0.0027	<0.0031	<0.0028	<0.003	<0.0018	<0.002	<0.0022	<0.0023	<0.0022	<0.0028	<0.002	<0.0021	<0.00039</		

Table 2

Soil Data Summary
Former Baker Hughes Process and Pipeline Services Facility
7721 Pinemont Drive, Houston Texas

Sample ID Sample Date Sample Depth	Surface Soil RALs	Subsurface Soil RALs	Surface Soil Critical PCLs	Subsurface Soil Critical PCLs	SB-1 7/12/2017 16 - 18'	SB-12 11/27/2017 2 - 4'	SB-12-DUP 11/27/2017 2 - 4'	SB-12 11/27/2017 16 - 18'	SB-13 11/27/2017 8 - 10'	SB-13 11/27/2017 14 - 16'	SB-2 7/12/2017 16 - 18'	SB-3 7/12/2017 16 - 18'	SB-4 7/12/2017 16 - 18'	SB-5 7/12/2017 10 - 12'	SB-5 7/12/2017 16 - 18'	SB-5-DUP 7/12/2017 16 - 18'	SB-6 7/12/2017 16 - 18'
1,1,1,2-Tetrachloroethane	1.4	1.4	1.4	1.4	<0.0024	--	--	--	--	--	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
1,1,1-Trichloroethane	1.6	1.6	1.6	1.6	<0.0024	<0.00088	<0.00097	<0.00093 J	<0.00083	<0.00092 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
1,1,2,2-Tetrachloroethane	0.023	0.023	0.023	0.023	<0.0024	<0.00068	<0.00075	<0.00072 J	<0.00065	<0.00071 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
1,1,2-Trichloroethane	0.02	0.02	0.02	0.02	<0.0024	<0.00078	<0.00086	<0.00082 J	<0.00074	<0.00082 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
1,1-Dichloroethane	18	18	18	18	<0.0024	<0.00054	<0.00059	<0.00057 J	<0.00051	<0.00057 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
1,1-Dichloroethene	0.05	0.05	0.05	0.05	<0.0024	<0.00058	<0.00064	<0.00061 J	<0.00055	<0.00061 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
1,1-Dichloropropene	0.13	0.13	0.13	0.13	<0.0024	--	--	--	--	--	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
1,2,3-Trichlorobenzene	26	26	26	26	<0.0024	--	--	--	--	--	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
1,2,3-Trichloropropane	0.00053	0.00053	0.00053	0.00053	<0.0024	--	--	--	--	--	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
1,2,4-Trichlorobenzene	4.8	4.8	4.8	4.8	<0.0024	<0.00093	<0.0010	<0.00098 J	<0.00088	<0.00097 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
1,2,4-Trimethylbenzene	33	33	33	33	<0.0024	--	--	--	--	--	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
1,2-Dibromo-3-chloropropane (DBCP)	0.0017	0.0017	0.0017	0.0017	<0.0047	<0.0016	<0.0017	<0.0017 J	<0.0015	<0.0016 J	<0.0051	<0.0042	<0.0045	<0.0047	<0.0048	<0.0047	<0.0048
1,2-Dibromoethane (Ethylene dibromide)	0.00021	0.00021	0.00021	0.00021	<0.0024	<0.00071	<0.00078	<0.00075 J	<0.00067	<0.00074 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
1,2-Dichlorobenzene	18	18	18	18	<0.0024	<0.00078	<0.00085	<0.00081 J	<0.00073	<0.00081 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
1,2-Dichloroethane	0.014	0.014	0.014	0.014	<0.0024	<0.00048	<0.00052	<0.00050 J	<0.00045	<0.00050 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
1,2-Dichloroethene (total)	NA	NA	NA	NA	<0.0024	<0.00093	<0.0010	<0.00097 J	<0.00088	<0.00097 J	<0.0025	<0.0021	<0.0023	<0.303	0.246	<0.147	0.246
1,2-Dichloropropane	0.023	0.023	0.023	0.023	<0.0024	<0.00054	<0.00059	<0.00056 J	<0.00051	<0.00056 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
1,3,5-Trimethylbenzene	36	36	36	36	<0.0024	--	--	--	--	--	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
1,3-Dichlorobenzene	6.7	6.7	6.7	6.7	<0.0024	<0.00087	<0.00096	<0.00092 J	<0.00082	<0.00091 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
1,3-Dichloropropane	0.064	0.064	0.064	0.064	<0.0024	<0.00062	<0.00069	<0.00066 J	<0.00059	<0.00066 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
1,4-Dichlorobenzene	2.1	2.1	2.1	2.1	<0.0024	<0.00096	<0.0011	<0.0010 J	<0.00090	<0.0010 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
2,2-Dichloropropane	0.12	0.12	0.12	0.12	<0.0024	--	--	--	--	--	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
2-Butanone (Methyl ethyl ketone) (MEK)	29	29	29	29	<0.0047	<0.0025	<0.0027	<0.0026 J	<0.0023	<0.0026 J	<0.0051	<0.0042	<0.0045	<0.0047	<0.0048	<0.0047	<0.0048
2-Chlorotoluene	9.1	9.1	9.1	9.1	<0.0024	--	--	--	--	--	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
2-Hexanone	0.32	0.32	0.32	0.32	<0.0094	<0.0014	<0.0016	<0.0015 J	<0.0013	<0.0015 J	<0.0102	<0.0084	<0.009	<0.0094	<0.0097	<0.0094	<0.0097
2-Phenylbutane (sec-Butylbenzene)	85	85	85	85	<0.0024	--	--	--	--	--	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
4-Chlorotoluene	11	11	11	11	<0.0024	--	--	--	--	--	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	4.9	4.9	4.9	4.9	<0.0047	<0.0020	<0.0022	<0.0021 J	<0.0019	<0.0021 J	<0.0051	<0.0042	<0.0045	<0.0047	<0.0048	<0.0047	<0.0048
Acetone	43	43	43	43	<0.0094	<0.0031	<0.0034	<0.0032 J	<0.0029	<0.0032 J	<0.0102	<0.0256	<0.0101	<0.0094	<0.0208	<0.0094	<0.0097
Benzene	0.026	0.026	0.026	0.026	<0.0024	<0.00053	<0.00058	<0.00056 J	<0.00050	<0.00056 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
Bromobenzene	2.3	2.3	2.3	2.3	<0.0024	--	--	--	--	--	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
Bromodichloromethane	0.065	0.065	0.065	0.065	<0.0024	<0.00069	<0.00076	<0.00073 J	<0.00066	<0.00073 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
Bromoform	0.63	0.63	0.63	0.63	<0.0024	<0.0012	<0.0013	<0.0013 J	<0.0011	<0.0013 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
Bromomethane (Methyl bromide)	0.13	0.13	0.13	0.13	<0.0024	<0.00050	<0.00055	<0.00052 J	<0.00047	<0.00052 J	0.0026 J	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
Carbon disulfide	14	14	14	14	<0.0024	<0.00015	<0.00017	<0.00016 J	<0.00014	<0.00016 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
Carbon tetrachloride	0.062	0.062	0.062	0.062	<0.0024	<0.00025	<0.00028	<0.00027 J	<0.00024	<0.00026 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
Chlorobenzene	1.1	1.1	1.1	1.1	<0.0024	<0.00079	<0.00086	<0.00083 J	<0.00074	<0.00082 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
Chlorobromomethane	3	3	3	3	<0.0024	--	--	--	--	--	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
Chloroethane	31	31	31	31	<0.0024	<0.00039	<0.00043	<0.00041 J	<0.00037	<0.00041 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
Chloroform (Trichloromethane)	1	1	1	1	<0.0024	<0.00048	<0.00053	<0.00051 J	<0.00046	<0.00050 J	0.197	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
Chloromethane (Methyl chloride)	0.41	0.41	0.41	0.41	<0.0024	<0.00052	<0.00057	<0.00054 J	<0.00049	<0.00054 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
cis-1,2-Dichloroethane	0.25	0.25	0.25	0.25	<0.0024	<0.00061	<0.00067	<0.00064 J	<0.00057	<0.00064 J	<0.0025	<0.0021	<0.0023	<0.303	0.246	<0.147	0.246
cis-1,3-Dichloropropene	0.0066	0.0066	0.0066	0.0066	<0.0024	<0.00047	<0.00052	<0.00050 J	<0.00045	<0.00050 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
Cyclohexane	5900	5900	5900	5900	--	<0.00024	<0.00026	<0.00025 J	<0.00022	<0.00025 J	--	--	--	--	--	--	--
Cymene (p-Isopropyltoluene)	230	230	230	230	<0.0024	--	--	--	--	--	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
Dibromochloromethane	0.049	0.049	0.049	0.049	<0.0024	<0.00062	<0.00068	<0.00065 J	<0.00058	<0.00065 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
Dibromomethane	1.1	1.1	1.1	1.1	<0.0024	--	--	--	--	--	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
Dichlorodifluoromethane (CFC-12)	240	240	240	240	<0.0024	<0.0013	<0.0014	<0.0013 J	<0.0012	<0.0013 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
Ethylbenzene	7.6	7.6	7.6	7.6	<0.0024	<0.00056	<0.00061	<0.00059 J	<0.00053	<0.00059 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
Hexachlorobutadiene	3.3	3.3	3.3	3.3	<0.0024	--	--	--	--	--	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
Isopropyl benzene	350	350	350	350	<0.0024	<0.00063	<0.00069	<0.00066 J	0.0015	<0.00066 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
m&p-Xylenes	NA	NA	NA	NA	<0.0024	--	--	--	--	--	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
Methyl acetate	49	49	49	49	--	<0.0011	<0.0013	<0.0012 J	<0.0011	<0.0012 J	--	--	--	--	--	--	--
Methyl cyclohexane	16000	16000	16000	16000	--	<0.00073	<0.00080	<0.00077 J	<0.00069	<0.00077 J	--	--	--	--	--	--	--
Methyl tert butyl ether (MTBE)	0.62	0.62	0.62	0.62	<0.0024	<0.00059	<0.00065	<0.00062 J	<0.00056	<0.00062 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
Methylene chloride	0.013	0.013	0.013	0.013	<0.0024	<0.0011	<0.0012	<0.0012 J	<0.0010	<0.0011 J	<0.0025	<0.0021	<0.0023	<0.0023	<0.0024		

Groundwater

COCs (PCE, TCE, cis-1,2-DCE, 1,1-DCE, and VC) were detected at concentrations exceeding their respective TRRP ^{GW}GW_{Ing} Tier 1 PCLs. Based on the proposed response actions, institutional controls such as this MSD will be used to eliminate the groundwater ingestion exposure pathway at the designated property. **Table 3** presents the maximum concentrations of each COC, since the January 2021 groundwater monitoring period at the designated property, compared with the applicable TRRP Tier 1 0.5-acre residential groundwater ingestion and non-ingestion PCLs. **Table 4** includes all available groundwater analytical data since groundwater monitoring began at the designated property.

Table 3

COC	Res Ingestion PCL (^{GW} GW _{Ing})		0.5-Acre Res Non-ingestion PCL (^{Air} GW _{Inh-v})		Maximum Concentration since January 2021 (mg/L)
	(mg/L)	Tier	(mg/L)	Tier	
PCE	0.005	1	500	1	0.154
TCE	0.005	1	24	1	0.198
cis-1,2-DCE	0.070	1	1200	1	8.72
trans-1,2-DCE	0.100	1	770	1	0.0570
1,1-DCE	0.007	1	1700	1	0.00770
VC	0.002	1	3.8	1	0.522

Notes:

Bold text indicates an exceedance of the screening criteria without MSD (Tier-1 Residential ^{GW}GW_{Ing})

Yellow highlight indicates an exceedance of the screening criteria with MSD (Tier-1 Residential ^{Air}GW_{Inh-v} for 0.5-Acre Source Area)

Table 4
Groundwater Data Summary
Former Baker Hughes Process and Pipeline Services Facility
7721 Pinemont Drive, Houston Texas

Sample ID: Sample Date:	RALs	Critical PCLs	MW-1 12/14/2016	MW-1 7/13/2017	MW-1 11/29/2017	MW-1 1/26/2021	MW-1 4/27/2021	MW-1 07/20/2021	MW-1 10/26/2021	MW-2 01/18/2022	MW-1 1/18/2022	MW-1 4/11/2022	MW-1 07/12/2022	MW-1 10/19/2022	MW-1 06/06/2023	MW-2 12/14/2016	MW-2 7/14/2017	MW-2 11/28/2017	MW-3 12/14/2016	MW-3 7/13/2017	MW-3 11/29/2017	MW-3 6/5/2023	MW-3R 4/28/2021	MW-3R 07/19/2021	MW-3R 10/25/2021									
Volatile Organic Compounds																																		
1,1,1,2-Tetrachloroethane	0.035	0.035	<0.000178	<0.00015	--	--	--	--	--	--	--	--	--	--	--	<0.000178	<0.00015	--	<0.000178	<0.00015	--	--	--	--	--	--	--	--	--					
1,1,1-Trichloroethane	0.2	0.2	<0.000209	<0.00011	<0.00048	--	--	--	--	--	--	--	--	--	--	<0.000209	<0.00011	<0.00048	<0.000209	<0.00011	<0.00048	--	--	--	--	--	--	--	--					
1,1,2,2-Tetrachloroethane	0.0046	0.0046	<0.000197	<0.00015	<0.00043	--	--	--	--	--	--	--	--	--	--	<0.000197	<0.00015	<0.00043	<0.000197	<0.00015	<0.00043	--	--	--	--	--	--	--	--	--				
1,1,2-Trichloroethane	0.005	0.005	<0.000209	<0.0002	<0.00029	--	--	--	--	--	--	--	--	--	--	<0.000209	<0.0002	<0.00029	<0.000209	<0.0002	<0.00029	--	--	--	--	--	--	--	--	--	--			
1,1-Dichloroethane	4.9	4.9	<0.000168	<0.00005	<0.0012	--	--	--	--	--	--	--	--	--	--	<0.000168	<0.00005	<0.0012	<0.000168	<0.00005	<0.0012	--	--	--	--	--	--	--	--	--	--			
1,1-Dichloroethene	0.007	0.007	0.00185	0.0047	0.0040	0.00463	0.00586	0.00542	0.00770	0.00395 J	0.00395 J	<0.00940	0.00302 J	0.00392 J	0.00282	<0.000192	<0.0002	<0.0011	<0.000192	<0.0002	<0.0011	<0.000188	<0.00109	<0.00109	<0.00109	<0.00109	<0.00109	<0.00109	<0.00109	<0.00109	<0.00109			
1,1-Dichloropropene	0.0091	0.0091	<0.000191	<0.00009	--	--	--	--	--	--	--	--	--	--	--	<0.000191	<0.00009	--	<0.000191	<0.00009	--	--	--	--	--	--	--	--	--	--	--	--		
1,2,3-Trichlorobenzene	0.073	0.073	<0.00057	<0.00012	--	--	--	--	--	--	--	--	--	--	--	<0.00057	<0.00012	--	<0.00057	<0.00012	--	--	--	--	--	--	--	--	--	--	--	--		
1,2,3-Trichloropropane	0.00003	0.00003	<0.00029	<0.00019	--	--	--	--	--	--	--	--	--	--	--	<0.00029	<0.00019	--	<0.00029	<0.00019	--	--	--	--	--	--	--	--	--	--	--	--		
1,2,4-Trichlorobenzene	0.07	0.07	<0.000177	<0.0001	<0.00037	--	--	--	--	--	--	--	--	--	--	<0.000177	<0.0001	<0.00037	<0.000177	<0.0001	<0.00037	--	--	--	--	--	--	--	--	--	--	--		
1,2,4-Trimethylbenzene	0.83	0.83	<0.000215	<0.00009	--	--	--	--	--	--	--	--	--	--	--	<0.000215	<0.00009	--	<0.000215	<0.00009	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,2-Dibromo-3-chloropropane (DBCP)	0.0002	0.0002	<0.00081	<0.00059	<0.00092	--	--	--	--	--	--	--	--	--	--	<0.00081	<0.00059	<0.00092	<0.00081	<0.00059	<0.00092	--	--	--	--	--	--	--	--	--	--	--		
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.00005	<0.000111	<0.00017	<0.00029	--	--	--	--	--	--	--	--	--	--	<0.000111	<0.00017	<0.00029	<0.000111	<0.00017	<0.00029	--	--	--	--	--	--	--	--	--	--	--		
1,2-Dichlorobenzene	0.6	0.6	<0.000153	<0.00005	<0.00037	--	--	--	--	--	--	--	--	--	--	<0.000153	<0.00005	<0.00037	<0.000153	<0.00005	<0.00037	--	--	--	--	--	--	--	--	--	--	--		
1,2-Dichloroethane	0.005	0.005	<0.000116	<0.00012	<0.0011	--	--	--	--	--	--	--	--	--	--	<0.000116	<0.00012	<0.0011	<0.000116	<0.00012	<0.0011	--	--	--	--	--	--	--	--	--	--	--		
1,2-Dichloroethene (total)	NA	NA	--	5.83	5.9	--	--	--	--	--	--	--	--	--	--	--	<0.0028	<0.0023	--	0.0043	<0.0023	--	--	--	--	--	--	--	--	--	--	--	--	
1,2-Dichloropropane	0.005	0.005	<0.000136	<0.00016	<0.00049	--	--	--	--	--	--	--	--	--	--	<0.000136	<0.00016	<0.00049	<0.000136	<0.00016	<0.00049	--	--	--	--	--	--	--	--	--	--	--	--	
1,3,5-Trimethylbenzene	0.83	0.83	<0.00021	<0.0001	--	--	--	--	--	--	--	--	--	--	--	<0.00021	<0.0001	--	<0.00021	<0.0001	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,3-Dichlorobenzene	0.73	0.73	<0.00021	<0.00007	<0.00040	--	--	--	--	--	--	--	--	--	--	<0.00021	<0.00007	<0.00040	<0.00021	<0.00007	<0.00040	--	--	--	--	--	--	--	--	--	--	--	--	
1,3-Dichloropropane	0.0091	0.0091	<0.00022	<0.00017	<0.00022	--	--	--	--	--	--	--	--	--	--	<0.00022	<0.00017	<0.00022	<0.00022	<0.00017	<0.00022	--	--	--	--	--	--	--	--	--	--	--	--	
1,4-Dichlorobenzene	0.075	0.075	<0.000176	<0.00006	<0.00040	--	--	--	--	--	--	--	--	--	--	<0.000176	<0.00006	<0.00040	<0.000176	<0.00006	<0.00040	--	--	--	--	--	--	--	--	--	--	--	--	
2,2-Dichloropropane	0.013	0.013	<0.000258	<0.00019	--	--	--	--	--	--	--	--	--	--	--	<0.000258	<0.00019	--	<0.000258	<0.00019	--	--	--	--	--	--	--	--	--	--	--	--	--	
2-Butanone (Methyl ethyl ketone) (MEK)	15	15	<0.00076	<0.00059	<0.0049	--	--	--	--	--	--	--	--	--	--	<0.00076	<0.00059	<0.0049	<0.00076	<0.00059	<0.0049	--	--	--	--	--	--	--	--	--	--	--	--	
2-Chlorotoluene	0.49	0.49	<0.000226	<0.00012	--	--	--	--	--	--	--	--	--	--	--	<0.000226	<0.00012	--	<0.000226	<0.00012	--	--	--	--	--	--	--	--	--	--	--	--	--	
2-Hexanone	1.2	1.2	<0.000265	<0.00012	<0.0021	--	--	--	--	--	--	--	--	--	--	<0.000265	<0.00012	<0.0021	<0.000265	<0.00012	<0.0021	--	--	--	--	--	--	--	--	--	--	--	--	
2-Phenylbutane (sec-Butylbenzene)	0.98	0.98	<0.000224	<0.00005	--	--	--	--	--	--	--	--	--	--	--	<0.000224	<0.00005	--	<0.000224	<0.00005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	0.49	0.49	<0.00021	<0.00014	--	--	--	--	--	--	--	--	--	--	--	<0.00021	<0.00014	--	<0.00021	<0.00014	--	--	--	--	--	--	--	--	--	--	--	--	--	
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	2	2	<0.000348	<0.00042	<0.0020	--	--	--	--	--	--	--	--	--	--	<0.000348	<0.00042	<0.0020	<0.000348	0.0013 J	<0.0020	--	--	--	--	--	--	--	--	--	--	--	--	
Acetone	22	22	<0.000447	0.0309	<0.0049	--	--	--	--	--	--	--	--	--	--	<0.000447	<0.0521	<0.0049	<0.000447	0.0644	<0.0049	--	--	--	--	--	--	--	--	--	--	--	--	
Benzene	0.005	0.005	0.000205 J	0.00035 J	<0.00046	--	--	--	--	--	--	--	--	--	--	<0.000176	<0.00006	<0.00046	<0.000176	<0.00006	<0.00046	--	--	--	--	--	--	--	--	--	--	--	--	
Bromobenzene	0.2	0.2	<0.000195	<0.0001	--	--	--	--	--	--	--	--	--	--	--	<0.000195	<0.0001	--	<0.000195	<0.0001	--	--	--	--	--	--	--	--	--	--	--	--	--	
Bromodichloromethane	0.08	0.08	<0.000153	<0.00019	<0.00050	--	--	--	--	--	--	--	--	--	--	<0.000153	<0.00019	<0.00050	<0.000153	<0.00019	<0.00050	--	--	--	--	--	--	--	--	--	--	--	--	
Bromoform	0.08	0.08	<0.000151	<0.00007	<0.00023	--	--	--	--	--	--	--	--	--	--	<0.000151	<0.00007	<0.00023	<0.000151	<0.00007	<0.00023	--	--	--	--	--	--	--	--	--	--	--	--	
Bromomethane (Methyl bromide)	0.034	0.034	<0.00025	0.00099 J	<0.0012	--	--	--	--	--	--	--	--	--	--	<0.00025	<0.00089	<0.0012	<0.00025	<0.00089	<0.0012	--	--	--	--	--	--	--	--	--	--	--	--	
Carbon disulfide	2.4	2.4	<0.000216	<0.00012	<0.0013	--	--	--	--	--	--	--	--	--	--	<0.000216	<0.00012	<0.0013	<0.000216	<0.00012	<0.0013	--	--	--	--	--	--	--	--	--	--	--	--	
Carbon tetrachloride	0.005	0.005	<0.000183	<0.00018	<0.00044	--	--	--	--	--	--	--	--	--	--	<0.000183	<0.00018	<0.00044	<0.000183	<0.00018	<0.00044	--	--	--	--	--	--	--	--	--	--	--	--	
Chlorobenzene	0.1	0.1	<0.000185	<0.00021	<0.00037	--	--	--	--	--	--	--	--	--	--	<0.000185	<0.00021	<0.00037	<0.000185	<0.00021	<0.00037	--	--	--	--	--	--	--	--	--	--	--	--	
Chlorobromomethane	0.98	0.98	<0.000162	<0.00015	--	--	--	--	--	--	--	--	--	--	--	<0.000162	<0.00015	--	<0.000162	<0.00015	--	--	--	--	--	--	--	--	--	--	--	--	--	
Chloroethane	9.8	9.8	<0.00024	<0.00015	<0.00095	--	--	--	--	--	--	--	--	--	--	<0.00024	<0.00015	<0.00095	<0.00024	<0.00015	<0.00095	--	--	--										

