

HOUSTON PUBLIC WORKS HOUSTON WATER DIVISION

## EXECUTIVE SUMMARY

The Executive Summary is presented on the following pages.

Consulting Engineers, Scientists, and Geologists

## Environmental Engineering and Consulting Excellence Since 2001

# City of Houston <br> Municipal Setting Designation Application 

Designated Property:
$\pm 5.745$-Acre Commercial Property
3511 West $12^{\text {th }}$ Street
Houston, Harris County, Texas 77008
IHW SWR No. 38591

Prepared for:
Players I, Ltd.
5433 Westheimer Road, Suite 870
Houston, Texas 77056

November 30, 2023

SKA Project No. 17021-0004

SKA Consulting, L.P.
1888 Stebbins Drive, Suite 100
Houston, Texas 77043
P: 713.266.6056 | F: 713.266.0996
skaconsulting.com

# CITY OF HOUSTON MUNICIPAL SETTING DESIGNATION APPLICATION 

Designated Property:
£5.745-ACRE COMMERCIAL PROPERTY 3511 WEST $12{ }^{\text {TH }}$ STREET HOUSTON, HARRIS COUNTY, TEXAS 77008

SKA PROJECT NO. 17021-0004

Prepared for:

PLAYERS I, LTD.
5433 WESTHEIMER ROAD, SUITE 870 HOUSTON, TEXAS 77056

Submitted by:

SKA CONSULTING, L.P.
1888 STEBBINS DRIVE, SUITE 100
HOUSTON, TEXAS 77043

COURTNEY R. SIMS
STAFF ENVIRONMENTAL SCIENTIST

DARRELL R. MAUDLIN, P.G.
VICE PRESIDENT/SENIOR PROJECT MANAGER

SCOTT K. LEAFE
PRESIDENT/MANAGING PARTNER
Prepared by:


NOVEMBER 30, 2023

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## Executive Summary

SKA Consulting, L.P. (SKA), on behalf of Players I, Ltd., has prepared this City of Houston (COH) Municipal Setting Designation (MSD) Application for approximately 5.745 acres of privately owned commercially developed land identified as the designated property. The designated property is located at 3511 West $12^{\text {th }}$ Street in Houston, Harris County, Texas. Presently, the designated property is registered in the Texas Commission on Environmental Quality (TCEQ) Industrial Hazardous Waste (IHW) Corrective Action Program under Solid Waste Registration (SWR) No. 38591.

The approximately 5.745-acre designated property comprises two parcels owned by three entities: Players I, Ltd., Players II, Ltd., and 3535 West $12^{\text {th }}$, LLC. The IHW SWR property is further divided into two tracts of land (Tracts 1 and 2), which are described below.

- Tract 1 comprises $\pm 5.491$ acres of unoccupied commercial land developed with an approximately 99,457 square foot (sq-ft) commercial building on the central portion and an approximately 5,563 sq-ft office building on the southwest portion. The commercial building comprises an office area and a warehouse divided into six bays (Bays 1 through 6). A shipping/receiving office, break room, equipment room, and maintenance shops are located in the northern portions of Bays 2 through 5 . The warehouse was formerly used for on-site commercial/industrial operations including welding equipment manufacturing and steel fabrication. However, the exact historical operations of most of the former tenants are unknown. Presently, the warehouse now stores vehicles, including automobiles, motorcycles, tow trucks, recreational vehicles (RVs), jet skis, and a boat. The office building is unoccupied and comprises several administrative offices, a lobby, and restrooms. An unused railroad spur traverses east-to-west through the southern part of the warehouse and extends outside of the building to the west but is no longer connected to a main railroad line.

A 1,400 sq-ft, free-standing, corrugated metal canopy is located on the eastern portion of the designated property. A similar 560 sq-ft canopy with three walls is situated on the southwest part of the designated property. The canopies are not in use. The remainder of Tract 1 comprises concrete- or asphalt-paved parking and driving areas, an unused laydown yard covered in bare soil and remnant asphalt, and landscaped areas. Players I, Ltd. has 75\% ownership, and Players II, Ltd. has 25\% ownership of Tract 1.

- Tract 2 comprises $\pm 0.2537$ acres of commercial land adjacently west of Tract 1. Tract 2 is developed with asphalt- or concrete-paved parking and driving areas used by the west-adjacent multi-tenant office building. Presently, 3535 West $12^{\text {th }}$, LLC has $100 \%$ ownership of Tract 2.

The designated property is bounded to the north by West $12^{\text {th }}$ Street, followed by the Smart Living Heights residential apartment complex (3530 West $12^{\text {th }}$ Street); to the south by an active Union Pacific Railroad (UPRR) right-of-way (ROW) and track, followed by the Timbergrove Trails Townhome Community; to the east by Seamist Drive, followed from north-to-south by vacant land and the Euro-MID, Inc. (a food importer) warehouse distribution facility (1110 Seamist Drive); and to the west by a four-story multi-tenant office building (3535 West $12^{\text {th }}$

Street). Properties in the vicinity of the designated property are predominantly mixed commercial, industrial, multi-family residential, single-family residential, and/or vacant.

No municipalities other than the COH have corporate limits within 0.5 miles of the boundary of the designated property. In addition, public drinking water is currently available to the designated property and properties located within a 0.5 -mile radius surrounding the designated property by the COH public water supply system.

According to records obtained from Environmental Risk Information Services (ERIS), approximately 1,197 registered/permitted water wells are reportedly located within a 5-mile radius of the designated property. Of these, 22 are located within a 0.5 -mile radius of the designated property, with eight being reportedly plugged or destroyed and one reportedly not drilled. Only seven water wells are located in the hydrogeologically downgradient direction from the designated property. However, based on their screened intervals, cementing data, and/or distances from the designated property, none of the seven downgradient water wells are affected or potentially affected by the documented groundwater impacts at the designated property. The remaining three water wells located within a 0.5 -mile radius of the designated property are located crossgradient to upgradient of the designated property. Additionally, the groundwater impacts at the designated property are delineated in the directions of these crossgradient to upgradient water wells. As such, none of the three crossgradient to upgradient water wells are affected or potentially affected by the documented groundwater impacts at the designated property.

Of the approximately 1,197 registered/permitted water wells reportedly located within 5 miles of the designated property, approximately 53 are reportedly owned or operated by a retail public water utility (RPU). In addition, 8 of the 53 water wells located within 5 miles of the designated property are reportedly owned by a municipality other than the COH , specifically, the City of Spring Valley Village, the City of West University Place, and the Memorial Villages Water Authority.

The depth to the shallow groundwater bearing unit (GWBU) ranges from 20 to 30 feet below ground surface (ft-bgs). The only chemical of concern (COC) concentration detected in the uppermost GWBU exceeding its respective TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential groundwater-ingestion ( ${ }^{G W} \mathrm{GW}_{\text {Ing }}$ ) Protective Concentration Level (PCL) is the chlorinated compound 1,1-dichloroethene (1,1-DCE).