Groundwater Data Summary
Former Baker Hughes Process and Pipeline Services Facility
7721 Pinemont Drive, Houston Texas

Sample ID: Sample Date:	RALs	Critical PCLs	MW-3R 01/18/2022	MW-3R 1/18/2022	MW-3R 4/11/2022	MW-3R Dup 04/11/2022	MW-3R 07/12/2022	MW-3R 10/19/2022	MW-4 12/14/2016	MW-4 7/13/2017	MW-4 11/27/2017	MW-4 1/26/2021	MW-4 4/28/2021	MW-4 07/20/2021	MW-4 10/26/2021	MW-4 01/18/2022	MW-4 1/18/2022	MW-4 4/11/2022	MW-4 07/12/2022	MW-4 Dup 07/12/2022	MW-4 10/19/2022	MW-4 Dup 10/19/2022	MW-4 06/06/2023	MW-5 12/14/2016	MW-5-DUP 12/14/2016
Volatile Organic Compounds																									
1,1,1,2-Tetrachloroethane	0.035	0.035	--	--	--	--	--	--	<0.000178	<0.00075	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.000178	<0.000178
1,1,1-Trichloroethane	0.2	0.2	--	--	--	--	--	--	<0.000209	<0.00055	<0.00048	--	--	--	--	--	--	--	--	--	--	--	--	<0.000209	<0.000209
1,1,2,2-Tetrachloroethane	0.0046	0.0046	--	--	--	--	--	--	<0.000197	<0.00075	<0.00043	--	--	--	--	--	--	--	--	--	--	--	--	<0.000197	<0.000197
1,1,2-Trichloroethane	0.005	0.005	--	--	--	--	--	--	<0.000209	<0.001	<0.00029	--	--	--	--	--	--	--	--	--	--	--	--	<0.000209	<0.000209
1,1-Dichloroethane	4.9	4.9	--	--	--	--	--	--	0.0227	0.0248	0.018	--	--	--	--	--	--	--	--	--	--	--	--	<0.000168	<0.000168
1,1-Dichloroethane	0.007	0.007	<0.00110	<0.00109	<0.000188	<0.000188	<0.00109	<0.00109	0.0198	0.0212	0.016	0.00742	0.0104	0.0135	0.0330	0.0202	0.0202	0.0124	0.0182	0.0186	0.0249	0.0245	0.0109	0.000321 J	0.000302 J
1,1-Dichloropropene	0.0091	0.0091	--	--	--	--	--	--	<0.000191	<0.00045	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.000191	<0.000191
1,2,3-Trichlorobenzene	0.073	0.073	--	--	--	--	--	--	<0.00057	<0.0006	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00057	<0.00057
1,2,3-Trichloropropane	0.00003	0.00003	--	--	--	--	--	--	<0.00029	<0.00095	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00029	<0.00029
1,2,4-Trichlorobenzene	0.07	0.07	--	--	--	--	--	--	<0.000177	<0.0005	<0.00037	--	--	--	--	--	--	--	--	--	--	--	--	<0.000177	<0.000177
1,2,4-Trimethylbenzene	0.83	0.83	--	--	--	--	--	--	<0.000215	<0.00045	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.000215	<0.000215
1,2-Dibromo-3-chloropropane (DBCP)	0.0002	0.0002	--	--	--	--	--	--	<0.00081	<0.003	<0.00092	--	--	--	--	--	--	--	--	--	--	--	--	<0.00081	<0.00081
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.00005	--	--	--	--	--	--	<0.000111	<0.00085	<0.00029	--	--	--	--	--	--	--	--	--	--	--	--	<0.000111	<0.000111
1,2-Dichlorobenzene	0.6	0.6	--	--	--	--	--	--	<0.000153	<0.00025	<0.00037	--	--	--	--	--	--	--	--	--	--	--	--	<0.000153	<0.000153
1,2-Dichloroethane	0.005	0.005	--	--	--	--	--	--	<0.000116	<0.0006	<0.0011	--	--	--	--	--	--	--	--	--	--	--	--	<0.000116	<0.000116
1,2-Dichloroethane (total)	NA	NA	--	--	--	--	--	--	--	0.193	0.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	0.005	0.005	--	--	--	--	--	--	<0.000136	<0.0008	<0.00049	--	--	--	--	--	--	--	--	--	--	--	--	<0.000136	<0.000136
1,3,5-Trimethylbenzene	0.83	0.83	--	--	--	--	--	--	<0.00021	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00021	<0.00021
1,3-Dichlorobenzene	0.73	0.73	--	--	--	--	--	--	<0.00021	<0.00035	<0.00040	--	--	--	--	--	--	--	--	--	--	--	--	<0.00021	<0.00021
1,3-Dichloropropane	0.0091	0.0091	--	--	--	--	--	--	<0.00022	<0.00085	<0.00022	--	--	--	--	--	--	--	--	--	--	--	--	<0.00022	<0.00022
1,4-Dichlorobenzene	0.075	0.075	--	--	--	--	--	--	<0.000176	<0.0003	<0.00040	--	--	--	--	--	--	--	--	--	--	--	--	<0.000176	<0.000176
2,2-Dichloropropane	0.013	0.013	--	--	--	--	--	--	<0.000258	<0.00095	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.000258	<0.000258
2-Butanone (Methyl ethyl ketone) (MEK)	15	15	--	--	--	--	--	--	<0.00076	<0.003	<0.0049	--	--	--	--	--	--	--	--	--	--	--	--	<0.00076	<0.00076
2-Chlorotoluene	0.49	0.49	--	--	--	--	--	--	<0.000226	<0.0006	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.000226	<0.000226
2-Hexanone	1.2	1.2	--	--	--	--	--	--	<0.000265	<0.006	<0.0021	--	--	--	--	--	--	--	--	--	--	--	--	<0.000265	<0.000265
2-Phenylbutane (sec-Butylbenzene)	0.98	0.98	--	--	--	--	--	--	<0.000224	<0.00025	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.000224	<0.000224
4-Chlorotoluene	0.49	0.49	--	--	--	--	--	--	<0.00021	<0.0007	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00021	<0.00021
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	2	2	--	--	--	--	--	--	<0.000348	<0.0021	<0.0020	--	--	--	--	--	--	--	--	--	--	--	--	<0.000348	<0.000348
Acetone	22	22	--	--	--	--	--	--	<0.000447	0.0475 J	<0.0049	--	--	--	--	--	--	--	--	--	--	--	--	<0.000447	<0.0117
Benzene	0.005	0.005	--	--	--	--	--	--	<0.000176	<0.0003	<0.00046	--	--	--	--	--	--	--	--	--	--	--	--	<0.000176	<0.000176
Bromobenzene	0.2	0.2	--	--	--	--	--	--	<0.000195	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.000195	<0.000195
Bromodichloromethane	0.08	0.08	--	--	--	--	--	--	<0.000153	<0.00095	<0.00050	--	--	--	--	--	--	--	--	--	--	--	--	<0.000153	<0.000153
Bromoform	0.08	0.08	--	--	--	--	--	--	<0.000151	<0.00035	<0.00023	--	--	--	--	--	--	--	--	--	--	--	--	<0.000151	<0.000151
Bromomethane (Methyl bromide)	0.034	0.034	--	--	--	--	--	--	<0.00025	<0.0008	<0.0012	--	--	--	--	--	--	--	--	--	--	--	--	<0.00025	<0.00025
Carbon disulfide	2.4	2.4	--	--	--	--	--	--	<0.000216	<0.0006	<0.0013	--	--	--	--	--	--	--	--	--	--	--	--	<0.000216	<0.000216
Carbon tetrachloride	0.005	0.005	--	--	--	--	--	--	<0.000183	<0.0009	<0.00044	--	--	--	--	--	--	--	--	--	--	--	--	<0.000183	<0.000183
Chlorobenzene	0.1	0.1	--	--	--	--	--	--	<0.000185	<0.001	<0.00037	--	--	--	--	--	--	--	--	--	--	--	--	<0.000185	<0.000185
Chlorobromomethane	0.98	0.98	--	--	--	--	--	--	<0.000162	<0.00075	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.000162	<0.000162
Chloroethane	9.8	9.8	--	--	--	--	--	--	<0.00024	<0.00075	<0.00095	--	--	--	--	--	--	--	--	--	--	--	--	<0.00024	<0.00024
Chloroform (Trichloromethane)	0.08	0.08	--	--	--	--	--	--	<0.000151	<0.0007	<0.0012	--	--	--	--	--	--	--	--	--	--	--	--	<0.000151	<0.000151
Chloromethane (Methyl chloride)	0.07	0.07	--	--	--	--	--	--	<0.000209	<0.0004	<0.0011	--	--	--	--	--	--	--	--	--	--	--	--	<0.000209	<0.000209
cis-1,2-Dichloroethene	0.07	0.07	<0.00113	<0.00113	<0.000126	<0.000126	<0.00113	<0.00113	0.176	0.191	0.15	0.0910	0.132	0.177	0.327	0.289	0.289	0.178	0.307	0.272	0.306	0.278	0.185	<0.000707	<0.000702
cis-1,3-Dichloropropene	0.0017	0.0017	--	--	--	--	--	--	<0.00016	<0.0007	<0.00045	--	--	--	--	--	--	--	--	--	--	--	--	<0.00016	<0.00016
Cyclohexane	120	120	--	--	--	--	--	--	--	--	<0.00026	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cymene (p-Isopropyltoluene)	2.4	2.4	--	--	--	--	--	--	<0.000228	<0.0005	<0.00046	--	--	--	--	--	--	--	--	--	--	--	--	<0.000228	<0.000228
Dibromochloromethane	0.08	0.08	--	--	--	--	--	--	<0.000119	<0.001	<0.00034	--	--	--	--	--	--	--	--	--	--	--	--	<0.000119	<0.000119
Dibromomethane	0.12	0.12	--	--	--	--	--	--	<0.00052	<0.0009	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00052	<0.00052
Dichlorodifluoromethane (CFC-12)	4.9	4.9	--	--	--	--	--	--	<0.000859	<0.001	<0.0028	--	--	--	--	--	--	--	--	--	--	--	--	<0.000859	<0.000859
Ethylbenzene	0.7	0.7	--	--	--	--	--	--	<0.000212	<0.0009	<0.00046	--	--	--	--	--	--	--	--	--	--	--	--	<0.000212	<0.000212
Hexachlorobutadiene	0.012	0.012	--	--	--	--	--	--	<0.000215	<0.0014	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.000215	<0.000215
Isopropyl benzene	2.4	2.4	--	--	--	--	--	--	<0.000241	<0.00035	<0.00052	--	--	--	--	--	--	--	--	--	--	--	--	<0.000241	<0.000241
m&p-Xylenes	NA	NA	--	--	--	--	--	--	<																

Table 4

Groundwater Data Summary
Former Baker Hughes Process and Pipeline Services Facility
7721 Pinemont Drive, Houston Texas

Sample ID: Sample Date:	RALs	Critical PCLs	MW-9 4/27/2021	MW-9-DUP 4/27/2021	MW-9 07/20/2021	MW-9 10/26/2021	MW-9 01/18/2022	MW-9 1/18/2022	MW-9 07/12/2022	MW-9 06/05/2023	MW-10 7/14/2017	MW-10-DUP 7/14/2017	MW-10 11/28/2017	MW-10 1/25/2021	MW-10 4/27/2021	MW-10 07/20/2021	MW-10 10/26/2021	MW-10 01/17/2022	MW-10 1/17/2022	MW-10 4/11/2022	MW-10 07/12/2022	MW-10 10/19/2022	MW-10 06/05/2023	MW-11 7/13/2017	MW-11 11/28/2017		
Volatile Organic Compounds																											
1,1,1,2-Tetrachloroethane	0.035	0.035	--	--	--	--	--	--	--	--	<0.00015	<0.00015	--	--	--	--	--	--	--	--	--	--	--	--	<0.00015	--	
1,1,1-Trichloroethane	0.2	0.2	--	--	--	--	--	--	--	--	<0.00011	<0.00011	<0.00048	--	--	--	--	--	--	--	--	--	--	--	<0.00011	<0.00048	
1,1,2,2-Tetrachloroethane	0.0046	0.0046	--	--	--	--	--	--	--	--	<0.00015	<0.00015	<0.00043	--	--	--	--	--	--	--	--	--	--	--	<0.00015	<0.00043	
1,1,2-Trichloroethane	0.005	0.005	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.00029	--	--	--	--	--	--	--	--	--	--	--	<0.0002	<0.00029	
1,1-Dichloroethane	4.9	4.9	--	--	--	--	--	--	--	--	<0.00005	<0.00005	<0.0012	--	--	--	--	--	--	--	--	--	--	--	<0.00005	<0.0012	
1,1-Dichloroethene	0.007	0.007	<0.00109	<0.00109	<0.00109	<0.00109	<0.00110	<0.00109	<0.00109	<0.00188	<0.0002	<0.0002	<0.0011	<0.000188	<0.00109	<0.00109	<0.00109	<0.00109	<0.00109	<0.00188	<0.00109	<0.00109	<0.00188	<0.00109	<0.0002	<0.0011	
1,1-Dichloropropene	0.0091	0.0091	--	--	--	--	--	--	--	--	<0.00009	<0.00009	--	--	--	--	--	--	--	--	--	--	--	--	<0.00009	--	
1,2,3-Trichlorobenzene	0.073	0.073	--	--	--	--	--	--	--	--	<0.00012	<0.00012	--	--	--	--	--	--	--	--	--	--	--	--	<0.00012	--	
1,2,3-Trichloropropane	0.00003	0.00003	--	--	--	--	--	--	--	--	<0.00019	<0.00019	--	--	--	--	--	--	--	--	--	--	--	--	<0.00019	--	
1,2,4-Trichlorobenzene	0.07	0.07	--	--	--	--	--	--	--	--	<0.0001	<0.0001	<0.00037	--	--	--	--	--	--	--	--	--	--	--	<0.0001	<0.00037	
1,2,4-Trimethylbenzene	0.83	0.83	--	--	--	--	--	--	--	--	<0.00009	<0.00009	--	--	--	--	--	--	--	--	--	--	--	--	<0.00009	--	
1,2-Dibromo-3-chloropropane (DBCP)	0.0002	0.0002	--	--	--	--	--	--	--	--	<0.00059	<0.00059	<0.00092	--	--	--	--	--	--	--	--	--	--	--	<0.00059	<0.00092	
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.00005	--	--	--	--	--	--	--	--	<0.00017	<0.00017	<0.00029	--	--	--	--	--	--	--	--	--	--	--	<0.00017	<0.00029	
1,2-Dichlorobenzene	0.6	0.6	--	--	--	--	--	--	--	--	<0.00005	<0.00005	<0.00037	--	--	--	--	--	--	--	--	--	--	--	<0.00005	<0.00037	
1,2-Dichloroethane	0.005	0.005	--	--	--	--	--	--	--	--	<0.00012	<0.00012	<0.0011	--	--	--	--	--	--	--	--	--	--	--	<0.00012	<0.0011	
1,2-Dichloroethene (total)	NA	NA	--	--	--	--	--	--	--	--	<0.00028	<0.00028	<0.0023	--	--	--	--	--	--	--	--	--	--	--	<0.00028	<0.0023	
1,2-Dichloropropane	0.005	0.005	--	--	--	--	--	--	--	--	<0.00016	<0.00016	<0.00049	--	--	--	--	--	--	--	--	--	--	--	<0.00016	<0.00049	
1,3,5-Trimethylbenzene	0.83	0.83	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--	--	--	--	--	--	--	--	--	--	--	<0.0001	--	
1,3-Dichlorobenzene	0.73	0.73	--	--	--	--	--	--	--	--	<0.00007	<0.00007	<0.00040	--	--	--	--	--	--	--	--	--	--	--	<0.00007	<0.00040	
1,3-Dichloropropane	0.0091	0.0091	--	--	--	--	--	--	--	--	<0.00017	<0.00017	<0.00022	--	--	--	--	--	--	--	--	--	--	--	<0.00017	<0.00022	
1,4-Dichlorobenzene	0.075	0.075	--	--	--	--	--	--	--	--	<0.00006	<0.00006	<0.00040	--	--	--	--	--	--	--	--	--	--	--	<0.00006	<0.00040	
2,2-Dichloropropane	0.013	0.013	--	--	--	--	--	--	--	--	<0.00019	<0.00019	--	--	--	--	--	--	--	--	--	--	--	--	<0.00019	--	
2-Butanone (Methyl ethyl ketone) (MEK)	15	15	--	--	--	--	--	--	--	--	<0.00059	<0.00059	<0.0049	--	--	--	--	--	--	--	--	--	--	--	<0.00059	<0.0049	
2-Chlorotoluene	0.49	0.49	--	--	--	--	--	--	--	--	<0.00012	<0.00012	--	--	--	--	--	--	--	--	--	--	--	--	<0.00012	--	
2-Hexanone	1.2	1.2	--	--	--	--	--	--	--	--	<0.0012	<0.0012	<0.0021	--	--	--	--	--	--	--	--	--	--	--	<0.0012	<0.0021	
2-Phenylbutane (sec-Butylbenzene)	0.98	0.98	--	--	--	--	--	--	--	--	<0.00005	<0.00005	--	--	--	--	--	--	--	--	--	--	--	--	<0.00005	--	
4-Chlorotoluene	0.49	0.49	--	--	--	--	--	--	--	--	<0.00014	<0.00014	--	--	--	--	--	--	--	--	--	--	--	--	<0.00014	--	
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	2	2	--	--	--	--	--	--	--	--	<0.00042	<0.00042	<0.0020	--	--	--	--	--	--	--	--	--	--	--	<0.00042	<0.0020	
Acetone	22	22	--	--	--	--	--	--	--	--	<0.0374	<0.0316	<0.0049	--	--	--	--	--	--	--	--	--	--	--	<0.0049	<0.0049	
Benzene	0.005	0.005	--	--	--	--	--	--	--	--	<0.00006	<0.00006	<0.00046	--	--	--	--	--	--	--	--	--	--	--	<0.00006	<0.00046	
Bromobenzene	0.2	0.2	--	--	--	--	--	--	--	--	<0.0001	<0.0001	--	--	--	--	--	--	--	--	--	--	--	--	<0.0001	--	
Bromodichloromethane	0.08	0.08	--	--	--	--	--	--	--	--	<0.00019	<0.00019	<0.00050	--	--	--	--	--	--	--	--	--	--	--	<0.00019	<0.00050	
Bromoform	0.08	0.08	--	--	--	--	--	--	--	--	<0.00007	<0.00007	<0.00023	--	--	--	--	--	--	--	--	--	--	--	<0.00007	<0.00023	
Bromomethane (Methyl bromide)	0.034	0.034	--	--	--	--	--	--	--	--	<0.00016	<0.00016	<0.0012	--	--	--	--	--	--	--	--	--	--	--	<0.00016	<0.0012	
Carbon disulfide	2.4	2.4	--	--	--	--	--	--	--	--	<0.00012	<0.00012	<0.0013	--	--	--	--	--	--	--	--	--	--	--	<0.00012	<0.0013	
Carbon tetrachloride	0.005	0.005	--	--	--	--	--	--	--	--	<0.00018	<0.00018	<0.00044	--	--	--	--	--	--	--	--	--	--	--	<0.00018	<0.00044	
Chlorobenzene	0.1	0.1	--	--	--	--	--	--	--	--	<0.00021	<0.00021	<0.00037	--	--	--	--	--	--	--	--	--	--	--	<0.00021	<0.00037	
Chlorobromomethane	0.98	0.98	--	--	--	--	--	--	--	--	<0.00015	<0.00015	--	--	--	--	--	--	--	--	--	--	--	--	<0.00015	--	
Chloroethane	9.8	9.8	--	--	--	--	--	--	--	--	<0.00015	<0.00015	<0.00095	--	--	--	--	--	--	--	--	--	--	--	<0.00015	<0.00095	
Chloroform (Trichloromethane)	0.08	0.08	--	--	--	--	--	--	--	--	<0.00014	<0.00014	<0.0012	--	--	--	--	--	--	--	--	--	--	--	<0.00014	<0.0012	
Chloromethane (Methyl chloride)	0.07	0.07	--	--	--	--	--	--	--	--	<0.00017	<0.00017	<0.0011	--	--	--	--	--	--	--	--	--	--	--	<0.00017	<0.0011	
cis-1,2-Dichloroethene	0.07	0.07	<0.00113	<0.00113	<0.00113	<0.00113	<0.00114	<0.00113	<0.00113	<0.000126	<0.00008	<0.00008	<0.0011	<0.000126	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113	<0.000126	<0.0011	
cis-1,3-Dichloropropene	0.0017	0.0017	--	--	--	--	--	--	--	--	<0.00014	<0.00014	<0.00045	--	--	--	--	--	--	--	--	--	--	--	<0.00014	<0.00045	
Cyclohexane	120	120	--	--	--	--	--	--	--	--	--	--	<0.00026	--	--	--	--	--	--	--	--	--	--	--	--	<0.00026	--
Cymene (p-Isopropyltoluene)	2.4	2.4	--	--	--	--	--	--	--	--	<0.0001	<0.0001	<0.00046	--	--	--	--	--	--	--	--	--	--	--	<0.0001	<0.00046	
Dibromochloromethane	0.08	0.08	--	--	--	--	--	--	--	--	<0.00021	<0.00021	<0.00034	--	--	--	--	--	--	--	--	--	--	--	<0.00021	<0.00034	
Dibromomethane	0.12	0.12	--	--	--	--	--	--	--	--	<0.00018	<0.00018	--	--	--	--	--	--	--	--	--	--	--	--	<0.00018	--	
Dichlorodifluoromethane (CFC-12)	4.9	4.9	--	--	--	--	--	--	--	--	<0.00021	<0.00021	<0.0028	--	--	--	--	--	--	--	--	--	--	--	<0.00021	<0.0028	
Ethylbenzene	0.7	0.7	--	--	--	--	--	--	--	--	<0.00018	<0.00018	<0.00046	--	--	--	--	--	--	--	--	--	--	--	<0.00018	<0.00046	
Hexachlorobutadiene	0.012	0.012	--	--	--	--	--	--	--	--	<0.00018	<0.00018	--	--	--	--	--	--	--	--	--	--	--	--	<0.00018	--	
Isopropyl benzene	2.4	2.4	--	--	--																						

Table 4

Groundwater Data Summary
Former Baker Hughes Process and Pipeline Services Facility
7721 Pinemont Drive, Houston Texas

Sample ID: Sample Date:	RALs	Critical PCLs	MW-12 11/29/2017	MW-12 1/26/2021	MW-12 4/28/2021	MW-12 07/19/2021	MW-12 10/25/2021	MW-12-Dup 10/26/2021	MW-12 01/17/2022	MW-12-Dup 01/18/2022	MW-12 01/17/2022	MW-12 Dup 01/17/2022	MW-12 07/11/2022	MW-12 6/06/2023	MW-13 11/29/2017	MW-13 1/26/2021	MW-13 4/27/2021	MW-13 07/19/2021	MW-13 10/25/2021	MW-13 01/17/2022	MW-13 1/17/2022	MW-13 07/11/2022	MW-13 06/06/2023	MW-14 8/29/2019	MW-14-DUP 8/30/2019
Volatile Organic Compounds																									
1,1,1,2-Tetrachloroethane	0.035	0.035	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	0.2	0.2	<0.00048	--	--	--	--	--	--	--	--	--	--	--	<0.00048	--	--	--	--	--	--	--	--	<0.00069	<0.00069
1,1,2,2-Tetrachloroethane	0.0046	0.0046	<0.00043	--	--	--	--	--	--	--	--	--	--	--	<0.00043	--	--	--	--	--	--	--	--	<0.0015	<0.0015
1,1,2-Trichloroethane	0.005	0.005	<0.00029	--	--	--	--	--	--	--	--	--	--	--	<0.00029	--	--	--	--	--	--	--	--	<0.0013	<0.0013
1,1-Dichloroethane	4.9	4.9	<0.0012	--	--	--	--	--	--	--	--	--	--	--	<0.0012	--	--	--	--	--	--	--	--	<0.0012	<0.0012
1,1-Dichloroethene	0.007	0.007	<0.0011	<0.000188	<0.00109	<0.00109	<0.00109	<0.00109	<0.00109	<0.00109	<0.00109	<0.00109	<0.00109	<0.00109	<0.0011	<0.000188	<0.00109	<0.00109	<0.00109	<0.00109	<0.00109	<0.00109	<0.00109	<0.00109	<0.00109
1,1-Dichloropropene	0.0091	0.0091	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	0.073	0.073	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	0.00003	0.00003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	0.07	0.07	<0.00037	--	--	--	--	--	--	--	--	--	--	--	<0.00037	--	--	--	--	--	--	--	--	<0.00050	<0.00050
1,2,4-Trimethylbenzene	0.83	0.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	0.0002	0.0002	<0.00092	--	--	--	--	--	--	--	--	--	--	--	<0.00092	--	--	--	--	--	--	--	--	<0.0060	--
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.00005	<0.00029	--	--	--	--	--	--	--	--	--	--	--	<0.00029	--	--	--	--	--	--	--	--	<0.00045	<0.00045
1,2-Dichlorobenzene	0.6	0.6	<0.00037	--	--	--	--	--	--	--	--	--	--	--	<0.00037	--	--	--	--	--	--	--	--	0.015	--
1,2-Dichloroethane	0.005	0.005	<0.0011	--	--	--	--	--	--	--	--	--	--	--	<0.0011	--	--	--	--	--	--	--	--	<0.0011	<0.0011
1,2-Dichloroethene (total)	NA	NA	<0.0023	--	--	--	--	--	--	--	--	--	--	--	<0.0023	--	--	--	--	--	--	--	--	<0.0023	<0.0023
1,2-Dichloropropane	0.005	0.005	<0.00049	--	--	--	--	--	--	--	--	--	--	--	<0.00049	--	--	--	--	--	--	--	--	<0.00049	<0.00049
1,3,5-Trimethylbenzene	0.83	0.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	0.73	0.73	<0.00040	--	--	--	--	--	--	--	--	--	--	--	<0.00040	--	--	--	--	--	--	--	--	<0.00043	<0.00043
1,3-Dichloropropane	0.0091	0.0091	<0.00022	--	--	--	--	--	--	--	--	--	--	--	<0.00022	--	--	--	--	--	--	--	--	<0.00088	<0.00088
1,4-Dichlorobenzene	0.075	0.075	<0.00040	--	--	--	--	--	--	--	--	--	--	--	<0.00040	--	--	--	--	--	--	--	--	<0.00040	<0.00040
2,2-Dichloropropane	0.013	0.013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (Methyl ethyl ketone) (MEK)	15	15	<0.0049	--	--	--	--	--	--	--	--	--	--	--	<0.0049	--	--	--	--	--	--	--	--	<0.0049	<0.0049
2-Chlorotoluene	0.49	0.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	1.2	1.2	<0.0021	--	--	--	--	--	--	--	--	--	--	--	<0.0021	--	--	--	--	--	--	--	--	<0.0025	<0.0025
2-Phenylbutane (sec-Butylbenzene)	0.98	0.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	0.49	0.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	2	2	<0.0020	--	--	--	--	--	--	--	--	--	--	--	<0.0020	--	--	--	--	--	--	--	--	<0.0083	<0.0083
Acetone	22	22	<0.0049	--	--	--	--	--	--	--	--	--	--	--	<0.0049	--	--	--	--	--	--	--	--	<0.025	<0.025
Benzene	0.005	0.005	<0.00046	--	--	--	--	--	--	--	--	--	--	--	<0.00046	--	--	--	--	--	--	--	--	<0.00049	<0.00049
Bromobenzene	0.2	0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	0.08	0.08	<0.00050	--	--	--	--	--	--	--	--	--	--	--	<0.00050	--	--	--	--	--	--	--	--	<0.00050	<0.00050
Bromoform	0.08	0.08	<0.00023	--	--	--	--	--	--	--	--	--	--	--	<0.00023	--	--	--	--	--	--	--	--	<0.0075	<0.0075
Bromomethane (Methyl bromide)	0.034	0.034	<0.0012	--	--	--	--	--	--	--	--	--	--	--	<0.0012	--	--	--	--	--	--	--	--	<0.0012	<0.0012
Carbon disulfide	2.4	2.4	<0.0013	--	--	--	--	--	--	--	--	--	--	--	<0.0013	--	--	--	--	--	--	--	--	<0.0013	<0.0013
Carbon tetrachloride	0.005	0.005	<0.00044	--	--	--	--	--	--	--	--	--	--	--	<0.00044	--	--	--	--	--	--	--	--	<0.0011	<0.0011
Chlorobenzene	0.1	0.1	<0.00037	--	--	--	--	--	--	--	--	--	--	--	<0.00037	--	--	--	--	--	--	--	--	<0.00037	<0.00037
Chlorobromomethane	0.98	0.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	9.8	9.8	<0.00095	--	--	--	--	--	--	--	--	--	--	--	<0.00095	--	--	--	--	--	--	--	--	<0.00095	<0.00095
Chloroform (Trichloromethane)	0.08	0.08	<0.0012	--	--	--	--	--	--	--	--	--	--	--	<0.0012	--	--	--	--	--	--	--	--	0.0033 J	0.0034 J
Chloromethane (Methyl chloride)	0.07	0.07	<0.0011	--	--	--	--	--	--	--	--	--	--	--	<0.0011	--	--	--	--	--	--	--	--	<0.0011	<0.0011
cis-1,2-Dichloroethene	0.07	0.07	<0.0011	<0.000126	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113	<0.0011	<0.000126	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113
cis-1,3-Dichloropropene	0.0017	0.0017	<0.00045	--	--	--	--	--	--	--	--	--	--	--	<0.00045	--	--	--	--	--	--	--	--	<0.0018	<0.0018
Cyclohexane	120	120	<0.00026	--	--	--	--	--	--	--	--	--	--	--	<0.00026	--	--	--	--	--	--	--	--	<0.0011	<0.0011
Cymene (p-Isopropyltoluene)	2.4	2.4	<0.00046	--	--	--	--	--	--	--	--	--	--	--	<0.00046	--	--	--	--	--	--	--	--	<0.00046	--
Dibromochloromethane	0.08	0.08	<0.00034	--	--	--	--	--	--	--	--	--	--	--	<0.00034	--	--	--	--	--	--	--	--	<0.00040	<0.00040
Dibromomethane	0.12	0.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane (CFC-12)	4.9	4.9	<0.0028	--	--	--	--	--	--	--	--	--	--	--	<0.0028	--	--	--	--	--	--	--	--	<0.0028	<0.0028
Ethylbenzene	0.7	0.7	<0.00046	--	--	--	--	--	--	--	--	--	--	--	<0.00046	--	--	--	--	--	--	--	--	<0.00046	<0.00046
Hexachlorobutadiene	0.012	0.012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropyl benzene	2.4	2.4	<0.00052	--	--	--	--	--	--	--	--	--	--	--	<0.00052	--	--	--	--	--	--	--	--	<0.00052	<0.00052
m&p-Xylenes	NA	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	24	24	<0.0020	--	--	--	--	--	--	--	--	--	--	--	<0.0020	--	--	--	--	--	--	--	--	<0.0020	<0.0020
Methyl cyclohexane	120	120	<0.00047	--	--	--	--	--	--	--	--	--	--	--	<0.00047	--	--	--	--	--	--	--	--	<0.0016	<0.0016
Methyl tert butyl ether (MTBE)	0.015	0.015	<0.0011	--	--	--	--	--	--	--	--	--	--	--	<0.0011	--	--	--	--	--	--	--	--	<0.0011	<0.0011
Methylene chloride	0.005	0.005	<0.0030	<0.000430	<0.0100																				

Appendix F

APPENDIX F

If the plume extends beyond the limits of property owners listed in this application, list the property owners of the additional property beneath which the plume(s) extend(s), and a summary of interactions with those property owners about the plume(s) and this MSD application. Please Note: You are not required under this item to notify affected property owners, only to provide a summary of who affected property owners are, and if there have been any communications. "No contact" can be an acceptable answer

Not Applicable, as the PCL exceedances at MW-4 are believed to be impacted by an off site source.