The 1,1-DCE PCL Exceedance (PCLE) Zone is fully delineated in all directions. The source of this containment plume is attributed to a likely historical release from an on-site oil/water separator on the east portion of Tract 1 of the designated property related to former industrial occupants. The only documented use of chlorinated solvents on the designated property is by Air Liquide, which listed waste chlorinated solvents from degreasing as a waste stream for SWR No. 38591. This SWR was listed as inactive by the TCEQ in 2005; however, SWR No. 38591 was reactivated in 2023 in relation to present IHW corrective action activities. No chlorinated solvents are currently used on the designated property, and the groundwater 1,1-DCE concentrations are decreasing in trend. Since no chlorinated solvents are currently used on the designated property and the 1,1-DCE release is from historical on-site activities, this decreasing 1,1-DCE concentration trend is expected to continue.

No COCs have been identified in soil and/or groundwater on the designated property at concentrations exceeding their applicable TRRP Tier 1 Residential Soil or Groundwater PCLs with an MSD in place.

The following Appendices, "A" through " $Y$," provide the requested documentation corresponding to the items in the attached COH MSD Application checklist. Supporting documentation for certain items is attached and included with the item's corresponding appendix.

## Appendix A - Legal Property Description

A legal description and metes and bounds for the designated property are included in Appendix A. In addition, copies of the deeds for the privately owned parcels of the designated property are included in Appendix A.

# 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

## STATE OF TEXAS

COUNTY OF HARRIS


Players I, Ltd., a Texas limited partnership, as to a $75 \%$ undivided interest, and Players II, Ltd., a Texas limited partnership as to a $25 \%$ undivided interest (collectively herein "Grantor"), in consideration of the sum of Ten Dollars ( $\$ 10.00$ ) and other good and valuable consideration, the receipt and sufficiency of which are acknowledged, has GRANTED, BARGAINED, SOLD, and CONVEYED and does GRANT, BARGAIN, SELL, AND CONVEY to 3535 W 12th LLC, a Texas limited liability company ("Grantee"), the real property in Harris County, Texas, fully described in Exhibit A, and all improvements located on it, together with (a) any and all rights, titles, powers, privileges, easements, licenses, rights-of-way, and interests appurtenant to the land, and (b) any and all rights, titles, powers, privileges, easements, licenses, rights-of-way, and interests of Grantor, either at law or in equity, in possession or in expectancy, in and to any land lying in the streets, highways, roads, alleys, rights-of-way, or sidewalks, open or proposed, in front of, above, over, under, through, or adjoining the land, and in and to any strips or gores of real estate adjoining the real property (collectively, "Property").

This Special Warranty Deed and the conveyance above are executed by Grantor and accepted by Grantee subject to any and all restrictions, easements, mineral reservations, and other matters of record set forth on Exhibit B (collectively, "Permitted Exceptions"). This conveyance is also being made by Grantor and accepted by Grantee subject to taxes for the year 2022, the payment of which Grantee assumes.

TO HAVE AND TO HOLD the Property, together with all and singular the rights and appurtenances to it in any way belonging, to Grantee, its successors, and its assigns forever, and Grantor binds itself, its successors, and its assigns to WARRANT AND FOREVER DEFEND all and singular the title to the Property to Grantee, its successors, and its assigns against any person lawfully claiming or to claim the same or any part of it by, through, or under Grantor, but not otherwise, subject to the Permitted Exceptions.

EXCEPT FOR THE SPECIAL WARRANTY OF TITLE IN THIS DEED, GRANTEE IS ACQUIRING THE PROPERTY AS IS, WITH ALL FAULTS AND DEFECTS AND WITHOUT ANY WRITTEN OR ORAL REPRESENTATIONS OR WARRANTIES, EXPRESS IMPLIED

OR ARISING BY OPERATION OF LAW, AND GRANTEE ACKNOWLEDGES AND AGREES THAT, EXCEPT FOR THE SPECIAL WARRANTY OF TITLE IN THIS DEED, GRANTOR HAS NOT MADE, DOES NOT MAKE, AND SPECIFICALLY DISCLAIMS ANY REPRESENTATIONS, WARRANTIES, PROMISES, COVENANTS, AGREEMENTS, OR GUARANTIES OF ANY KIND OR CHARACTER WHATSOEVER, WHETHER EXPRESS OR IMPLIED, ORAL OR WRITTEN, PAST, PRESENT, OR FUTURE, OF, AS TO, CONCERNING, OR WITH RESPECT TO (A) THE NATURE, VALUE, QUALITY, OR CONDITION OF THE PROPERTY, INCLUDING BUT NOT LIMITED TO THE WATER, SOIL, AND GEOLOGY, OR THE PRESENCE OR ABSENCE OF ANY POLLUTANT, CONTAMINANT, HAZARDOUS SUBSTANCE, WASTE, OR GAS, OR SOLID WASTE ON OR ABOUT THE PROPERTY, (B) THE INCOME TO BE DERIVED FROM THE PROPERTY, (C) THE SUITABILITY OF THE PROPERTY FOR ANY AND ALL ACTIVITIES AND USES THAT GRANTEE MAY INTEND TO CONDUCT, (D) THE COMPLIANCE OF OR BY THE PROPERTY OR ITS OPERATION WITH ANY LAWS, RULES, ORDINANCES, OR REGULATIONS OF ANY GOVERNMENTAL AUTHORITY OR BODY HAVING JURISDICTION, INCLUDING WITHOUT LIMITATION ENVIRONMENTAL LAWS, OR (E) THE HABITABILITY, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OF THE PROPERTY. GRANTEE ACKNOWLEDGES THAT, HAVING BEEN GIVEN THE OPPORTUNITY TO INSPECT THE PROPERTY, GRANTEE IS RELYING SOLELY ON ITS OWN INVESTIGATION OF THE PROPERTY AND NOT ON ANY INFORMATION PROVIDED OR TO BE PROVIDED BY OR ON BEHALF OF GRANTOR. GRANTEE FURTHER ACKNOWLEDGES THAT NO INDEPENDENT INVESTIGATION OR VERIFICATION HAS BEEN OR WILL BE MADE BY GRANTOR WITH RESPECT TO ANY INFORMATION SUPPLIED BY OR ON BEHALF OF GRANTOR CONCERNING THE PROPERTY, AND EXCEPT AS EXPRESSLY PROVIDED HEREIN, GRANTOR MAKES NO REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THAT INFORMATION, IT BEING INTENDED BY THE PARTIES THAT GRANTEE WILL VERIFY THE ACCURACY AND COMPLETENESS OF THAT INFORMATION TTSELF. FROM AND AFTER CLOSING, EXCEPT WITH RESPECT TO THE SPECIFIC REPRESENTATIONS AND WARRANTIES SET FORTH IN THIS DEED, GRANTEE WAIVES, RELEASES, DISCHARGES AND AGREES NOT TO SUE GRANTOR AND ITS AFFILIATES AND THEIR RESPECTIVE OWNERS, OFFICERS, PARTNERS, EMPLOYEES, AGENTS OR REPRESENTATIVES ("RELEASED PARTIES") FROM AND AGAINST ANY AND ALL CLAIMS, REMEDIES, ACTIONS, SUITS, LIABILITIES, COSTS AND EXPENSES (INCLUDING WITHOUT LIMITATION REASONABLE ATTORNEYS' AND PROFESSIONALS' FEES AND EXPENSES) ARISING FROM OR RELATED TO ANY NEGLIGENCE OR STRICT LIABILITY OF ANY OF THE RELEASED PARTIES, BUT NOT FROM THEIR GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, GRANTEE ACKNOWLEDGES THAT THE DISCLAIMERS, AGREEMENTS, AND OTHER STATEMENTS IN THIS SECTION ARE AN INTEGRAL PORTION OF THIS DEED AND THAT GRANTOR WOULD NOT AGREE TO TRANSFER THE PROPERTY TO GRANTEE FOR THE CONSIDERATION WITHOUT THE DISCLAIMERS, AGREEMENTS, AND OTHER STATEMENTS IN THIS SECTION.
[Signature Pages to Follow]

EXECUTED to be effective as of the 76 day of October, 2022.