Appendix G

APPENDIX G

*A statement as to whether the source of the plume has been removed, the plume of contamination is stable (i.e. no change), or contracting, and the plume is delineated, **with the basis for that statement.** Please include historical sampling data.*

Stability Assessment Approach

The groundwater monitoring well network is comprised of 14 wells, of which 8 are sampled on a regular basis. Groundwater is currently impacted with contaminant concentrations exceeding TRRP Tier 1 RALs and (critical protective concentration levels [PCLs] for the Site) at two locations:

1. Monitor well MW-1, located in the middle of the Site in the immediate area of the drainage outfall from the historical parts washer drain oil/water separator, has been identified as the on Site source zone as described in the Affected Property Assessment Report (APAR) (GHD, 2018) and Addendum to the APAR (GHD, 2019) which were approved by the TCEQ on February 6, 2020. This area of contamination appears to be spatially limited, as groundwater samples collected at a second well approximately 175 feet downgradient (monitor well MW-10) have not contained any appreciable concentrations of chlorinated solvents.
2. Monitor well MW-4, located on the west boundary of the Site downgradient from neighboring industrial facilities and believed impacted by off Site sources. MW-4 is hydraulically up gradient from the on-Site source zone. This assertion was supported by the TCEQ in the February 6, 2020, APAR approval letter. Again, this area of contamination appears to be spatially limited, as groundwater from three adjacent downgradient wells (MW-7, MW-12, and MW-13) has had no detectable concentrations of chlorinated solvents over the 2016 through 2021 monitoring period. Therefore, the COCs found in this monitor well (MW-4) are not associated with the on-Site Affected Property.

Given the limited spatial extent of contaminated groundwater the statistical stability analysis focused on temporal trends in contaminant concentrations in groundwater, as no trends in spatial occurrence (i.e., plume migration) are evident in the data. The only other samples collected to date having any detectable chlorinated solvent concentrations were isolated occurrences and mainly estimated (J qualified) detections below the reporting limit. These include one sample from monitor well MW-2 in 2016 with no detections in any following samples, one sample from monitor well MW-3 in 2017 again with no detection in any following samples, and two samples from monitor well MW-5 in 2016 and 2017, that were not replicated in the subsequent sample collected at this well.

The stability of contaminant concentrations in groundwater samples from monitor wells MW-1 and MW-4 were therefore assessed on an individual well basis utilizing a statistical trend test. The selected test is the Mann Kendall (M K) trend test, which is recommended for the analysis of environmental monitoring data by the United States Environmental Protection Agency (USEPA, 2009) and the United States Geological Survey (USGS, 2020), as well as various authors of environmental statistics textbooks (e.g., Gilbert, 1987; Gibbons, 1994). Two data scopes were considered: (i) all data (2016 through 2023) representing overall trends; and (ii) recent data (2021 through 2023) representing the most current patterns in contaminant concentrations.

The Mann Kendall trend test is a non-parametric (rank based) method that evaluates a set of data for a monotonic (unidirectional) trend result. The procedure makes no assumptions regarding the shape of the trend (e.g., linear, log linear), except that the trend is in a single direction (i.e., either consistently upward or downward). In implementing the Mann Kendall trend test a significance level of 0.05 (i.e., 95 percent confidence) was used, meaning that the false positive rate (concluding a significant trend when none is present) is no greater than 5 percent. In order to accommodate the presence of censored data (non-detect results) in many data sets, the following approach was used. If a given data set contained more than 50 percent non detects or had fewer than 4 detected values, no trend testing was performed. Otherwise, any non-detect results were considered to be tied (of equal value) and having lower concentrations than any detected values. This assumption was made to prevent any variation in detection limits influencing the Mann Kendall trend test results. The data were also screened for any cases where low level detections (e.g., J qualified estimated values) were present below reporting limits resulting in ambiguous comparisons with non-detect results and requiring accommodation on a case by case basis (e.g., treating the low detect as a non-detect or excluding non-detect results from the trend test).

A second set of statistical group comparison tests were applied to supplement the findings of the M K test, specifically either the Student's t test or the Mann Whitney/Wilcoxon Rank Sum test was utilized to compare mean (t test) or median (M W/WRS test) concentrations between the quarterly samples from 2021 through 2023 versus 2016 and 2017. This second set of analyses was performed due to the observation of a time gap in the middle of the monitoring record, where no samples were collected during the 2018 through 2020 period. The M K trend test makes an implicit assumption that the sampling interval is consistent across the period of interest and gives each successive observation equal weight in the test. Since the Site's monitoring data have the noted time gap in the middle, the group comparison tests (t test and M W/WRS) look for a change in conditions during the recent (2021 through 2023) sample group as a whole compared to the historical (2016 and 2017) sample group. By doing both sets of tests a more sensitive trend assessment is accomplished.

The two sample Student's t test (Section 3.3.1.1 of USEPA, 2006) tests for differences in the mean of two populations. This test assumes that both populations are normally distributed, or normal using a suitable transformation (e.g., gamma or log transformation) and that the population variances of the two groups are approximately equal. The t test was utilized when both recent and historical data sets had a discernible distribution and contained at least half detected values. Where this was not the case, the M W/WRS test was used instead.

The M W/WRS test compares the medians of two groups of data to look for significant differences based on a selected significance level. It is a non-parametric (rank based) test, and therefore does not make data distribution assumptions (e.g., normality) and is not strongly influenced by any outliers present. The test is slightly less powerful than the analogous parametric test (the Student's t test) under ideal conditions (i.e., normal distributions, no outliers, equal variances between groups) but is more powerful for most environmental data sets, in which skewed distributions and outlying data are frequently encountered. Additionally, the M W/WRS test accommodates censored data (i.e., non-detects) without any additional treatment or assumptions (e.g., substitution with the detection limit or a fraction thereof). The M W/WRS tests were conducted similarly to the t tests by comparing the recent data (2021 through 2023) to the historical data (2016 and 2017) group, looking for either increases or decreases (i.e., using 2 sided tests). Tests were conducted as long as a minimum of 4 detected values were present over the pooled data set. In certain cases, non-detect results with elevated detection limits (above other detected results) were present, resulting in ambiguous data comparisons (e.g., the test requires ranking results relative to one another and a result of <2.6 micrograms per liter [$\mu\text{g/L}$] may not be definitively assigned as higher or lower than 0.42 $\mu\text{g/L}$). In these cases, the elevated non-detects were excluded from consideration in

order to be able to perform the test without any ambiguity. This occurred infrequently, and the resulting number of samples retained for testing met or exceeded base test requirements.

For all statistical testing, field duplicate results were averaged prior to statistical calculations. If one field duplicate was a detected value and the other a non-detect, the detected result was conservatively retained to represent a maximum estimate of the analyte concentration.

Plume Delineation Statement

The chlorinated solvent plume at the Site has been delineated to residential, ingestion-based ^{GW}GW_{Ing} PCLs since December 2016; and as of the groundwater monitoring event completed in June 2023, it remains delineated to the applicable ^{GW}GW_{Ing} RALs.

Plume Stability Assessment Findings

The first statistical element of the stability analysis was concentration trend testing. The results of the trend tests are presented in Table 1 (2016 through 2023) and in Table 2 (2021 through 2023) presented below. Supporting trend plots (concentration versus time) are provided in figures 1 through 16. Note, that monitor well MW-14 is not included in the tables or plots since it has only been sampled once and its groundwater did not contain concentrations of chlorinated solvents in exceedance of RALs.

Groundwater concentrations of chlorinated solvent parameters at historical source area monitor well MW-1 were observed to be stable, i.e., no statistically significant trends were observed considered the overall period and statistically significant decreasing trends were observed during the recent period.

At off Site impact area monitor well MW-4 groundwater concentrations of chlorinated solvent parameters were observed to be stable during the overall and recent periods.

Inspecting the trend plots in Figures 1 through 16, at monitor well MW-1 the groundwater concentrations of PCE and TCE are clearly elevated in 2021/2023 compared to the 2016 and 2017 period (approximately 10 times the concentrations, up to above 0.1 mg/L from the original below 0.01 mg/L concentrations. For monitor well MW-4, the chlorinated solvent concentrations appear to decrease from 2016 to 2017 to the beginning of 2021 and then increase again throughout 2021 and 2022 to end up at similar or higher concentrations than present historically. However, 2023 results appear to be lower than 2022 results.

The relative concentrations of the chlorinated solvents in groundwater appear different between monitor well MW-1 (on Site source) and monitor well MW-4 (off Site source), with the monitor well MW-1 having predominantly cis-1,2-DCE and VC, and monitor well MW-4 having fairly equal concentrations of PCE, TCE, and 1,1-DCE but proportionately more 1,1-DCE than does groundwater sampled at monitor well MW-1.

The second statistical element of the stability analysis was the group comparison test (2021 through 2023 versus 2016 and 2017). The results of these tests are provided in Table 3 of this Appendix. The results are not so comparable with the overall trend test findings (Table 1) in that PCE, TCE, and VC increased in groundwater from monitor well MW-1 between 2016 and 2017 and 2021 through 2023. However, at monitor well MW-4 results are somewhat comparable, in that cis-1,2-DCE and trans-1,2-DCE concentrations changed significantly in groundwater. The trend plots illustrate these findings.

The RALs (Tier 1 PCL values) are included on the trend plots in Figures 1 through 16 of this Appendix, which indicate that currently concentrations in groundwater collected from the wells consistently exceed the criteria for:

- cis-1,2-DCE at monitor well MW-1 (100x PCL).
- PCE, and TCE at monitor well MW-1 (50x PCL).
- VC at monitor well MW-1 (100x PCL).
- 1,1-DCE, and cis-1,2-DCE at monitor well MW-4 (<10x PCL).
- PCE, and TCE at monitor well MW-4 (20x PCL).
- VC at monitor well MW-4 (only marginally above PCL).

Other parameters have sporadically been present at concentrations above their PCLs in groundwater collected from these two wells.

Conclusions

The limited spatial extent of chlorinated solvent impacts in groundwater under the Site makes it a good candidate for an MSD designation. Laboratory analyses of samples collected between 2016 through 2021 have consistently demonstrated that impacted groundwater is restricted to the areas around monitor well MW-1 (on Site historical source) and monitor well MW-4 (off Site source). Groundwater collected from other wells near these two, has not contained PCE, TCE or any of their breakdown products at concentrations exceeding TRRP Tier 1 PCLs, and in fact have mainly been absent entirely (i.e., not detected above lab reporting limits).

At monitor well MW-1 (on Site source area), concentrations of PCE, TCE, and VC in groundwater increased between 2016 and 2017 and 2021 through 2023 but were decreasing during 2021 through 2023. With Baker Hughes ceasing operations at the Site, the apparent change in conditions over the past 5 years could be due to activities of the current business occupying the Site, or alternatively a rebound effect of residual source material near the parts washer drain oil and water separator. In either case, sampling at monitor well MW-10 downgradient has found no detectable concentrations of any chlorinated solvents in groundwater, and thus significant migration of contamination is not evident in this area.

At monitor well MW-4 (off Site source area), chlorinated solvent concentrations in groundwater at the beginning of 2021 were generally lower than in 2016 and 2017 (see trend plots in Figures 1 through 16), increasing during 2022, but stable in 2023. This pattern may be due to a seasonal effect causing low concentrations in winter and spring 2021 and 2022 or some other variation in the off-Site source. However, once again the spatial spread of groundwater contamination in this area is currently quite limited, with no detectable concentrations of chlorinated solvents in any samples collected from the three nearest monitor wells (MW-7, MW-12, and MW-13) downgradient of the monitor well MW-4 impacts.

Under an MSD, groundwater underlying the Site would need to not pose a significant risk to human health (considering non potable use and incidental contact only) or environmental receptors. Since the limited areas of impact are under mainly paved surfaces and the water table is located approximately 12 to 18 ft bgs, human and ecological receptor exposure is not expected unless substantial digging activities occur, in which case risk control measures would be applied. With no migration of contaminated groundwater apparent in the 2016 through 2022 data, exposure at any off-Site locations (e.g., a groundwater/surface water interface) is similarly not expected. Thus, conditions at the Site appear quite favorable for an MSD.

Additional sampling in 2023 showed that concentrations of chlorinated solvents in groundwater from monitor wells MW-1 and MW-4 have been stable or decreasing over time. Statistically significant differences between

2016 and 2017, and 2021 through 2023 were still observed, therefore continuing to sample over the next 2 to 4 years could demonstrate longer term consistency in the limited spatial extent, and the continued potential stability in concentrations of chlorinated solvents in groundwater over time, underlying the Site.

In summary, the designated property meets the MSD eligibility criteria regarding plume stability due to the following:

- No ongoing source of chlorinated solvents appears to exist at the site because the historical parts washer drain oil/water separator is no longer in operation;
- While no active remedial measures have been deployed at the site, natural attenuation processes appear to be ongoing based on the presence of PCE daughter products;
- PCL exceedances of all site COCs have been delineated to the applicable RALs.
- COC concentrations at MW-1 and MW-4 have been stable or decreasing over time based on Mann Kendall trend tests.
- The all-constituent PCLE Zone in groundwater has remained stable in terms of total area from monitoring period to monitoring period.

Table 1

Mann-Kendall Trend Tests Results
Groundwater Monitoring Data
Former Baker Hughes Process and Pipeline Services Facility
7721 Pinemont Drive, Houston, Texas

Well	Analyte	Date Range	Number of Samples	Number of Detects	Percent ND	Minimum (mg/L)	Maximum (mg/L)	Mann-Kendall Trend Test Results		
								Stat.	Prob.	Conclusion
MW-1										
	1,1-Dichloroethene	12/2016 - 6/2023	11 ⁽¹⁾	11	0%	0.00185	0.00770	-9	0.533	No trend
	cis-1,2-Dichloroethene	12/2016 - 6/2023	12	12	0%	3.91	8.72	-8	0.631	No trend
	Methylene chloride	12/2016 - 6/2023	12	0	100%	<0.00015	<0.0215	--	--	100% ND
	Tetrachloroethene	12/2016 - 6/2023	12	12	0%	0.004	0.154	4	0.837	No trend
	trans-1,2-Dichloroethene	12/2016 - 6/2023	12	12	0%	0.00918	0.0570	-13	0.409	No trend
	Trichloroethene	12/2016 - 6/2023	12	12	0%	0.0071	0.198	7	0.680	No trend
	Vinyl chloride	12/2016 - 6/2023	12	12	0%	0.28	0.522	10	0.537	No trend
MW-2										
	1,1-Dichloroethene	12/2016 - 11/2017	3	0	100%	<0.000192	<0.0011	--	--	Insufficient data
	cis-1,2-Dichloroethene	12/2016 - 11/2017	3	1	67%	<0.00008	0.00245	--	--	Insufficient data
	Methylene chloride	12/2016 - 11/2017	3	0	100%	<0.00015	<0.0030	--	--	Insufficient data
	Tetrachloroethene	12/2016 - 11/2017	3	0	100%	<0.0001	<0.00047	--	--	Insufficient data
	trans-1,2-Dichloroethene	12/2016 - 11/2017	3	0	100%	<0.000192	<0.0012	--	--	Insufficient data
	Trichloroethene	12/2016 - 11/2017	3	0	100%	<0.000138	<0.00048	--	--	Insufficient data
	Vinyl chloride	12/2016 - 11/2017	3	0	100%	<0.00013	<0.00093	--	--	Insufficient data
MW-3/3R										
	1,1-Dichloroethene	12/2016 - 6/2023	11	0	100%	<0.000188 / <0.000188	<0.0011	--	--	100% ND
	cis-1,2-Dichloroethene	12/2016 - 6/2023	11	1	91%	<0.000126 / <0.000126	0.0043	--	--	<4 detects
	Methylene chloride	12/2016 - 6/2023	11	0	100%	<0.00015	<0.0100	--	--	100% ND
	Tetrachloroethene	12/2016 - 6/2023	11	0	100%	<0.0001	<0.00155	--	--	100% ND
	trans-1,2-Dichloroethene	12/2016 - 6/2023	11	0	100%	<0.000149 / <0.000149	<0.0012	--	--	100% ND
	Trichloroethene	12/2016 - 6/2023	11	0	100%	<0.000138	<0.000595	--	--	100% ND
	Vinyl chloride	12/2016 - 6/2023	11	1	91%	0.00016 J	<0.000932	--	--	<4 detects
MW-4										
	1,1-Dichloroethene	12/2016 - 6/2023	12	12	0%	0.00742	0.0330	0	1.000	No trend
	cis-1,2-Dichloroethene	12/2016 - 6/2023	12	12	0%	0.0910	0.327	26	0.086	No trend
	Methylene chloride	12/2016 - 6/2023	12	1	92%	<0.000176	<0.0100	--	--	<4 detects
	Tetrachloroethene	12/2016 - 6/2023	12	12	0%	0.0280	0.146	17	0.271	No trend
	trans-1,2-Dichloroethene	12/2016 - 6/2023	10 ⁽²⁾	10	0%	0.000621 J	0.00349 J / 0.00435 J	21	0.072	No trend
	Trichloroethene	12/2016 - 6/2023	12	12	0%	0.0358	0.111	10	0.537	No trend
	Vinyl chloride	12/2016 - 6/2023	12	8	33%	<0.000234	0.00238 J / 0.00267 J	12	0.441	No trend
MW-5										
	1,1-Dichloroethene	12/2016 - 11/2017	3	1	67%	<0.0002	<0.0011 / <0.0011	--	--	Insufficient data
	cis-1,2-Dichloroethene	12/2016 - 11/2017	3	0	100%	<0.00008	<0.0011 / <0.0011	--	--	Insufficient data
	Methylene chloride	12/2016 - 11/2017	3	0	100%	<0.00015	<0.0030 / <0.0030	--	--	Insufficient data
	Tetrachloroethene	12/2016 - 11/2017	3	2	33%	<0.00047 / <0.00047	0.00328 / 0.00309	--	--	Insufficient data
	trans-1,2-Dichloroethene	12/2016 - 11/2017	3	0	100%	<0.000192 / <0.000192	<0.0012 / <0.0012	--	--	Insufficient data
	Trichloroethene	12/2016 - 11/2017	3	2	33%	0.00048 J	0.0008 J / 0.000738 J	--	--	Insufficient data
	Vinyl chloride	12/2016 - 11/2017	3	0	100%	<0.00013	<0.00093 / <0.00093	--	--	Insufficient data

Mann-Kendall Trend Tests Results
Groundwater Monitoring Data
Former Baker Hughes Process and Pipeline Services Facility
7721 Pinemont Drive, Houston, Texas

Well	Analyte	Date Range	Number of Samples	Number of Detects	Percent ND	Minimum (mg/L)	Maximum (mg/L)	Mann-Kendall Trend Test Results		
								Stat.	Prob.	Conclusion
MW-6										
	1,1-Dichloroethene	7/2017 - 11/2017	2	0	100%	<0.0002	<0.0011	--	--	Insufficient data
	cis-1,2-Dichloroethene	7/2017 - 11/2017	2	0	100%	<0.00008	<0.0011	--	--	Insufficient data
	Methylene chloride	7/2017 - 11/2017	2	0	100%	<0.00015	<0.0030	--	--	Insufficient data
	Tetrachloroethene	7/2017 - 11/2017	2	0	100%	<0.0001	<0.00047	--	--	Insufficient data
	trans-1,2-Dichloroethene	7/2017 - 11/2017	2	0	100%	<0.0002	<0.0012	--	--	Insufficient data
	Trichloroethene	7/2017 - 11/2017	2	0	100%	<0.00017	<0.00048	--	--	Insufficient data
	Vinyl chloride	7/2017 - 11/2017	2	0	100%	<0.00013	<0.00093	--	--	Insufficient data
MW-7										
	1,1-Dichloroethene	7/2017 - 6/2023	9	0	100%	<0.000188	<0.0011	--	--	100% ND
	cis-1,2-Dichloroethene	7/2017 - 6/2023	9	0	100%	<0.00008	<0.00113	--	--	100% ND
	Methylene chloride	7/2017 - 6/2023	9	0	100%	<0.00015	<0.0100	--	--	100% ND
	Tetrachloroethene	7/2017 - 6/2023	9	0	100%	<0.0001	<0.00155	--	--	100% ND
	trans-1,2-Dichloroethene	7/2017 - 6/2023	9	0	100%	<0.000149	<0.0012	--	--	100% ND
	Trichloroethene	7/2017 - 6/2023	9	0	100%	<0.00017	<0.000595	--	--	100% ND
	Vinyl chloride	7/2017 - 6/2023	9	0	100%	<0.00013	<0.000932	--	--	100% ND
MW-8										
	1,1-Dichloroethene	7/2017 - 11/2017	2	0	100%	<0.0002	<0.0011	--	--	Insufficient data
	cis-1,2-Dichloroethene	7/2017 - 11/2017	2	0	100%	<0.00008	<0.0011	--	--	Insufficient data
	Methylene chloride	7/2017 - 11/2017	2	0	100%	<0.00015	<0.0030	--	--	Insufficient data
	Tetrachloroethene	7/2017 - 11/2017	2	0	100%	<0.0001	<0.00047	--	--	Insufficient data
	trans-1,2-Dichloroethene	7/2017 - 11/2017	2	0	100%	<0.0002	<0.0012	--	--	Insufficient data
	Trichloroethene	7/2017 - 11/2017	2	0	100%	<0.00017	<0.00048	--	--	Insufficient data
	Vinyl chloride	7/2017 - 11/2017	2	0	100%	<0.00013	<0.00093	--	--	Insufficient data
MW-9										
	1,1-Dichloroethene	7/2017 - 6/2023	9	0	100%	<0.000188 / <0.000188	<0.0011	--	--	100% ND
	cis-1,2-Dichloroethene	7/2017 - 6/2023	7	0	100%	<0.00008	<0.00113	--	--	100% ND
	Methylene chloride	7/2017 - 6/2023	9	0	100%	<0.00015	<0.0100 / <0.0100	--	--	100% ND
	Tetrachloroethene	7/2017 - 6/2023	9	1	89%	<0.0001	<0.00155 / <0.00155	--	--	<4 detects
	trans-1,2-Dichloroethene	7/2017 - 6/2023	9	0	100%	<0.000149 / <0.000149	<0.0012	--	--	100% ND
	Trichloroethene	7/2017 - 6/2023	7	0	100%	<0.00017	<0.000595	--	--	100% ND
	Vinyl chloride	7/2017 - 6/2023	9	0	100%	<0.00013	<0.000932 / <0.000932	--	--	100% ND
MW-10										
	1,1-Dichloroethene	7/2017 - 6/2023	11	0	100%	<0.000188	<0.0011	--	--	100% ND
	cis-1,2-Dichloroethene	7/2017 - 6/2023	9	1	89%	<0.00008 / <0.00008	0.00202 J	--	--	<4 detects
	Methylene chloride	7/2017 - 6/2023	11	0	100%	<0.00015 / <0.00015	<0.0100	--	--	100% ND
	Tetrachloroethene	7/2017 - 6/2023	11	0	100%	<0.0001 / <0.0001	<0.00155	--	--	100% ND
	trans-1,2-Dichloroethene	7/2017 - 6/2023	11	0	100%	<0.000149	<0.0012	--	--	100% ND
	Trichloroethene	7/2017 - 6/2023	9	0	100%	<0.00017 / <0.00017	<0.000595	--	--	100% ND
	Vinyl chloride	7/2017 - 6/2023	11	0	100%	<0.00013 / <0.00013	<0.000932	--	--	100% ND

Mann-Kendall Trend Tests Results
Groundwater Monitoring Data
Former Baker Hughes Process and Pipeline Services Facility
7721 Pinemont Drive, Houston, Texas

Well	Analyte	Date Range	Number of Samples	Number of Detects	Percent ND	Minimum (mg/L)	Maximum (mg/L)	Mann-Kendall Trend Test Results		
								Stat.	Prob.	Conclusion
MW-11										
	1,1-Dichloroethene	7/2017 - 11/2017	2	0	100%	<0.0002	<0.0011	--	--	Insufficient data
	cis-1,2-Dichloroethene	7/2017 - 11/2017	2	0	100%	<0.00008	<0.0011	--	--	Insufficient data
	Methylene chloride	7/2017 - 11/2017	2	0	100%	<0.00015	<0.0030	--	--	Insufficient data
	Tetrachloroethene	7/2017 - 11/2017	2	0	100%	<0.0001	<0.00047	--	--	Insufficient data
	trans-1,2-Dichloroethene	7/2017 - 11/2017	2	0	100%	<0.0002	<0.0012	--	--	Insufficient data
	Trichloroethene	7/2017 - 11/2017	2	0	100%	<0.00017	<0.00048	--	--	Insufficient data
	Vinyl chloride	7/2017 - 11/2017	2	0	100%	<0.00013	<0.00093	--	--	Insufficient data
MW-12										
	1,1-Dichloroethene	11/2017 - 6/2023	8	0	100%	<0.000188	<0.0011	--	--	100% ND
	cis-1,2-Dichloroethene	11/2017 - 6/2023	6	0	100%	<0.000126	<0.00113	--	--	100% ND
	Methylene chloride	11/2017 - 6/2023	8	0	100%	<0.000430	<0.0100	--	--	100% ND
	Tetrachloroethene	11/2017 - 6/2023	8	0	100%	<0.000300	<0.00155	--	--	100% ND
	trans-1,2-Dichloroethene	11/2017 - 6/2023	8	0	100%	<0.000149	<0.0012	--	--	100% ND
	Trichloroethene	11/2017 - 6/2023	6	0	100%	<0.00019	<0.000595	--	--	100% ND
	Vinyl chloride	11/2017 - 6/2023	8	0	100%	<0.000234	<0.000932	--	--	100% ND
MW-13										
	1,1-Dichloroethene	11/2017 - 6/2023	8	0	100%	<0.000188	<0.0011	--	--	100% ND
	cis-1,2-Dichloroethene	11/2017 - 6/2023	6	0	100%	<0.000126	<0.00113	--	--	100% ND
	Methylene chloride	11/2017 - 6/2023	8	0	100%	<0.000430	<0.0100	--	--	100% ND
	Tetrachloroethene	11/2017 - 6/2023	8	0	100%	<0.000300	<0.00155	--	--	100% ND
	trans-1,2-Dichloroethene	11/2017 - 6/2023	8	0	100%	<0.000149	<0.0012	--	--	100% ND
	Trichloroethene	11/2017 - 6/2023	6	0	100%	<0.00019	<0.000595	--	--	100% ND
	Vinyl chloride	11/2017 - 6/2023	8	0	100%	<0.000234	<0.000932	--	--	100% ND

Notes:

>50% ND: non-detects rate between 50 and 99 percent, no test was performed.

100% ND: no detected values in the data set, no test was performed.

Statistic: calculated as the sum of the signs of all possible pair-wise data comparisons

Probability of significance: A value less than 0.05 indicates greater than 95 percent confidence of a statistically significant trend for data sets with more than 4 observations. A value less than 0.1 indicates greater than 90 percent confidence of a statistically significant trend for data sets with 4 observations

(1) One non detect (<0.00940 mg/L in April 2022) with detection limit above detected values was excluded from the trend test.

(2) Two non detects (<0.0012 mg/L in November 2017 and <0.00117 mg/L in April 2021) with detection limit above detected values were excluded from the trend test.

Mann-Kendall Trend Tests Results
Recent Groundwater Monitoring Data
Former Baker Hughes Process and Pipeline Services Facility
7721 Pinemont Drive, Houston, Texas

Well	Analyte	Date Range	Number of Samples	Number of Detects	Percent ND	Minimum (mg/L)	Maximum (mg/L)	Mann-Kendall Trend Test Results		
								Stat.	Prob.	Conclusion
MW-1										
	1,1-Dichloroethene	4/2021 - 6/2023	7 ⁽¹⁾	7	0%	0.00282	0.00770	-15	0.030	Decreasing
	cis-1,2-Dichloroethene	4/2021 - 6/2023	8	8	0%	3.91	8.72	-18	0.032	Decreasing
	Methylene chloride	4/2021 - 6/2023	8	0	100%	<0.000430	<0.0215	--	--	100% ND
	Tetrachloroethene	4/2021 - 6/2023	8	8	0%	0.0325 J	0.154	-22	0.006	Decreasing
	trans-1,2-Dichloroethene	4/2021 - 6/2023	8	8	0%	0.00918	0.0570	-19	0.023	Decreasing
	Trichloroethene	4/2021 - 6/2023	8	8	0%	0.105	0.198	-21	0.010	Decreasing
	Vinyl chloride	4/2021 - 6/2023	8	8	0%	0.284	0.522	-8	0.398	No trend
MW-4										
	1,1-Dichloroethene	4/2021 - 6/2023	8	8	0%	0.0104	0.0330	2	0.904	No trend
	cis-1,2-Dichloroethene	4/2021 - 6/2023	8	8	0%	0.132	0.327	10	0.276	No trend
	Methylene chloride	4/2021 - 6/2023	8	0	100%	<0.000430	<0.0100	--	--	100% ND
	Tetrachloroethene	4/2021 - 6/2023	8	8	0%	0.0373	0.146	6	0.548	No trend
	trans-1,2-Dichloroethene	4/2021 - 6/2023	7 ⁽²⁾	7	0%	0.00134 J	0.0349 J / 0.0043	5	0.562	No trend
	Trichloroethene	4/2021 - 6/2023	8	8	0%	0.0507	0.111	6	0.548	No trend
	Vinyl chloride	4/2021 - 6/2023	8	6	25%	<0.000932	0.0238 J / 0.0026	13	0.143	No trend

Notes:

100% ND: no detected values in the data set, no test was performed.

Statistic: calculated as the sum of the signs of all possible pair-wise data comparisons

Probability of significance: A value less than 0.05 indicates greater than 95 percent confidence of a statistically significant trend for data sets with more than 4 observations. A value less than 0.1 indicates greater than 90 percent confidence of a statistically significant trend for data sets with 4 observations

⁽¹⁾ One non-detect (<0.00940 mg/L in April 2022) with detection limit above detected values was excluded from the trend test.

⁽²⁾ One non-detect (<0.00117 mg/L in April 2021) with detection limit above detected values was excluded from the trend test.

Group Comparisons Tests Results
Groundwater Monitoring Data
Former Baker Hughes Process and Pipeline Services Facility
7721 Pinemont Drive, Houston, Texas

Well	Analyte	2016/2017 Data		2021/2022 Data		Group Comparison Test			
		N	Mean	N	Mean	test	Statistic	Probability	Conclusion
MW-1									
	1,1-Dichloroethene	3	0.004	8 ⁽¹⁾	0.005	t-test	-1.11	0.328	NSD
	cis-1,2-Dichloroethene	3	--	9	--	WRS	8.00	0.309	NSD
	Methylene chloride	3	--	9	--	--	--	--	100% ND
	Tetrachloroethene	3	0.004	9	0.096	t-test	-6.16	3E-04	2021/2023 > 2016/2017
	trans-1,2-Dichloroethene	3	0.029	9	0.025	t-test	0.30	0.782	NSD
	Trichloroethene	3	0.008	9	0.143	t-test	-11.5	3E-06	2021/2023 > 2016/2017
	Vinyl chloride	3	0.291	9	0.414	t-test	-3.93	0.003	2021/2023 > 2016/2017
MW-4									
	1,1-Dichloroethene	3	0.019	11	0.018	t-test	0.49	0.635	NSD
	cis-1,2-Dichloroethene	3	0.172	11	0.231	t-test	-2.17	0.051	2021/2023 > 2016/2017
	Methylene chloride	3	--	11	--	--	--	--	>50% ND
	Tetrachloroethene	3	0.084	11	0.104	t-test	-0.95	0.381	NSD
	trans-1,2-Dichloroethene	3	0.0015	10 ⁽²⁾	0.0026	t-test	-2.87	0.015	2021/2023 > 2016/2017
	Trichloroethene	3	0.076	11	0.078	t-test	-0.20	0.848	NSD
	Vinyl chloride	3	0.001	11	0.001	t-test	0.18	0.862	NSD

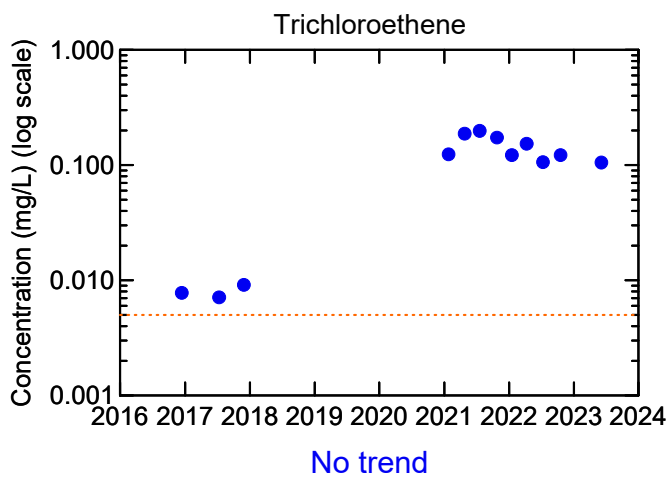
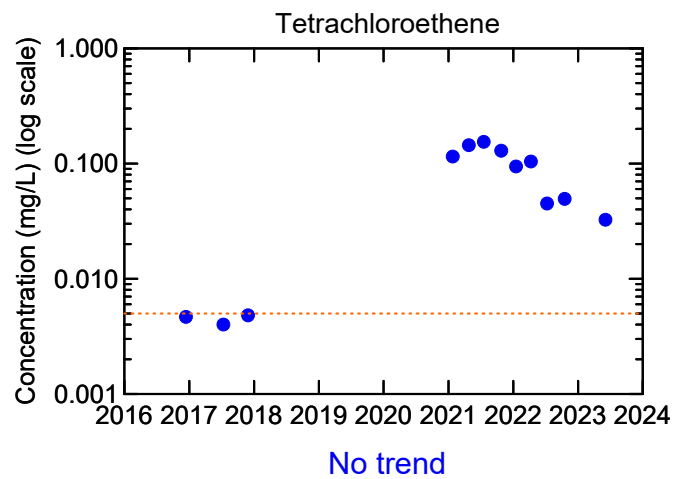
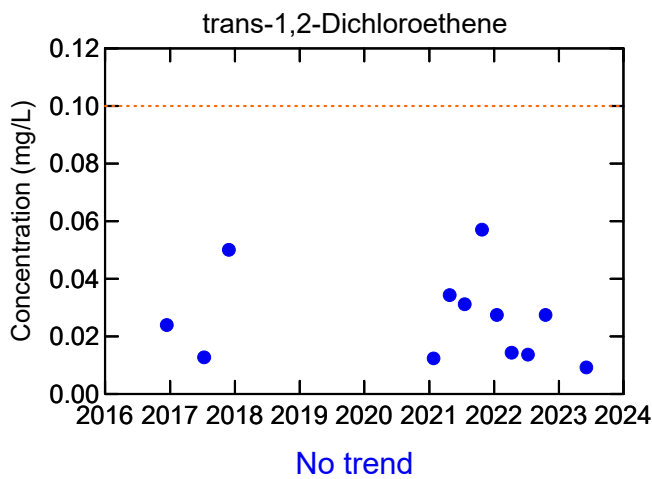
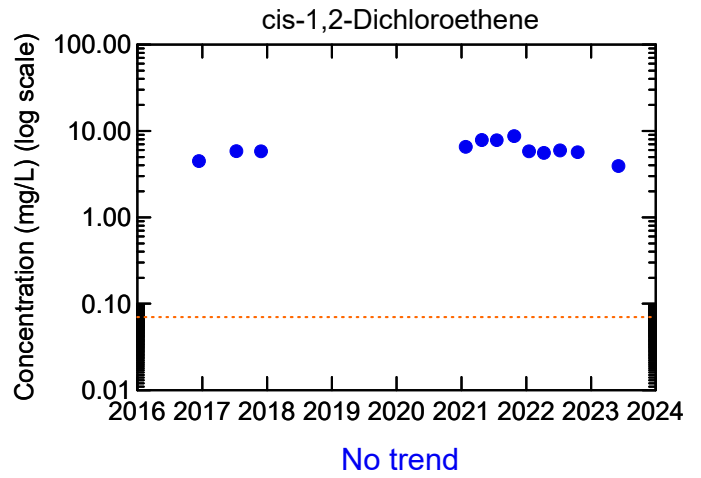
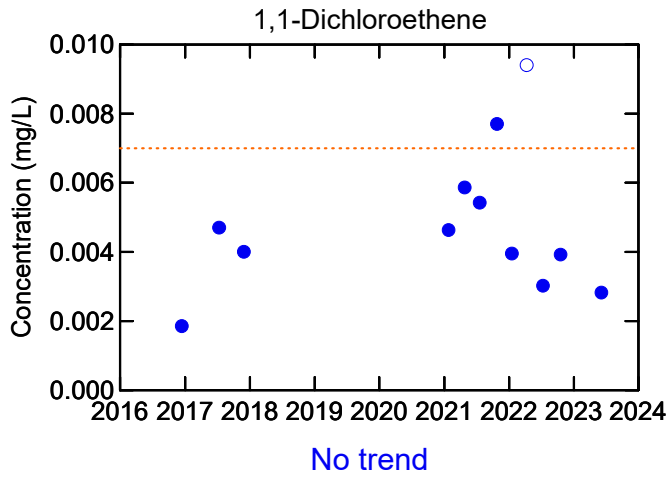
Notes:

NSD - Not a statistically significant difference

100% ND - data were all non-detects, no test was performed

>50% ND - there was only one detected value, no test was performed

⁽¹⁾ One non-detect (<0.00940 mg/L in April 2022) with detection limit above detected values was excluded from the test.⁽²⁾ One non-detect (<0.00117 mg/L in April 2021) with detection limit above detected values was excluded from the test.