## GRANTOR:

## Players I, Ltd, a Texas limited partnership

By: Players, Inc., a Texas corporation,
Its sole General Partnery
By:


## STATE OF TEXAS

 COUNTY OF HARRIS$\S$$\S$
$\S$

This Deed was acknowledged before me on the $A$ day of 2022, by Ronny Hecht, President of Players, Inc., a Texas corporation, Sole General Partner of Players I, Ltd, a Texas limited partnership.


By: Players, Inc., a Texas corporation, Its sole General Partner

By:


## STATE OF TEXAS

 COUNTY OF HARRISThis Deed was acknowledged before me on the day of
 2022, by Ronny Hecht, President of Players, Inc., a Texas corporation, sole General Partner of Players II, Ltd, a Texas limited partnership.


After recording, return to Grantee at Grantee's address:
3535 W 12th LLC
3315 W 12TH ST
HOUSTON, TX 77008

## Exhibit A

Being a tract of land containing 0.2537 acre ( 11,052 square feet), located in the John Reinerman Survey, Abstract Number 642, in Harris County, Texas; Said 0.2537 acre being out of a called 5.277 acre tract of land described as Tract 1 and recorded in the name of Joseph T. Ryerson \& Son, Inc., in Harris County Clerk's File Number (H.C.C.F. No.) RP-2022-308201; Said 0.2537 acre tract being more particularly described by metes and bounds as follows (all bearings are referenced to the Texas Coordinate System of 1983, South Central Zone):

BEGINNING, at a $5 / 8$-inch capped iron rod found at the northwest corner of said 5.277 acre tract and the herein described tract, same being the northeast corner of Unrestricted Reserve "A", of West Twelfth Business Park, a subdivision of record in Film Code (F.C.) No. 687345, of the Harris County Map Records (H.C.M.R.), on the south Right-of-Way (R.O.W.) line of West 12th Street (sixty feet wide per Volume 1871, Page 177, of the Harris County Deed Records (H.C.D.R.));

THENCE, North $87^{\circ} 58^{\prime} 07^{\prime \prime}$ East, with the north line of said 5.277 acre tract and with the south R.O.W. line of said West 12th Street, a distance of 28.86 feet to a $5 / 8$-inch capped iron rod set for the northeast corner of the herein described tract, form which a one-inch iron pipe found at the northeast comer of said 5.277 acre tract, at the southwest intersection of said West 12 th Street and Seamist Drive (formerly called Glenleigh Drive) (sixty feet wide per Volume 2022, Page 229, of the H.C.D.R.), bears North $87^{\circ} 58^{\prime} 07^{\prime \prime}$ East, a distance of 631.14 feet;

THENCE, South $02^{\circ} 04^{\prime} 44^{\prime \prime}$ East, through and across said 5.277 acre tract, a distance of 383.00 feet to a $5 / 8$-inch capped iron rod set on the south line of said 5.277 acre tract and on the north line of a called 1.958 acre tract of land recorded in the name of the Texas and New Orleans Railroad, recorded in Volume 1656, Page 526, of the H.C.D.R., for the southeast corner of the herein described tract;

THENCE, South $87^{\circ} 58^{\prime} 07^{\prime \prime}$ West, with the south line of said 5.277 acre tract and with the north line of said 1.958 acre tract, a distance of 28.86 feet to a $5 / 8$-inch capped iron rod found at the southwest corner of said 5.277 acre tract, for the southwest corner of the herein described tract;

THENCE, North $02^{\circ} 04^{\prime} 44^{\prime \prime}$ West, with the west line of said 5.277 acre tract and with the east line of said Unrestricted Reserve "A", a distance of 383.00 feet to the POINT OF BEGINNING and containing 0.2537 acre ( 11,052 square feet) of land.

## Exhibit B

The restrictive covenants recorded in Volume 2551, Page 325, Volume 3234, Page 728 and Volume 5564, Page 155, Real Property Records, Harris County, Texas

An interest in all of the oil, gas and other minerals reserved in instrument filed May 13, 1948, recorded in Volume 1768, Page 142, Deed Records of Harris County, Texas.

An interest in all of the oil, gas and other minerals reserved in instrument filed January 23, 1953, recorded in Volume 2551, Page 325, Deed Records of Harris County, Texas.

An Interest in all of the oil, gas and other minerals reserved in instrument filed October 16, 1956, recorded in Volume 3234, Page 728, Deed Records of Harris County, Texas.

Sanitary Sewer Easement to the City of Houston by instrument filed November 23, 1956, recorded in Volume 3253, Page 593, Deed Records of Harris County, Texas.

Location of and rights of the owners of the power poles and overhead utility lines along the east property line.

Rights or claims, if any, of adjoining property owner(s) in and to that portion of insured property, lying between fence and the east property line.

Location of and rights of the owners of the ditch across the southern portion of the property.

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# Pages 7
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e-Filed & e-Recorded in the
Official Public Records of
HARRIS COUNTY
TENESHIA HUDSPETH
COUNTY CLERK
Fees $38.00
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## RECORDERS MEMORANDUM <br> This instrument was received and recorded electronically and any blackouts, additions or changes were present at the time the instrument was filed and recorded.



## NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOYE OR STRIKE ANY OR ALL OF THE FOLLOWING INFORMATION FROM ANY INSTRUMENT THAT TRANSFERS AN INTEREST IN REAL PROPERTY BEFORE IT IS FLLED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCLAL SECURITY NUMBER OR YOUR DIRVER'S LICIENSE NUMBER.

STATE OF
 COUNTY OF $\qquad$
SPECLAL WARRANTY DEED 8

KNOW ALL PERSONS BY THESE PRESENTS THAT:

Joseph T. Ryerson \& Som, Inc., a Delaware corporation ("Grantor"), having a mailing address at 227 W. Monroe Street, 27th Floor, Chicago, IL 60606, Attn: Mark Silver, Executive Vice President, General Counsel \& Chief HR Officer, for and in consideration of the sum of $\$ 10.00$ and other valuable consideration paid to Grantor by Players I, Ltd., a Texas limited partnership, as to a $75 \%$ undivided interest, and Players II, Ltd., a Texas limited partnership, as to a $25 \%$ undivided interest, as tenants in common (together, "Grantee"), having a mailing address at 5433 Westheimer, Suite 870, Houston, Texas 77056, the receipt and sufficiency of which are hereby acknowledged, and upon and subject to the exceptions, encumbrances, terms and provisions hereinafter set forth and described, has GRANTED, BARGAINED, SOLD and CONVEYED, and by these presents does hereby GRANT, BARGAIN, SELL and CONVEY, unto Grantee and its successors and assigns forever, the real property located in Harris County, Texas described on Exhibit "A" attached hereto and incorporated hereln by reference for all purposes, together with (a) all improvements situated thereon, (b) all rights, tenements, hereditaments, easements, development permits, utility allocations, and appurtenances pertaining thereto, and (c) all of Seller's right, title and interest in and to the adjacent streets, alleys, and rightswof-way (collectively, the "Property").