Legend:

- Detected result
- Non-detect
- Tier 1 Residential PCL

Notes:

Non-detects, shown by empty symbols, are plotted at detection limit.
Trend results are reported from tests conducted at a 95 percent confidence level and were calculated for the period between 2016 - 2023.

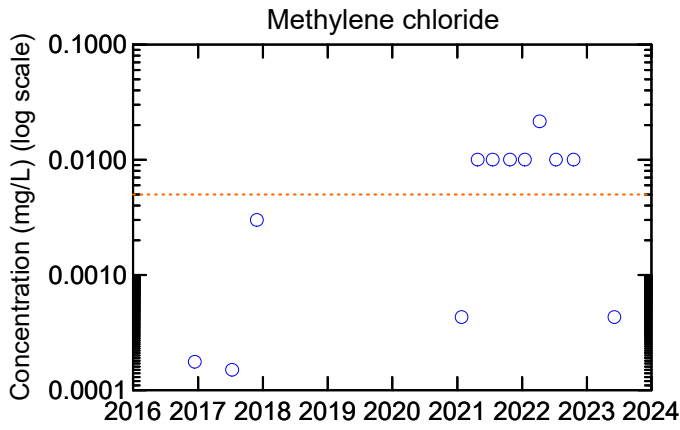


Former Baker Hughes Process and Pipeline Services Facility
Houston, Texas

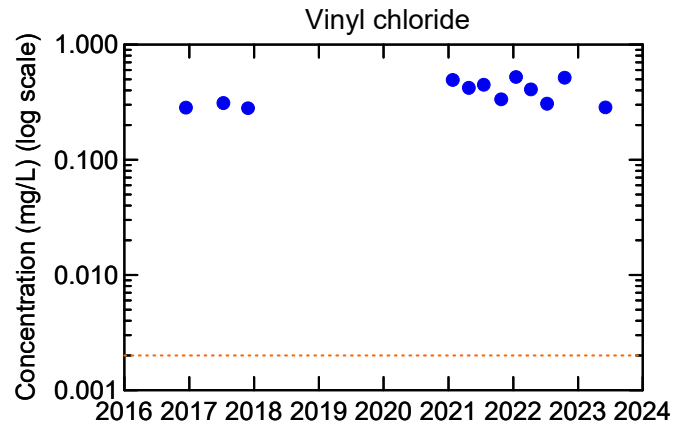
Project No. 11222312
Date: Aug 23, 2023

WELL MW-1
ANALYTE CONCENTRATION vs. TIME

figure 1



No detected results



No trend

Legend:

- Detected result
- Non-detect
- Tier 1 Residential PCL

Notes:

Non-detects, shown by empty symbols, are plotted at detection limit.
Trend results are reported from tests conducted at a 95 percent confidence level and were calculated for the period between 2016 - 2023.

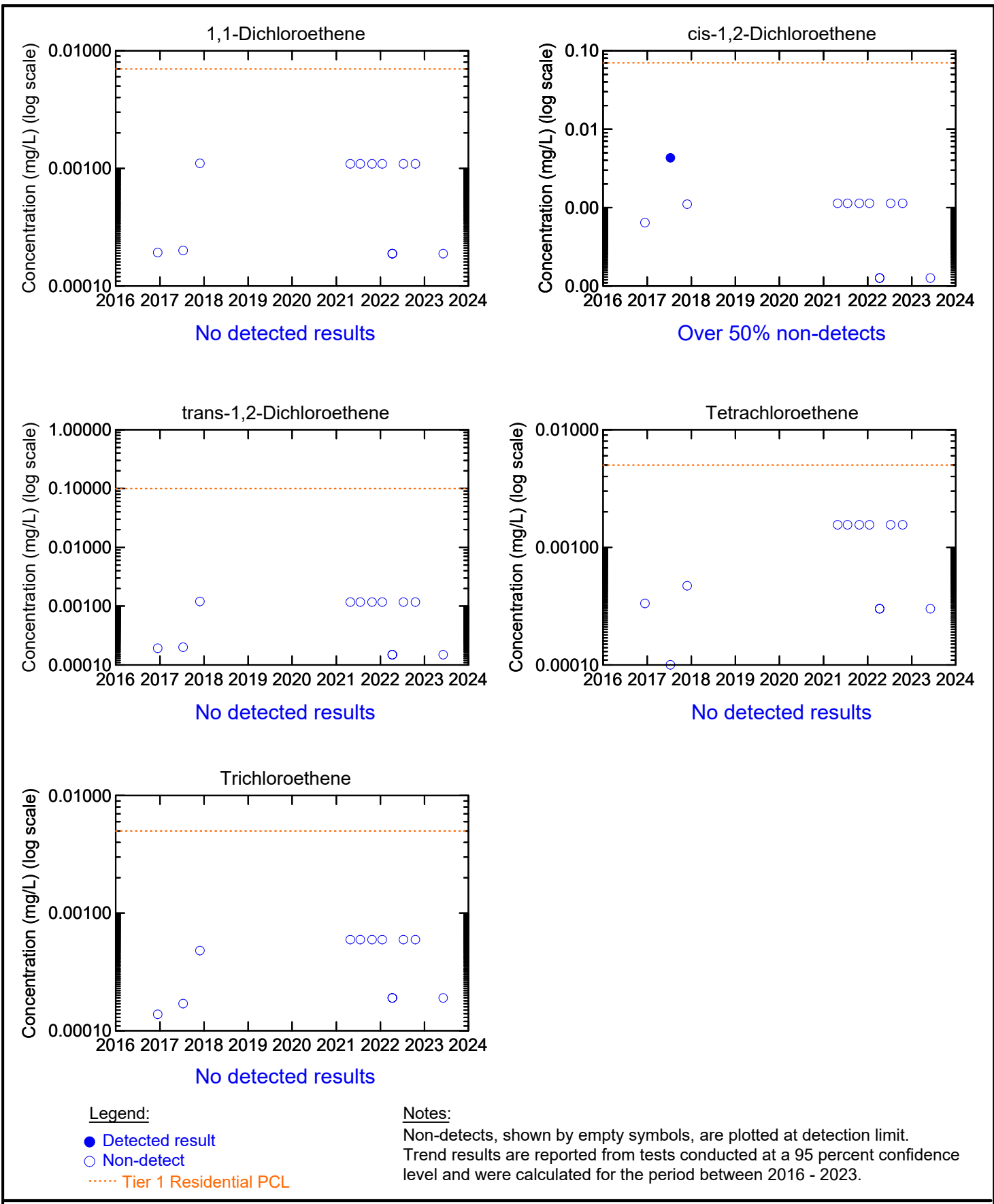


Former Baker Hughes Process and Pipeline Services Facility
Houston, Texas

Project No. 11222312
Date: Aug 24, 2023

WELL MW-1
ANALYTE CONCENTRATION vs. TIME

figure 2

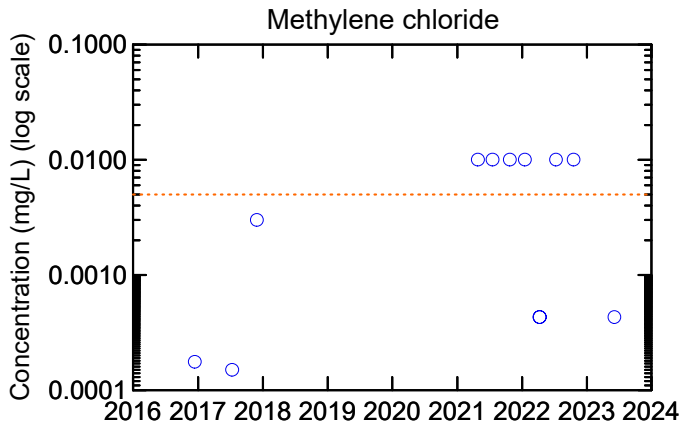


Former Baker Hughes Process and Pipeline Services Facility
 Houston, Texas

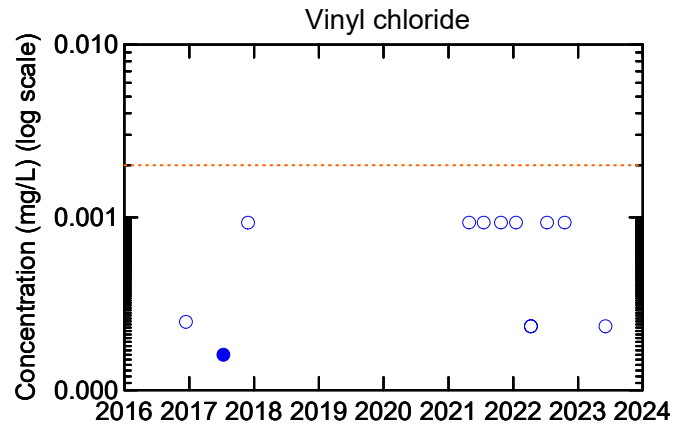
Project No. 11222312
 Date: Aug 24, 2023

WELL MW-3/3R
ANALYTE CONCENTRATION vs. TIME

figure 3



No detected results



Over 50% non-detects

Legend:

- Detected result
- Non-detect
- Tier 1 Residential PCL

Notes:

Non-detects, shown by empty symbols, are plotted at detection limit.
Trend results are reported from tests conducted at a 95 percent confidence level and were calculated for the period between 2016 - 2023.

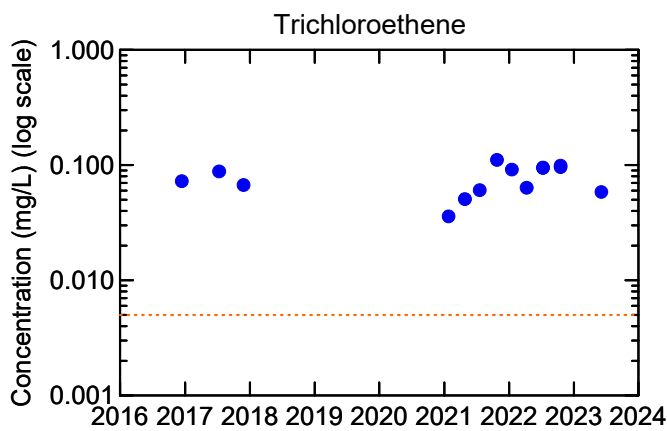
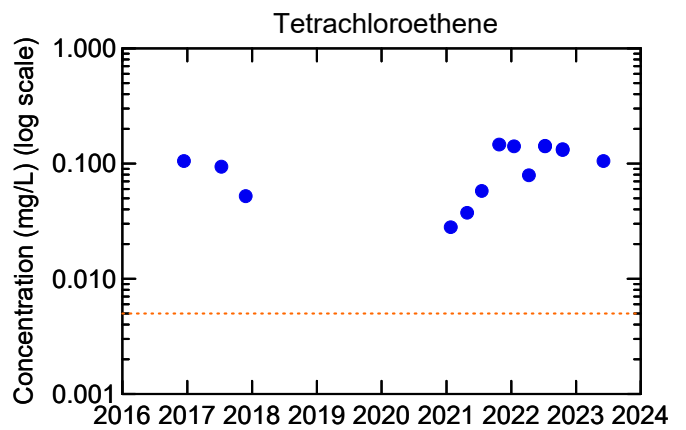
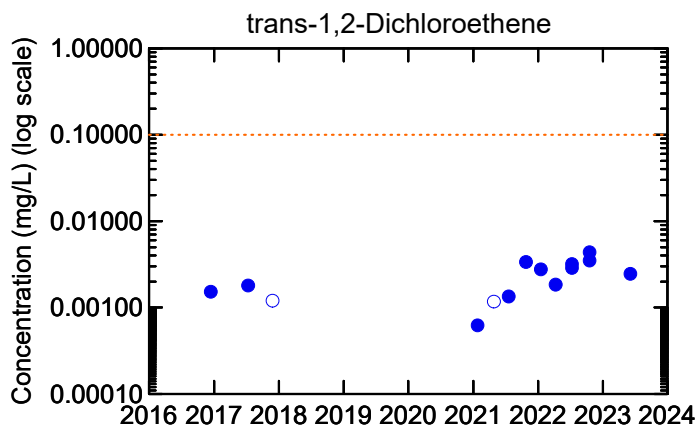
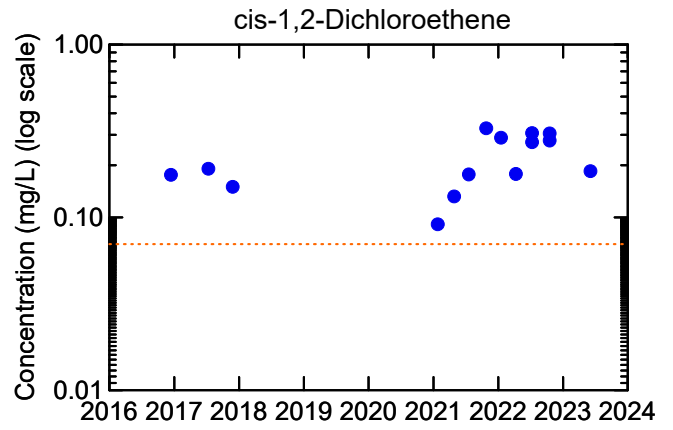
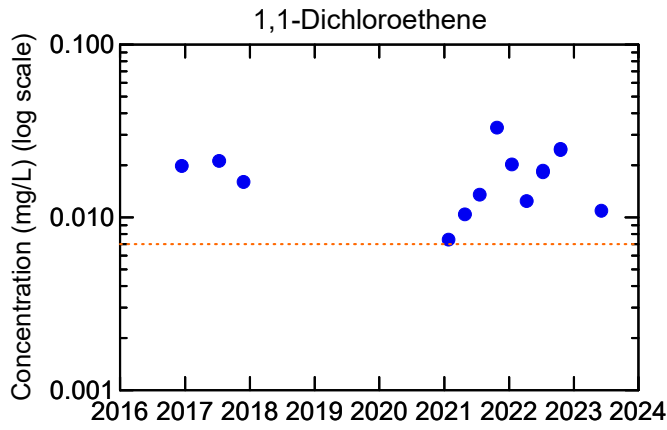


Former Baker Hughes Process and Pipeline Services Facility
Houston, Texas

Project No. 11222312
Date: Aug 24, 2023

WELL MW-3/3R
ANALYTE CONCENTRATION vs. TIME

figure 4



Legend:

- Detected result
- Non-detect
- Tier 1 Residential PCL

Notes:

Non-detects, shown by empty symbols, are plotted at detection limit.
Trend results are reported from tests conducted at a 95 percent confidence level and were calculated for the period between 2016 - 2023.