This Special Warranty Deed and the conveyance hereinabove set forth is executed by Grantor and accepted by Grantee subject to all matters of fact and record to the extent the same are applicable to the Property (hereinatter referred to collectively as the "Permitted Exceptions").

TO HAVE AND TO HOLD, the Property unto Grantee and its successors and assigns forever. The Grantor shall warrant and defend title to the Property unto the Grantee, against every person lawfully claiming or to claim the whole or any part thereof by, through, or under the Grantor, but not otherwise; provided that Grantor's covenant to warrant and defend title to the Property shall not extend to the matters set forth as Permitted Exceptions.

By acceptance of this Deed, Grantee assumes payment of all property taxes on the Property for the year 2022 which have been prorated as of the date this Deed is recorded and for subsequent years; and by acceptance of this Deed, Grantee further acknowledges and agrees as follows:

1. Grantee agrees that; (a) Grantee is not relying on any representation or warranty of Grantor, or of any agent, employee, representative or officer of Grantor, to purchase the Property, except as may be set forth in Section 11 (a) of the Purchase and Sale Agreement by and between Grantor and Grantee dated as of May 6, 2022 (the "PSA") and except as may be set forth in this Deed or any closing documents delivered by Grantor to Grantee in connection with Grantor's dellvery of this Deed; and (b) Grantee acknowledges that Grantee has had the opportunity to satisfy itself, pursuant to the terms of the PSA, that (1) that there is no defect or condition which is unacceptable to Grantee, (2) whether any portion of the Property lies in any flood plain, floodway or special flood hazard area, (3)
whether any geological fault or unsatisfactory soil condition exists on any portion of the Property, and (4) that all environmental conditions relating to the Property are acceptable to Grantee.
2. THE GRANTEE ACKNOWLEDGES THAT IT HAS INSPECTED THE PROPERTY PURSUANT TO THE TERMS OF THE PSA, AND THAT EXCEPT AS PROVIDED FN SECTION 11 (a) OF THE PSA AND/OR THIS DEED AND/OR THE CLOSING DOCUMENTS DELIVERED BY GRANTOR TO GRANTEE IN CONNECTION WITH GRANTOR'S DELIVERY OF THIS DEED, THE GRANTOR IS CONVEYING THE PROPERTY TO THE GRANTEE "AS IS," "WHERE IS," AND "SUBJECT TO ALL FAULTS." WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, THE GRANTOR HEREBY EXPRESSLY DISCLAIMS AND NEGATES (AND THE GRANTEE HEREBY EXPRESSLY WAIVES) ANY COVENANT, REPRESENTATION OR WARRANTY, WHETHER EXPRESSED, IMPLIED OR ARISING AT COMMON LAW, BY STATUTE OR OTHERWLSE, EXCEPT AS MAY EXPLEICITLY BE SET FORTH IN SECTION 11 (a) OF THE, PSA AND/OR THYS DEED ANDIOR THE DOCUMENTS DELIVERED BY GRANTOR TO GRANTEE IN CONNECTION WITH DELIVERY OF THIS DEED RELATING TO: (A) THE ACCURACY OR COMPLETENESS OF ANY DATA, INFORMATION OR RECORDS WHICH MAY HAVE BEEN COMPILED BY, OR FOR THE BENEFIT OF, THE GRANTOR RELATING TO THE OPERATION AND OWNERSHIP OF THE PROPERTY; (B) THE CONDITION OR QUALITY OF THE PROPERTY, INCLUDING (WITHOUT LIMPTATION) LATENT DEFECTS; (C) THE COMPATIBILITY OR CONFORMITY OF THE ACCESSORIES OR ANY OTHER COMPONENT OF THE PROPERTY TO DESCRIPTIONS, MODELS OR SAMPLES OF MATERIALS; (D) THE FITNESS, HABITABILTTY, MERCHANTANTABILITY OR SUITABILITY OF THE PROPERTY FOR ANY PARTICULAR PURPOSE; AND (E) INFRINGEMENT ON ANY INTELLECTUAL PROPERTY OR PROPRIETARY DATA OF ANY THIRD PARTY, OR TITLE TO THE PROPERTY OR ANY PART THEREOF, EXCEPT FOR SECTION II(a) OF THE PSA AND/OR THE SPECLAL WARRANTY OF TITEE INCLUDED EN THIS DEED DELIVERED AND/OR THE CLOSING DOCUMENTS DELIVERED BY GRANTOR TO GRANTEE IN CONNECTION WITH GRANTOR'S DELIVERY OF THIS DEED.
[signature and acknowledgment follow]

IN WITNESS WHEREOF, Grantor has executed this instrument as of Jume 8 2022, and has caused this instrument to be delivered and effective for all purposes as of June $13,2022$.

Joseph T. Ryerson \& Son, Inc,, a Delaware corporation,

state of lllinois
COUNTY OF Cat (


BEFORE ME, the undersigned authority, on this day petsonally appeated hropher Binlus, the Ase. Treasurer of Joseph T. Ryetson \& Son, Lac., a Delaware corpofftion, known to me po befthe person whose name is subacribed to the fotegoing instrument and acknowledged to me that the sifhe is the act of said entity.


## AFTER RECORDING, RETURN TO:

Ross, Banks, May, Cron \& Cavin, P.C.
7700 San Felipe, Suite 550
Houston, TX 77063
Attn: Jim Lombardi

## EXHIBIT "A"

## (LEGAL DESCRIPTION)

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# Pages 6
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Official Public Records of
HARRIS COUNTY
TENESHIA HUDSPETH
COUNTY CLERK
Fees $34.00
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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
use of the described real property uncer federal law.
THE STATE OF TEXAS
COUNTY OF HARRIS
I hereby certify that this instrument was FIILED in
File Number secuence on the date and at the time stamped
hereon by me; and was duly RECORDED in the official
hublic Records of Real Property of Harris County, Texas.


COUNTY CLERK
harris county, texas


## Appendix B - Property Use

The following is a description of the current land use and, to the extent known, the anticipated uses of the designated property and surrounding properties located within 500 feet of the designated property boundary.

## Current and Anticipated Land Use of the Designated Property

The approximately 5.745 -acre designated property comprises two parcels owned by three entities: Players I, Ltd., Players II, Ltd., and 3535 West $12^{\text {th }}$, LLC. The IHW SWR property is further divided into two tracts of land (Tracts 1 and 2), which are described below.

- Tract 1 comprises $\pm 5.491$ acres of unoccupied commercial land developed with an approximately 99,457 square foot (sq-ft) commercial building on the central portion and an approximately $5,563 \mathrm{sq}$-ft office building on the southwest portion. The commercial building comprises an office area and a warehouse divided into six bays (Bays 1 through 6). A shipping/receiving office, break room, equipment room, and maintenance shops are located in the northern portions of Bays 2 through 5 . The warehouse was formerly used for on-site commercial/industrial operations including welding equipment manufacturing and steel fabrication. However, the exact historical operations of most of the former tenants are unknown. Presently, the warehouse stores vehicles, including automobiles, motorcycles, tow trucks, recreational vehicles (RVs), jet skis, and a boat. The office building is unoccupied and comprises several administrative offices, a lobby, and restrooms. An unused railroad spur traverses east-to-west through the southern part of the warehouse and extends outside of the building to the west but is no longer connected to a main railroad line.