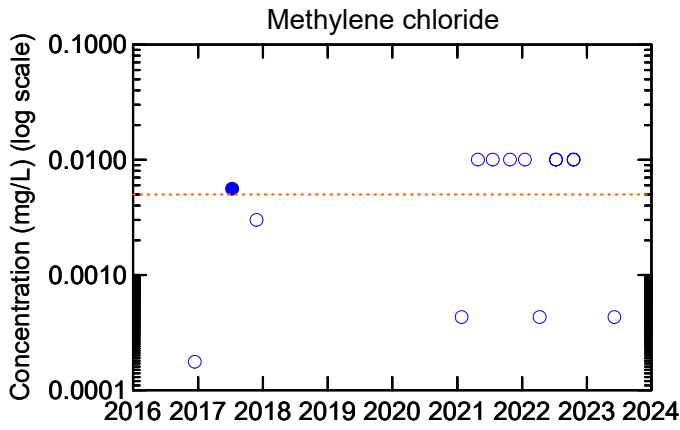


Former Baker Hughes Process and Pipeline Services Facility
Houston, Texas

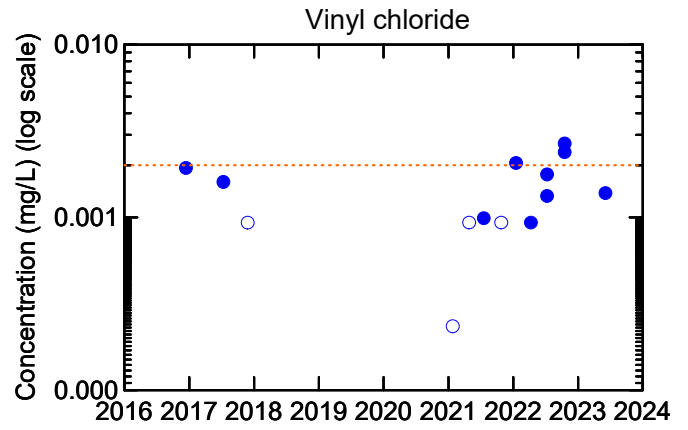
Project No. 11222312
Date: Aug 24, 2023

WELL MW-4
ANALYTE CONCENTRATION vs. TIME

figure 5



Over 50% non-detects



No trend

Legend:

- Detected result
- Non-detect
- Tier 1 Residential PCL

Notes:

Non-detects, shown by empty symbols, are plotted at detection limit.
Trend results are reported from tests conducted at a 95 percent confidence level and were calculated for the period between 2016 - 2023.

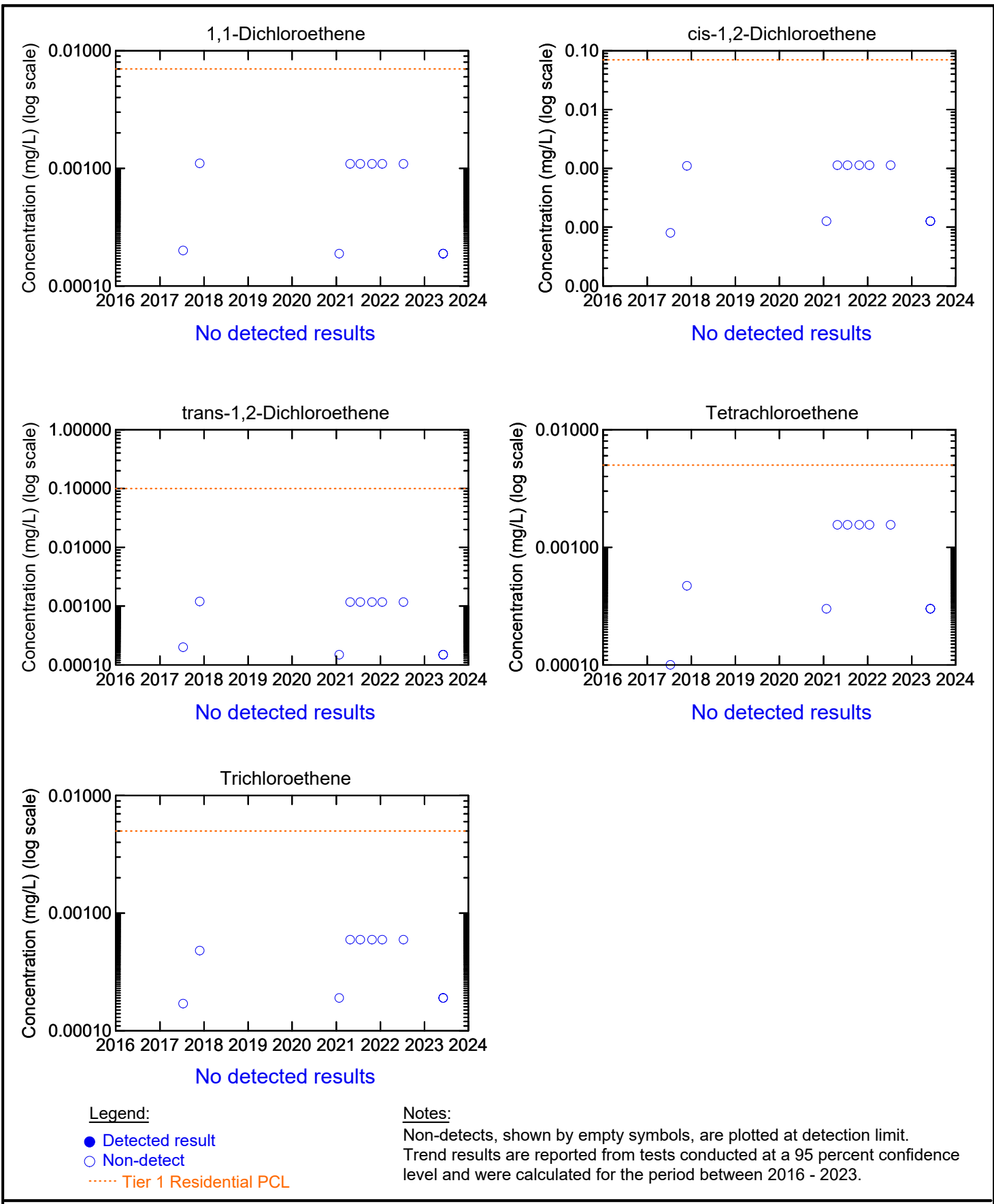


Former Baker Hughes Process and Pipeline Services Facility
Houston, Texas

Project No. 11222312
Date: Aug 24, 2023

WELL MW-4
ANALYTE CONCENTRATION vs. TIME

figure 6

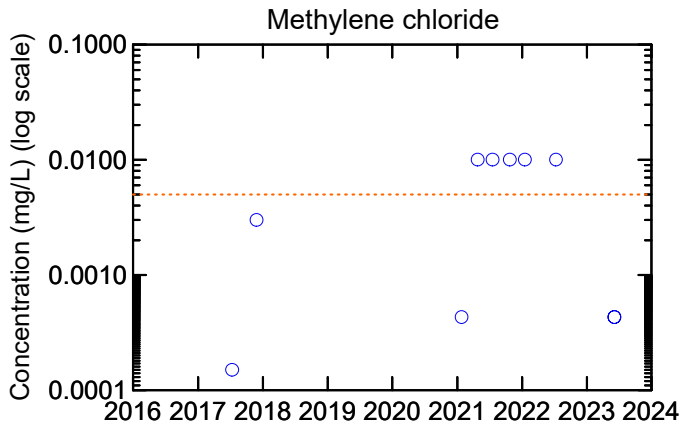


Former Baker Hughes Process and Pipeline Services Facility
Houston, Texas

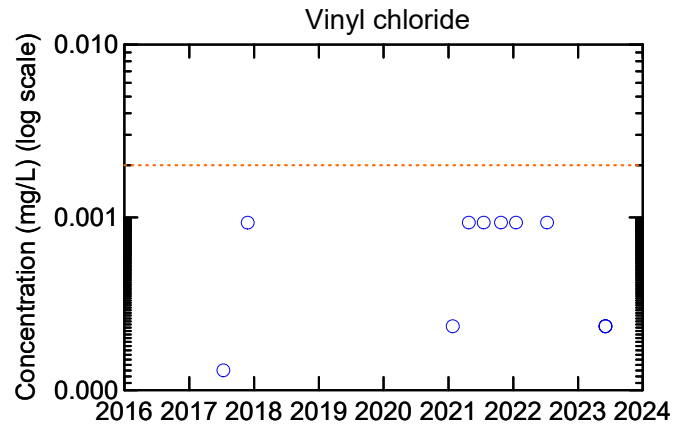
Project No. 11222312
Date: Aug 24, 2023

WELL MW-7
ANALYTE CONCENTRATION vs. TIME

figure 7



No detected results



No detected results

Legend:

- Detected result
- Non-detect
- Tier 1 Residential PCL

Notes:

Non-detects, shown by empty symbols, are plotted at detection limit.
Trend results are reported from tests conducted at a 95 percent confidence level and were calculated for the period between 2016 - 2023.

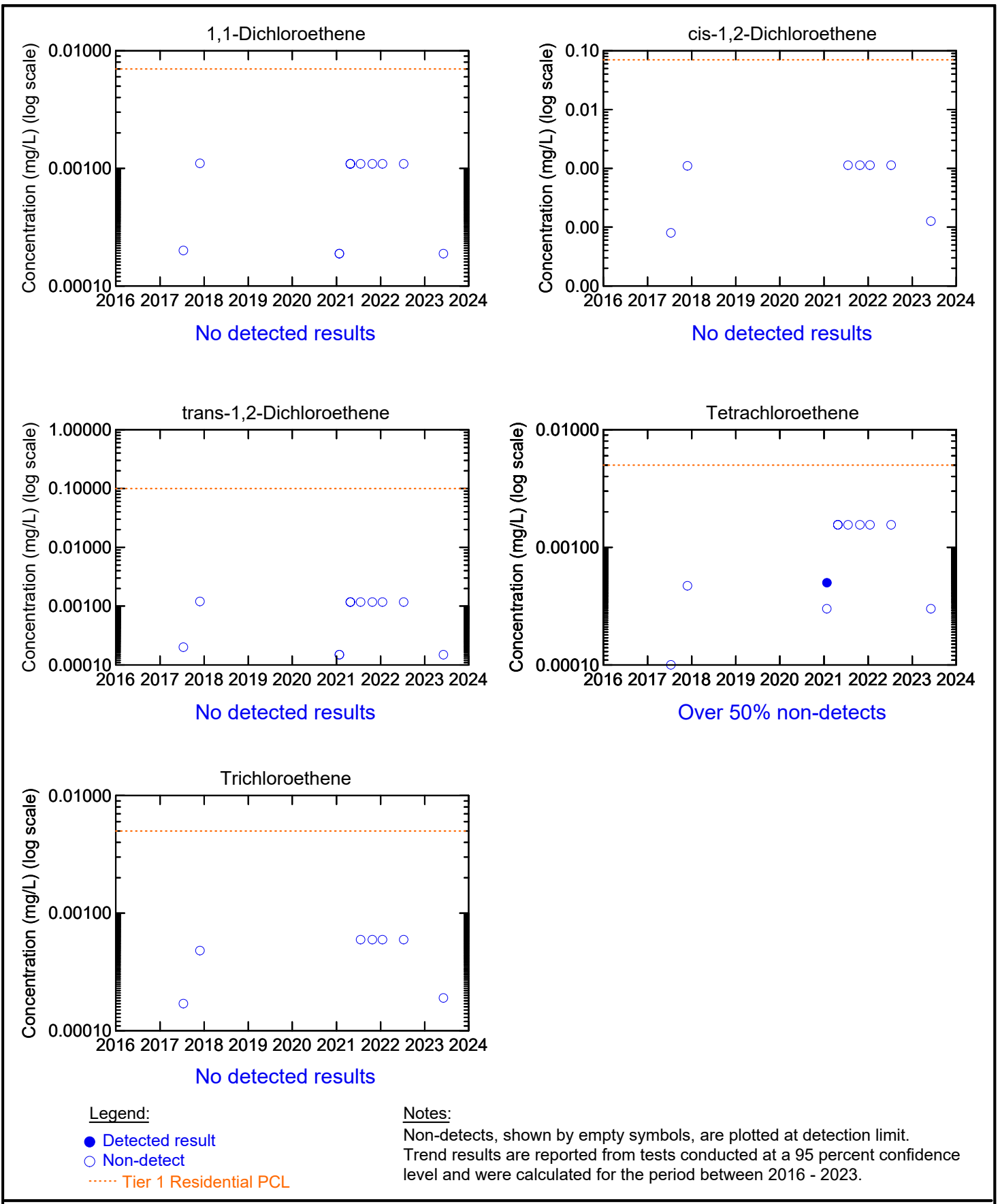


Former Baker Hughes Process and Pipeline Services Facility
Houston, Texas

Project No. 11222312
Date: Aug 24, 2023

WELL MW-7
ANALYTE CONCENTRATION vs. TIME

figure 8

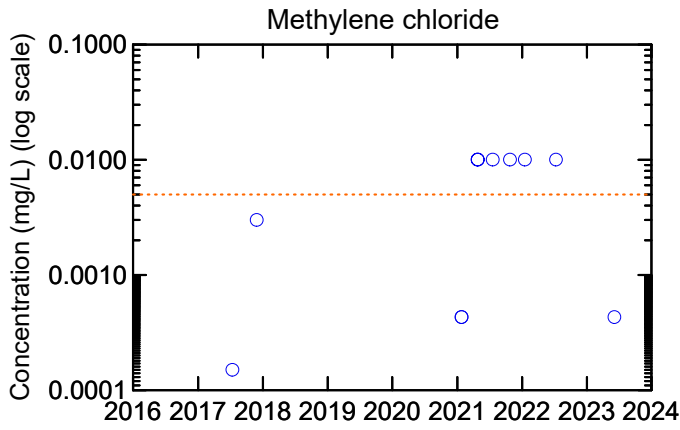


Former Baker Hughes Process and Pipeline Services Facility
Houston, Texas

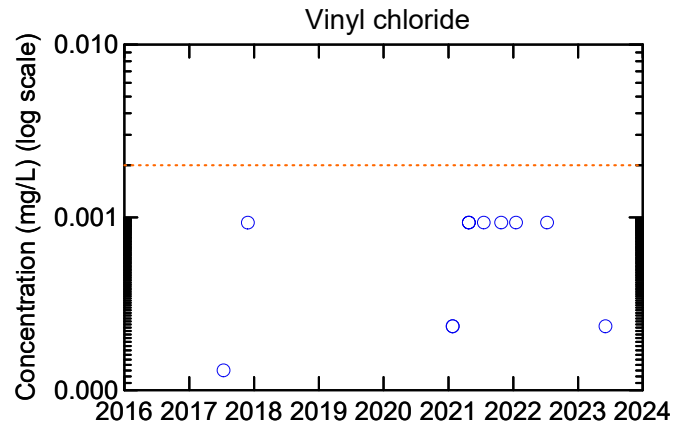
Project No. 11222312
Date: Aug 24, 2023

WELL MW-9
ANALYTE CONCENTRATION vs. TIME

figure 9



No detected results



No detected results

Legend:

- Detected result
- Non-detect
- Tier 1 Residential PCL

Notes:

Non-detects, shown by empty symbols, are plotted at detection limit.
Trend results are reported from tests conducted at a 95 percent confidence level and were calculated for the period between 2016 - 2023.

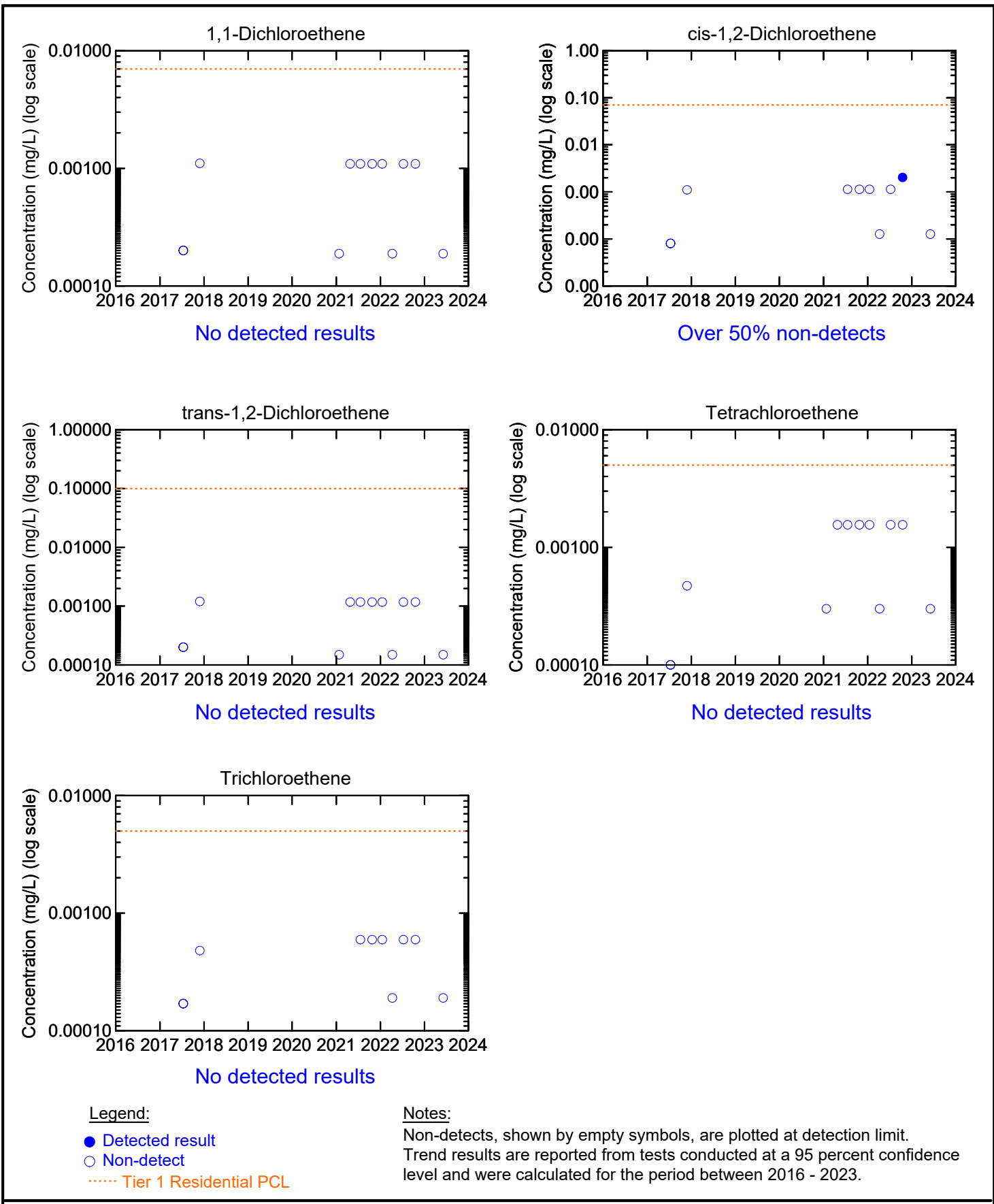


Former Baker Hughes Process and Pipeline Services Facility
Houston, Texas

Project No. 11222312
Date: Aug 24, 2023

WELL MW-9
ANALYTE CONCENTRATION vs. TIME

figure 10

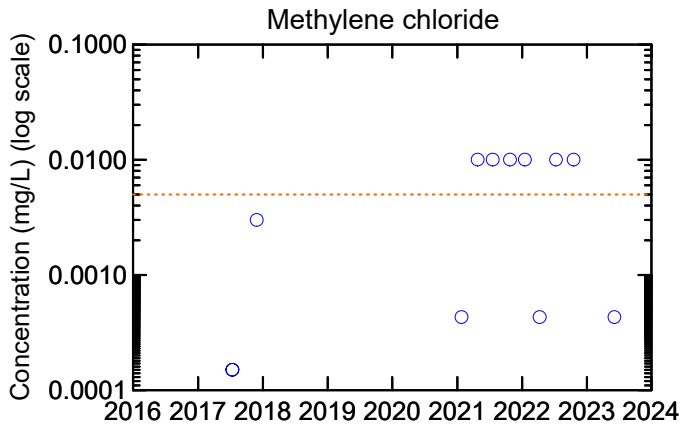


Former Baker Hughes Process and Pipeline Services Facility
Houston, Texas

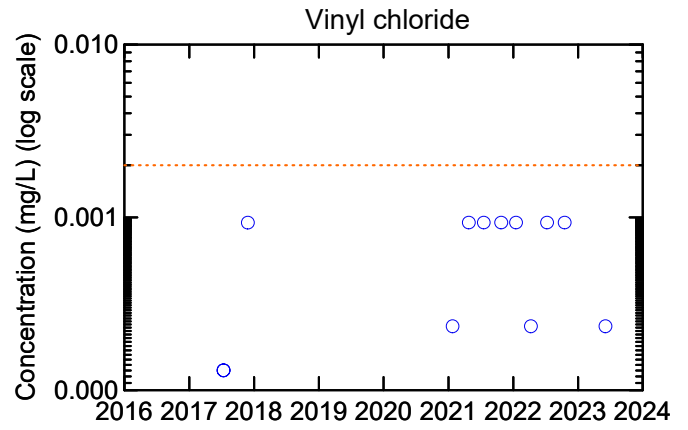
Project No. 11222312
Date: Aug 24, 2023

WELL MW-10
ANALYTE CONCENTRATION vs. TIME

figure 11



No detected results



No detected results

Legend:

- Detected result
- Non-detect
- Tier 1 Residential PCL

Notes:

Non-detects, shown by empty symbols, are plotted at detection limit.
Trend results are reported from tests conducted at a 95 percent confidence level and were calculated for the period between 2016 - 2023.