A 1,400 sq-ft, free-standing, corrugated metal canopy is located on the eastern portion of the designated property. A similar 560 sq-ft canopy with three walls is situated on the southwest part of the designated property. The canopies are not in use. The remainder of Tract 1 comprises concrete- or asphalt-paved parking and driving areas, an unused laydown yard covered in bare soil and remnant asphalt, and landscaped areas. Players I, Ltd. has 75\% ownership, and Players II, Ltd. has $25 \%$ ownership of Tract 1.

- Tract 2 comprises $\pm 0.2537$ acres of commercial land adjacently west of Tract 1. Tract 2 is developed with asphalt- or concrete-paved parking and driving areas used by the west-adjacent multi-tenant office building. Presently, 3535 West $12^{\text {th }}$, LLC has $100 \%$ ownership of Tract 2.

The future use of the designated property is unknown and may remain commercial or be redeveloped for residential use. A boundary survey and metes and bounds descriptions of the designated property are included in Appendix A.

According to the United States Geological Survey (USGS) Houston Heights 7.5-minute topographic quadrangle map of the area, the approximate elevation of the designated property is 65 feet above mean sea level (AMSL) (see Figure C.1). The topography of the designated property is relatively flat (i.e., no significant slope direction or grade). Moreover, there are no significant topographic features located on or near the designated property that affect chemical
of concern (COC) distribution on the designated property. The closest surface water body to the designated property is White Oak Bayou, a freshwater stream located approximately 4,920 feet northeast of the designated property.
The designated property is located in the Whiteoak Bayou-Buffalo Bayou Watershed. According to the Federal Emergency Management Agency (FEMA) Federal Insurance Rate Map (FIRM) No. 48201C0665M (dated June 9, 2014), the designated property is classified as Zone X (unshaded) and is determined by FEMA to be outside the $0.2 \%$ annual chance floodplains. A watershed map and a FEMA floodplain map of the area containing the designated property are included as Figures C. 2 and C.3, respectively.

According to groundwater level measurements collected by SKA for the designated property in June, September, and December 2022 and March 2023, the groundwater flow direction at the designated property generally varies between south-southeast to south-southwest with a hydraulic gradient ranging from approximately 0.0012 to 0.0016 feet per foot (ft/ft).
Groundwater gradient maps for the designated property are included in Figures C.6A through C.6D.

## Current and Anticipated Land Use of the Surrounding Properties

Properties in the vicinity of the designated property are mixed industrial, residential, commercial, and vacant land. The designated property is bounded to the north by West $12^{\text {th }}$ Street, followed by the Smart Living Heights residential apartment complex (3530 West $12^{\text {th }}$ Street); to the south by an active Union Pacific Railroad (UPRR) right-of-way (ROW) and track, followed by the Timbergrove Trails Townhome Community; to the east by Seamist Drive, followed from north-tosouth by vacant land and the Euro-MID, Inc. (a food importer) warehouse distribution facility (1110 Seamist Drive); and to the west by a four-story multi-tenant office building ( 3535 West $12^{\text {th }}$ Street).

A field receptor survey was performed by SKA on June 7, 2023, to identify potential sensitive receptors within 500 feet of the designated property. During the receptor survey, no hospitals, nursing homes, schools, daycare centers, or churches were observed within 500 feet of the designated property. As such, no sensitive receptors are located within 500 feet of the designated property. A map detailing the land use of the surrounding properties within 500 feet of the designated property is presented in Figure C.4. The future land use in the area of the designated property is anticipated to remain mixed commercial and residential.

## Water Wells

According to records obtained from Environmental Risk Information Services (ERIS), approximately 1,197 registered/permitted water wells are reportedly located within a 5-mile radius of the designated property. Of these, 22 are reportedly located within a 0.5 -mile radius of the designated property. Some of the water well listings within a 0.5 -mile radius of the designated property are duplicates of the same water well, leaving only 19 water wells located within a 0.5 -mile radius of the designated property. Of these 19 water wells, eight are reportedly plugged or destroyed, and one was reportedly not drilled. Of the remaining ten water wells, seven are located in the hydrogeologically downgradient direction from the designated property. The available details regarding the seven downgradient water wells (Map ID Nos. 2B, 4, 8A, 8B, 8C, 11,12, and 13A in the ERIS Half-Mile MSD Report) located within a 0.5 -mile radius of the designated property are summarized below.

- One private drinking water well (Map ID No. 2B) was identified approximately 1,500 feet southwest of the designated property. This private drinking water well is screened between 160 to 180 feet below ground surface (ft-bgs), 255 to 285 ft -bgs, 345 to $360 \mathrm{ft}-$ bgs, $370-400 \mathrm{ft}$-bgs, and is cemented between 0 and 15 ft -bgs. The uppermost GWBU in the area of the designated property is identified between 20 and 30 ft -bgs; as such, this private drinking water well is not producing from or connected to the affected shallow GWBU.
- One private drinking water well (Map ID No. 4) was identified approximately 1,590 feet south of the designated property. This private drinking water well is screened between 28 and 38 ft -bgs and is cemented between 0 to 5 ft -bgs; as such, this private drinking water well could produce from the affected shallow GWBU.
- Three industrial water wells (Map ID Nos. 8A, 8B, and 8C) were identified approximately 1,950 feet south of the designated property. The three industrial water wells are screened between 410 to 430 ft -bgs, 345 to 360 ft -bgs, and 233 to 248 ft -bgs, respectively; 8 A is cemented between 0 to 405 ft -bgs, and 8 C is cemented between 0 to 233 ft -bgs. As such, these three industrial water wells are not producing from the affected shallow GWBU.
- One private drinking water well (Map ID No. 11) was identified approximately 1,900 feet southwest of the designated property. This private drinking water well is screened and cemented between unknown depths; as such, it is unknown whether this private drinking water well is producing from or connected to the affected shallow GWBU.
- One industrial water well (Map ID No. 12) was identified approximately 2,300 feet south of the designated property. This industrial water well is screened between 310 and 320 ft -bgs and is cemented between an unknown depth; as such, this private drinking water well is not producing from or connected to the affected shallow GWBU.
- One irrigation water well (Map ID No. 13A) was identified approximately 2,630 feet south-southwest of the designated property. This irrigation water well is screened and cemented between unknown depths; as such, it is unknown whether this irrigation water well is producing from or connected to the affected shallow GWBU.

Based on their distances from the designated property and/or the lateral delineation of the contaminant plume in all directions at the designated property, the downgradient water wells listed above are not affected or potentially affected by the documented groundwater impacts at the designated property.

The remaining three water wells located within a 0.5 -mile radius of the designated property are located hydrogeologically crossgradient to upgradient of the designated property. The groundwater impacts of the designated property are delineated in the directions of these crossgradient to upgradient water wells. As such, these three water wells are not affected or potentially affected by the documented groundwater impacts at the designated property.

## Appendix C - Site Maps

The following figures are included in Appendix C:

- Figure C. 1 Site Location Map
- Figure C. 2 Watershed Map
- Figure C. 3 Floodplain Map
- Figure C. 4 Potential Receptors Map
- Figure C. 5 Sample Location Map
- Figure C.6A Groundwater Gradient Map - June 6, 2022
- Figure C.6B Groundwater Gradient Map - September 27, 2022
- Figure C.6C Groundwater Gradient Map - December 12, 2022
- Figure C.6D Groundwater Gradient Map - March 21, 2023
- Figure C. 7 Groundwater COC Concentration Map












## Appendix D - COCs in Designated Groundwater

A summary of the COCs currently present in the groundwater of the designated property follows. Maps showing the current concentrations of COCs in the shallow GWBU are provided in Appendix C, and summary tables of all groundwater sampling and analysis results obtained for the designated property are provided as Table G. 2 in Appendix G.

## Ingestion PCLE Zones in Designated Groundwater

COCs detected in the uppermost GWBU on the designated property include the following:

- Volatile organic compounds (VOCs) - specifically, acetone, benzene, chloroform, 1,1DCA, 1,1-DCE, cis-1,2-dichloroethene (cis-1,2-DCE), ethylbenzene, methylcyclohexane, methyl tert-butyl ether (MTBE), trichloroethene (TCE), vinyl chloride, m,p-xylene, and total xylenes
- Semi-volatile organic compounds (SVOCs) - specifically, acetophenone, anthracene, benzo(a)pyrene, 1,1'-biphenyl, bis(2-ethylhexyl)phthalate, caprolactam, dibenzofuran, diethyl phthalate, di-n-butyl phthalate, di-n-octyl phthalate, fluoranthene, fluorene, 2methylnaphthalene, naphthalene, phenanthrene, phenol, and pyrene

The only COC concentration detected in the uppermost GWBU at the designated property exceeding its TRRP Tier 1 Residential ${ }^{{ }^{W}}{ }^{G} W_{\text {Ing }}$ PCL was 1,1-DCE.

Further discussions regarding the TRRP groundwater ingestion PCLE zone follow. The locations of the groundwater PCLE zone are shown in Figure C. 7 in Appendix C.

## 1,1-DCE PCLE Zone

The 1,1-DCE PCLE zone in the uppermost GWBU encompasses monitoring wells MW-3 and MW-6 only. The maximum concentration of 1,1-DCE identified in groundwater on the designated property was detected in a groundwater sample collected from monitoring well SB3_GW in July 2019, which exhibited a 1,1-DCE concentration of 0.160 milligrams per liter ( $\mathrm{mg} / \mathrm{L}$ ), exceeding its TRRP Tier 1 Residential ${ }^{G W} G W_{\text {Ing }}$ PCL of $0.007 \mathrm{mg} / \mathrm{L}$. The 1,1-DCE PCLE zone encompasses approximately 40,000 square feet.

Due to elevated 1,1-DCE concentrations in groundwater, SKA collected a sub-slab vapor sample within the on-site office building on the southwest portion of Tract 1 of the designated property. The laboratory analytical results revealed that chlorinated volatiles in groundwater do not pose a significant risk for vapor intrusion at the designated property. The vapor sample locations are shown in Figure C.5, and the details of the vapor intrusion assessment were presented in an Affected Property Assessment Report (APAR) submitted to the TCEQ in July 2023.

## COC Chemical Properties

The chlorinated solvent, 1,1-DCE, detected in the uppermost GWBU at the designated property, is based on the ethene molecular structure (two doubled-bounded carbon atoms). The 1,1-DCE is present in the groundwater in the dissolved phase, and no direct evidence of non-aqueous phase liquid (NAPL) has been observed or detected. Indeed, due to its high density, chlorinated solvent NAPL is considered a dense non-aqueous phase liquid (DNAPL). Typically, dissolvedphase COCs preferentially migrate with groundwater flow. However, DNAPL-phase COCs tend
to migrate vertically and "sink" in GWBUs and can migrate along the dip of geologic contacts, possibly counter to groundwater flow. The monitoring wells installed at the designated property fully penetrate the shallow GWBU, but DNAPL has not been observed in any of the monitoring wells located at the designated property.

## Non-Ingestion PCLE Zone in Designated Groundwater

As previously discussed, the only COC detected in the shallow GWBU that currently exceeds its applicable TRRP Tier 1 Residential ${ }^{G W}$ GW Ing PCLs is 1,1-DCE. This COC does not exceed its applicable TRRP non-ingestion groundwater PCL (i.e., TRRP Tier 1 Residential inhalation of volatiles from groundwater [Air $\mathrm{GW}_{\text {Inh-v }}$ ] PCL for a 0.5 -acre source area), as discussed below.

- No detectable concentrations of 1,1-DCE identified in groundwater at the designated property exceed its applicable non-ingestion PCL of $1,700 \mathrm{mg} / \mathrm{L}$. As such, a 1,1-DCE non-ingestion PCLE zone has not been identified on the designated property.


## Appendix E - Summary of Soil and Groundwater Data

This appendix summarizes the results of the affected property assessment conducted at the designated property.

## Summary of Soil Analytical Results

Between July 2019 and September 2022, a total of nine soil borings (SB-5, SB-6, SB-7, and SB15 through SB-20) and three temporary monitoring wells (SB-2, SB-3, and SB-4) were installed as part of soil assessment activities at the designated property.

A total of 14 soil samples have been collected from the designated property and analyzed in the testing laboratory for various COCs, including VOCs, SVOCs, total petroleum hydrocarbons (TPH), TPH speciation, Resource Conservation and Recovery Act (RCRA) 8 metals, and/or polychlorinated biphenyls (PCBs). The results of soil assessment activities indicated a 2methylnaphthalene concentration in temporary monitoring well soil sample SB-2 (12-13 ft-bgs) and TPH concentrations in the $\mathrm{C}_{12}$ to $\mathrm{C}_{28}$ and/or $\mathrm{C}_{28}$ to $\mathrm{C}_{35}$ carbon ranges in soil samples SB-17 ( $5.5-6.5 \mathrm{ft}-\mathrm{bgs}$ ), SB-17 ( $9-10 \mathrm{ft}-\mathrm{bgs}$ ), and SB-20 (1-2 ft-bgs) exceeding their applicable TRRP Tier 1 Residential soil-to-groundwater ingestion ( ${ }^{G W}$ Soiling) PCLs. Slightly elevated lead concentrations were also identified in soil borings SB-4 (7-8 ft-bgs) and SB-20 (1-2 ft-bgs), exceeding the TRRP Texas-Specific Soil Background Concentration (i.e., its critical TRRP residential PCL ) of 15 milligrams per kilogram ( $\mathrm{mg} / \mathrm{kg} \mathrm{)} \mathrm{}$.

Per TCEQ RG-366/TRRP-22, dated April 2013, SKA determined site-specific TRRP Tier 3 Residential ${ }^{\text {GW }}$ Soil ${ }^{\text {ng }}$ PCLs for lead and 2-methylnaphthalene to ensure concentrations of the COCs were protective of groundwater. The Tier 3 PCLs are based on the Synthetic Precipitation Leaching Procedure (SPLP) laboratory testing results. Based on the SPLP results, the TRRP Tier 3 Residential ${ }^{\text {GW }}$ Soil Ing PCLs for lead and 2-methyInaphthalene were determined to be $40.9 \mathrm{mg} / \mathrm{kg}$ and $26 \mathrm{mg} / \mathrm{kg}$, respectively, and are used as the residential assessment levels (RALs) for lead and 2-methylnaphthalene in surface and subsurface soils at the designated property. None of the detected lead and 2-methylnaphthalene concentrations in soil exceed their applicable RALs.