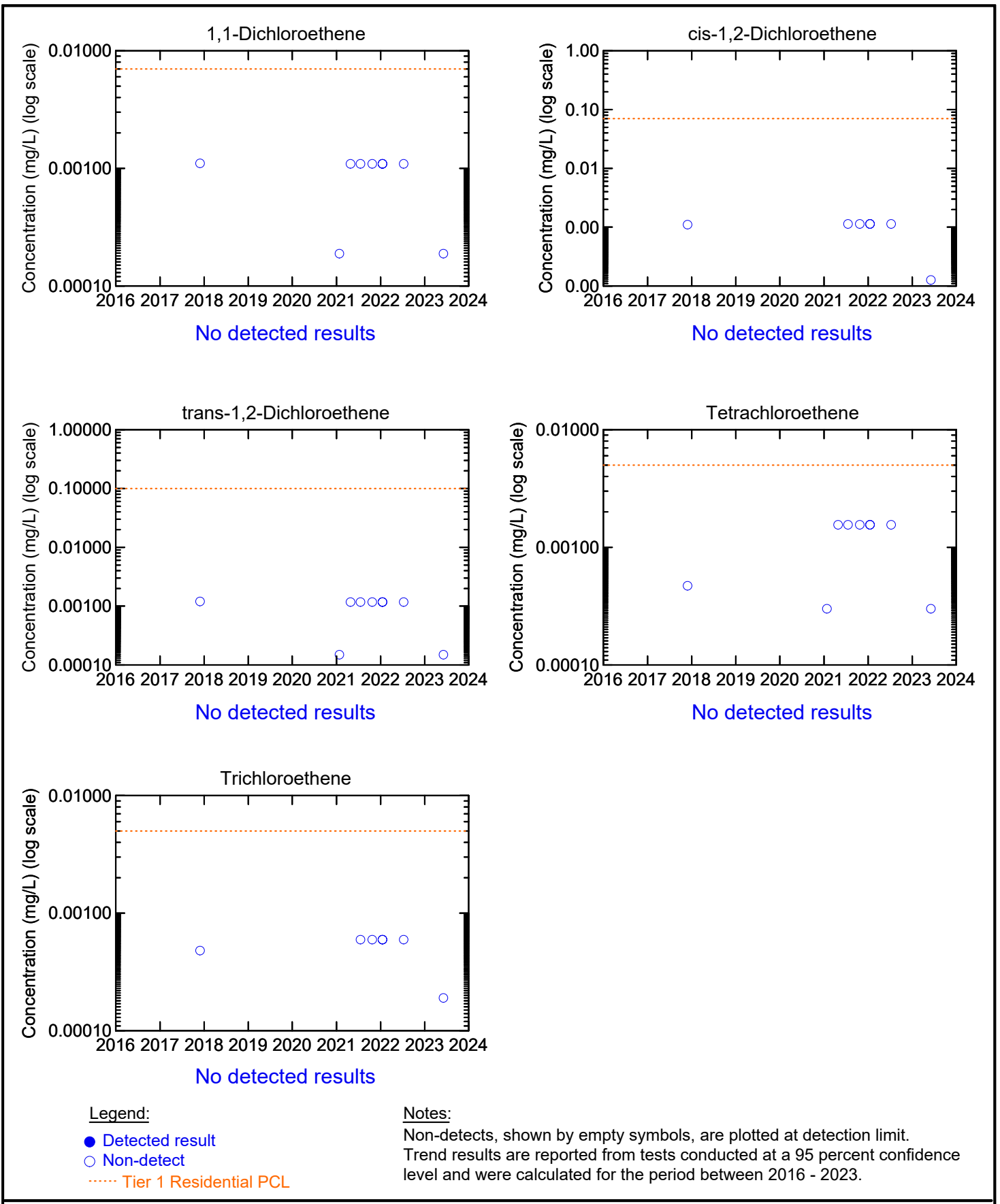


Former Baker Hughes Process and Pipeline Services Facility
Houston, Texas

Project No. 11222312
Date: Aug 24, 2023

WELL MW-10
ANALYTE CONCENTRATION vs. TIME

figure 12

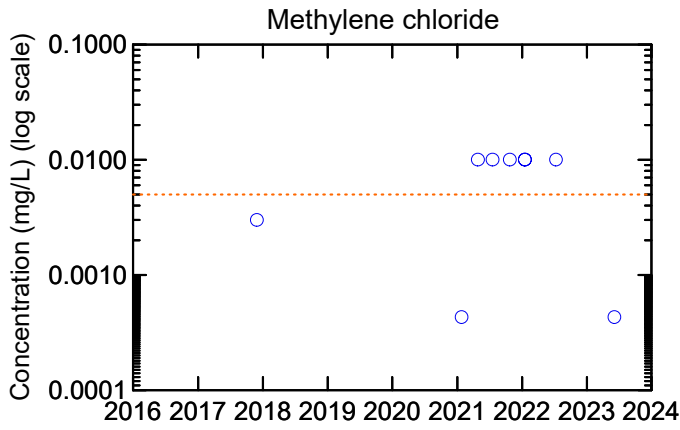


Former Baker Hughes Process and Pipeline Services Facility
Houston, Texas

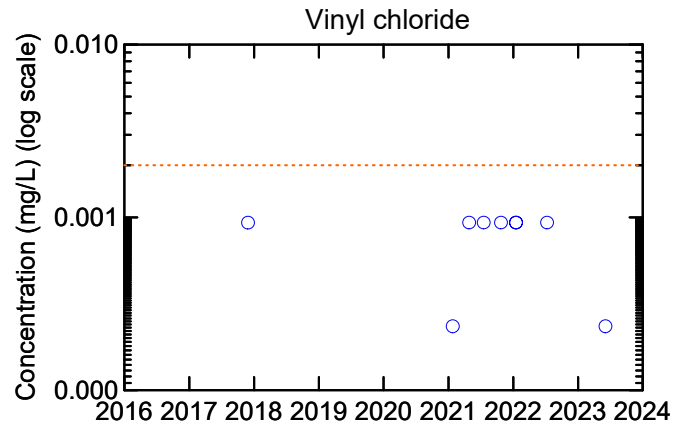
Project No. 11222312
Date: Aug 24, 2023

WELL MW-12
ANALYTE CONCENTRATION vs. TIME

figure 13



No detected results



No detected results

Legend:

- Detected result
- Non-detect
- Tier 1 Residential PCL

Notes:

Non-detects, shown by empty symbols, are plotted at detection limit.
Trend results are reported from tests conducted at a 95 percent confidence level and were calculated for the period between 2016 - 2023.

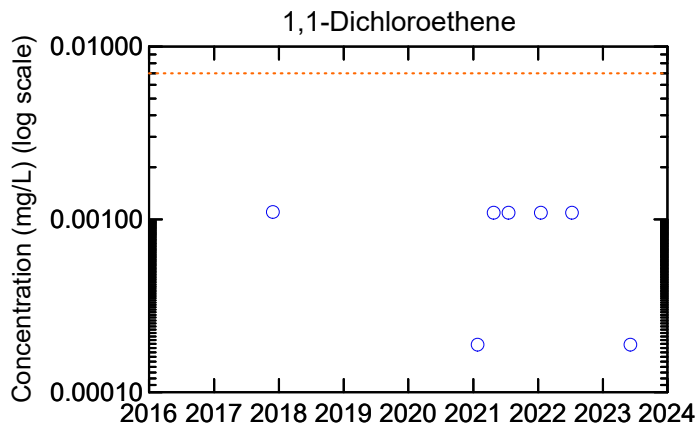


Former Baker Hughes Process and Pipeline Services Facility
Houston, Texas

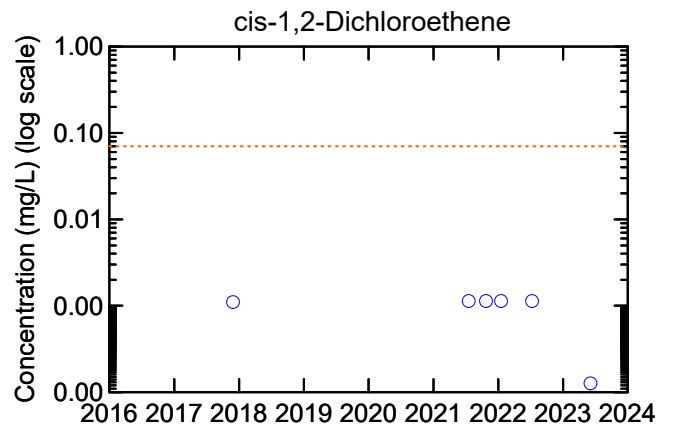
Project No. 11222312
Date: Aug 24, 2023

**WELL MW-12
ANALYTE CONCENTRATION vs. TIME**

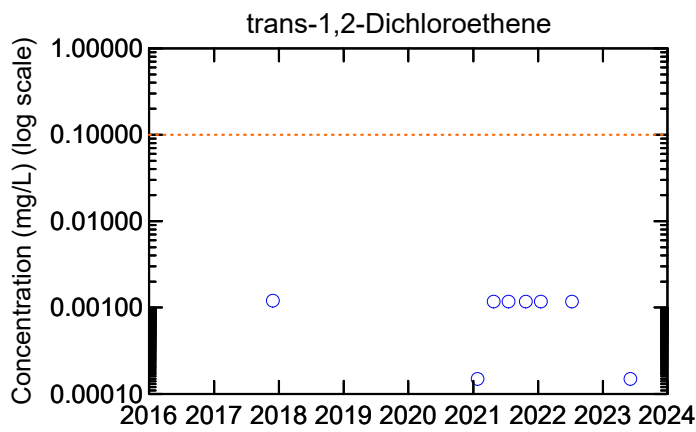
figure 14



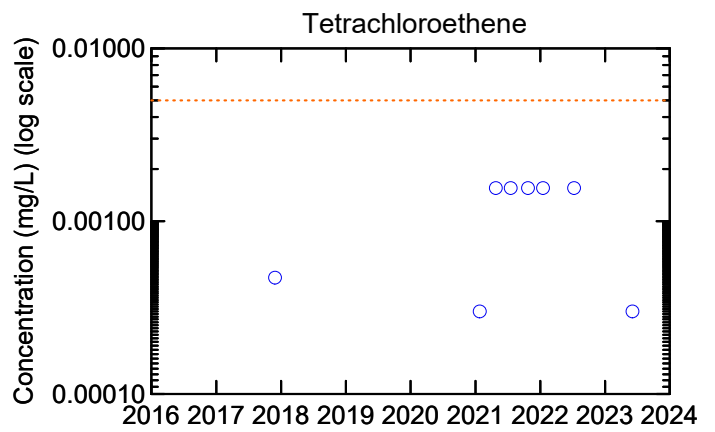
No detected results



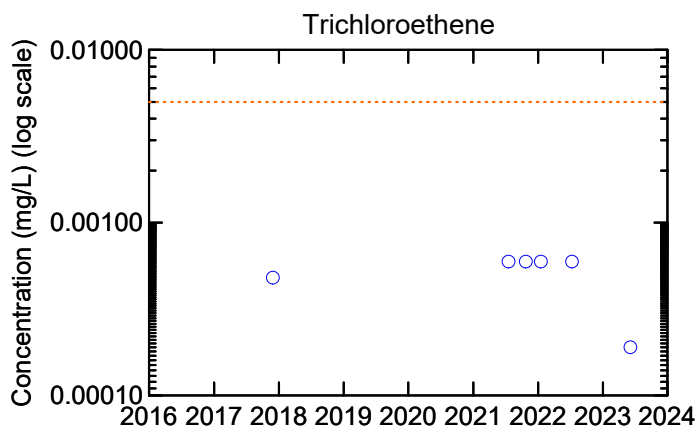
No detected results



No detected results



No detected results



No detected results

Legend:

- Detected result
- Non-detect
- Tier 1 Residential PCL

Notes:

Non-detects, shown by empty symbols, are plotted at detection limit.
Trend results are reported from tests conducted at a 95 percent confidence level and were calculated for the period between 2016 - 2023.

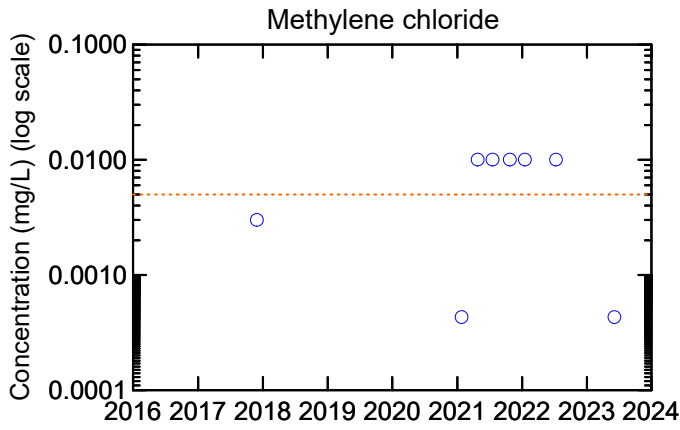


Former Baker Hughes Process and Pipeline Services Facility
Houston, Texas

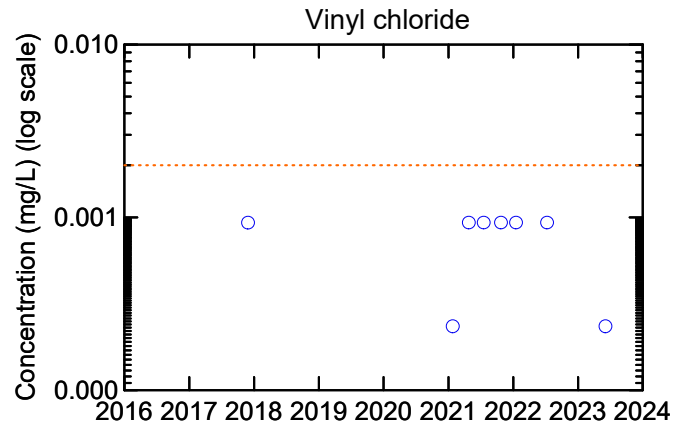
Project No. 11222312
Date: Aug 24, 2023

**WELL MW-13
ANALYTE CONCENTRATION vs. TIME**

figure 15



No detected results



No detected results

Legend:

- Detected result
- Non-detect
- Tier 1 Residential PCL

Notes:

Non-detects, shown by empty symbols, are plotted at detection limit.
Trend results are reported from tests conducted at a 95 percent confidence level and were calculated for the period between 2016 - 2023.



Former Baker Hughes Process and Pipeline Services Facility
Houston, Texas

Project No. 11222312
Date: Aug 24, 2023

**WELL MW-13
ANALYTE CONCENTRATION vs. TIME**

figure 16

Appendix H

APPENDIX H

A statement as to whether contamination on and off the designated property without a Municipal Setting Designation will exceed a residential assessment level as defined in the Texas Risk Reduction Program or analogous residential level set by EPA, if known, and the basis for that statement.

Without an MSD, the groundwater ^{GW}GW_{ing} PCLs for groundwater ingestion would be used to evaluate Site contaminants. With the use of these PCLs, environmental sampling data indicate that concentrations of COCs in the GWBU exceed respective residential PCLs for the groundwater ingestion pathway on the designated property. The PCLE zones for the chlorinated constituents are contained entirely within the designated property. Additionally, delineating monitor wells are installed outside the all-constituent PCLE zone in every direction, showing no exceedances since 2016.

Detected COCs and residential ingestion-based PCLE zone for each respective COC is presented in **Appendix C-4**. Tabulated groundwater data showing the maximum concentration of each COC and corresponding ingestion and non-ingestion-based PCLs is presented in **Table 3** in **Appendix E**.