For the TPH $\mathrm{C}_{12}$ to $\mathrm{C}_{28}$ and/or $\mathrm{C}_{28}$ to $\mathrm{C}_{35}$ carbon ranges exceeding their applicable TRRP Tier 1 Residential ${ }^{\mathrm{GW}}$ Soill ${ }_{\text {ng }}$ PCLs, SKA calculated site-specific TRRP Tier 1 Residential TPH-mixture $\left(\right.$ TPH $\left._{\text {mix }}\right)$ PCLs for soils at the designated property. The TRRP Tier 1 Residential TPH mix Soil PCLs were calculated based on TPH speciation (TX Method 1006) data for soil sample SB-17 (9-10 ft-bgs) using the TCEQ TRRP Tier 1 TPH PCL Calculator (Version 3.0, dated February 2020). Based on the TPH speciation data, the specific TPH mixtures detected in soil at the subject property are protective of groundwater; therefore, a TPH ${ }_{\text {mix }}{ }^{\text {GW }}$ Soil ${ }_{\text {ng }}$ PCL was not calculated. Consequently, the RAL for total TPH in surface soil is based on the TRRP combined soil ingestion, dermal contact, inhalation of volatiles and particulates, and ingestion of aboveground and below-ground vegetables (TotSoilcomb) surface soil pathway PCL, which was calculated to be $10,800 \mathrm{mg} / \mathrm{kg}$. The detected total TPH concentrations in surface soil are well below its applicable site-specific RAL of $10,800 \mathrm{mg} / \mathrm{kg}$. Moreover, the RAL for total TPH in subsurface soil is based on the TRRP soil vapor inhalation (AirSoilmh-v) pathway PCL, which was calculated to be $30,300 \mathrm{mg} / \mathrm{kg}$. Based on all detected surface soil TPH concentrations being below the site-specific RALs without an MSD in place, no subsurface soil samples were collected and analyzed from the subject property.

A summary of maximum COC concentrations identified in soil on the designated property compared to both their TRRP Tier $1{ }^{\text {GW }}$ Soil ${ }_{\text {ng }}$ and ${ }^{\text {TotSoil }}{ }_{\text {comb }}$ PCLs, as well as the Tier 3 Residential ${ }^{\text {GW }}$ Soiling PCLs for lead and 2-methyInaphthalene, and the TPH mix PCLs, is included in Table E. 1.

## Summary of Groundwater Analytical Results

Between July 2019 and January 2023, a total of ten temporary monitoring wells (SB-1 through SB-4 and SB-9 through SB-14), six on-site permanent monitoring wells (MW-1 through MW-6), and one off-site permanent monitoring well (MW-7) were installed as part of groundwater assessment activities for the designated property.

Multiple groundwater monitoring events have been conducted for the designated property between July 2019 and March 2023, and the groundwater samples have been analyzed in the testing laboratory for various COCs, including VOCs, SVOCs, TPH, and lead. Elevated 1,1DCE concentrations were initially identified in 2019 in temporary monitoring wells SB-3 and SB9 installed on the southeast and west portions of the subject property. These temporary monitoring wells were later replaced with permanent monitoring wells. The results of subsequent groundwater assessment activities performed on the designated property in March 2023 indicate that 1,1-DCE only exceeds its applicable TRRP Tier 1 Residential ${ }^{G W}{ }^{G} W_{\text {Ing }}$ PCL in permanent monitoring wells MW-3 and MW-6. Indeed, the elevated 1,1-DCE groundwater plume encompasses monitoring wells MW-3 and MW-6 only, located adjacent to and hydrogeologically downgradient of a sole on-site oil/water separator on the east portion of the designated property.

A summary of maximum COC concentrations identified in groundwater on the designated


TABLE E. 1
SUMMARY OF MAXIMUM SOIL CONCENTRATIONS CITY OF HOUSTON MUNICIPAL SETTING DESIGNATION APPLICATION

## $\pm 5.745$-ACRE COMMERCIAL PROPERTY

3511 WEST 12TH STREET
HOUSTON, HARRIS COUNTY, TEXAS 77008
IHW SWR NO. 38591

| CHEMICALS OF CONCERN | MAXIMUM SOIL CONCENTRATION |  |  |  | CRITICAL TRRP TIER 1 RESIDENTIAL SOIL PCLs |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Sample Name | Sample Depth (ft-bgs) | Sample Date | Detected Concentration (mg/kg) | Ingestion PCL (Without MSD) | Non-Ingestion PCL <br> (With MSD) |
|  |  |  |  |  | ${ }^{\text {cw }}$ Soil ${ }_{\text {lng }}$ (mg/kg) | ${ }^{\text {Tot }}$ Soil ${ }_{\text {comb }}$ ( $\mathrm{mg} / \mathrm{kg}$ ) |
| Acenaphthene | SB-2 | 12-13 | 7/18/2019 | 24 | 240 | 3,000 |
| Acenaphthylene | SB-2 | 12-13 | 7/18/2019 | 70 | 410 | 3,800 |
| Acetone (2-propanone) | DUP-01 (SB-2) | 7-8 | 7/17/2019 | 0.061 | 43 | 66000 |
| Anthracene | SB-2 | 12-13 | 7/18/2019 | 1.8 | 6,900 | 18,000 |
| Arsenic | SB-20 | 1-2 | 9/26/2022 | 3.33 J | 5.0 | 24 |
| Barium | SB-19 | 1-2 | 9/26/2022 | 154 | 440 | 8,100 |
| Benz(a)anthracene | SB-4 | 7-8 | 7/18/2019 | 2.3 | 130 | 41 |
| Benzene | SB-17 | 5.5-6.5 | 9/26/2022 | 0.0123 | 0.026 | 120 |
| Benzo(a)pyrene | SB-4 | 7-8 | 7/18/2019 | 2.9 | 7.6 | 4.1 |
| Benzo(b)fluoranthene | SB-4 | 7-8 | 7/18/2019 | 3.9 | 440 | 42 |
| Benzo(g,h,i)perylene | SB-4 | 7-8 | 7/18/2019 | 1.9 | 46,000 | 1,800 |
| Benzo(k)fluoranthene | SB-4 | 7-8 | 7/18/2019 | 1.4 | 4,500 | 420 |
| 1,1-Biphenyl | SB-2 | 12-13 | 7/18/2019 | 2.1 | 2,500 | 12,000 |
| Bis (2-ethyl-hexyl) phthalate | SB-2 | 7-8 | 7/17/2019 | 0.22 | 160 | 43 |
| n-Butylbenzene | SB-17 | 5.5-6.5 | 9/26/2022 | 0.0393 | 150 | 3,300 |
| sec-Butylbenzene | SB-17 | 5.5-6.5 | 9/26/2022 | 0.0339 | 85 | 3,300 |
| Cadmium | SB-4 | 7-8 | 7/18/2019 | 0.324 J | 1.5 | 52 |
| Carbazole | SB-4 | 7-8 | 7/18/2019 | 0.43 | 4.6 | 230 |
| Carbon disulfide | SB-4 | 7-8 | 7/18/2019 | 0.016 | 14 | 4,600 |
| Chromium | SB-17 | 5.5-6.5 | 9/26/2022 | 22.9 | 2,400 | 33,000 |
| Chrysene | SB-4 | 7-8 | 7/18/2019 | 2.3 | 11,000 | 4,100 |
| Cyclohexane | SB-2 | 12-13 | 7/18/2019 | 0.18 | 5,900 | 75,000 |
| Dibenz(a,h)anthracene | SB-4 | 7-8 | 7/18/2019 | 0.5 | 15 | 4.0 |
| Dibenzofuran | SB-2 | 12-13 | 7/18/2019 | 1.5 | 33 | 270 |
| 1,1-Dichloroethane | SB-17 | 5.5-6.5 | 9/26/2022 | 0.00951 | 18 | 11,000 |
| 1,1-Dichloroethene | SB-17 | 5.5-6.5 | 9/26/2022 | 0.0428 | 0.050 | 2,300 |
| Di-n-butyl phthalate | SB-7 | 1-2 | 7/17/2019 | 0.0048 J | 3,300 | 6,200 |
| Di-n-octyl phthalate | SB-4 | 7-8 | 7/18/2019 | 0.12 | 810,000 | 640 |
| Ethyl benzene | SB-17 | 5.5-6.5 | 9/26/2022 | 0.481 | 7.6 | 6,400 |
| Fluoranthene | SB-4 | 7-8 | 7/18/2019 | 5.9 | 1,900 | 2,300 |
| Fluorene | SB-4 | 7-8 | 7/18/2019 | 0.56 | 300 | 2,300 |
| Hexachlorobenzene | SB-5 | 11-12 | 7/19/2019 | 0.0082 | 1.1 | 1.1 |
| Indeno(1,2,3-cd)pyrene | SB-4 | 7-8 | 7/18/2019 | 2.0 | 1,300 | 42 |
| Isopropylbenzene | SB-2 | 12-13 | 7/18/2019 | 0.071 | 350 | 4,300 |
| p-Isopropyltoluene | SB-17 | 5.5-6.5 | 9/26/2022 | 0.0509 | 230 | 8,200 |
| Lead | SB-4 | 7-8 | 7/18/2019 | 40.9 | 3.0 | 500 |
| SPLP Lead | SFI-SB-2* | 7-8 | 9/30/2020 | 0.00339 J | -- | -- |
| Mercury | SB-20 | 1-2 | 9/26/2022 | 0.0601 | 2.1 | 8.3 |
| Methyl cyclohexane | SB-2 | 12-13 | 7/18/2019 | 3.6 | 16,000 | 41,000 |
| Methyl ethyl ketone (2-butanone) | SB-17 | 5.5-6.5 | 9/26/2022 | 0.0102 J | 29 | 40,000 |
| 2-Methylnaphthalene | SB-2 | 12-13 | 7/18/2019 | 26 | 17 | 250 |
| SPLP 2-Methylnaphthalene | SB-15* | 12-13 | 10/9/2020 | 0.023 | -- | -- |
| Naphthalene | SB-2 | 12-13 | 7/18/2019 | 5.6 | 31 | 220 |
| Phenanthrene | SB-4 | 7-8 | 7/18/2019 | 3.7 | 420 | 1,700 |
| Polychorinated biphenyls (PCBs) | SB-20 | 1-2 | 9/26/2022 | 0.0312 J | 11 | 1.1 |
| n-Propylbenzene | SB-17 | 5.5-6.5 | 9/26/2022 | 0.113 | 45 | 2,200 |
| Pyrene | SB-2 | 12-13 | 7/18/2019 | 6.2 | 1,100 | 1,700 |
| Selenium | SB-16 | 3-4 | 9/26/2022 | 0.649 J | 2.3 | 310 |
| Silver | SB-4 | 7-8 | 7/18/2019 | 0.0466 J | 0.48 | 97 |
| Total TPH ( $\mathrm{C}_{6}-\mathrm{C}_{35}$ ) | SB-20 | 1-2 | 9/26/2022 | 1,880 | -- | -- |
| 1,2,4-Trimethylbenzene | SB-17 | 5.5-6.5 | 9/26/2022 | 2.47 | 33 | 1,600 |
| 1,3,5-Trimethylbenzene | SB-17 | 5.5-6.5 | 9/26/2022 | 0.0150 | 36 | 1,500 |
| Vinyl chloride | SB-17 | 5.5-6.5 | 9/26/2022 | 0.00391 J | 0.022 | 3.7 |
| m,p-Xylene | SB-2 | 12-13 | 7/18/2019 | 7.3 | 110 | 8,900 |
| o-Xylene | SB-4 | 7-8 | 7/18/2019 | 0.0020 J | 71 | 48,000 |
| Total Xylenes | SB-2 | 12-13 | 7/18/2019 | 7.3 | 120 | 6,000 |

## NOTES:

"--" indicates not applicable
"ft-bgs" represents feet below ground surface
"mg/kg" represents milligrams per kilogram.
"IHW" represents Industrial Hazardous Waste
"SWR" represents Solid Waste Registration.
"TCEQ" represents Texas Commission on Environmental Quality.
"TRRP" represents Texas Risk Reduction Program.
"PCL" represents Protective Concentration Level.
Only analytes with at least one sample with a concentration above the laboratory Sample Detection Limit (SDL) shown on this table
"J" Indicates that the target analyte was positively identified above the SDL but below the Method Quantitation Limit (MQL).
Concentrations highlighted yellow exceed the critical TRRP Tier 1 Residential Soil PCL (ingestion PCL) without an MSD in place but do not exceed the critical TRRP Tier 1 Residential Soil PCL (non-ingestion PCL) with an MSD in place.
Concentrations highlighted pink exceed the critical TRRP Tier 1 Residential Soil PCL (non-ingestion PCL) with an MSD in place.
TCEQ TRRP Tier 1 Residential Soil PCLs (30 Texas Administrative Code [TAC] 350) Table 1: Tier 1 Residential Soil PCLs, dated May 10, 2023.
"SFI-SB-2*" indicates sample SEI-SB-2 ( $7-8 \mathrm{ft}$-bgs) was collected from the same location and sample interval as SB-4 (7-8 ft-bgs).
" $\mathrm{SB}-15^{*}$ " indicates sample $\mathrm{SB}-15$ ( $12-13 \mathrm{ft}$-bgs) was collected from the same location and sample interval as $\mathrm{SB}-2(12-13 \mathrm{ft}-\mathrm{bgs}$ ).

SUMMARY OF MAXIMUM GROUNDWATER CONCENTRATIONS CITY OF HOUSTON MUNICIPAL SETTING DESIGNATION APPLICATION $\pm 5.745-A C R E$ COMMERCIAL PROPERTY

3511 WEST 12TH STREET
HOUSTON, HARRIS COUNTY, TEXAS 77008 IHW SWR NO. 38591

| CHEMICALS OF CONCERN | MAXIMUM GROUNDWATER CONCENTRATION |  |  | CRITICAL TRRP TIER 1 RESIDENTIAL GROUNDWATER PCLs |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Sample Name | Sample Date | Detected Concentration (mg/L) | Ingestion PCL (Without MSD) | Non-Ingestion PCL (With MSD) |
|  |  |  |  | ${ }_{(\mathrm{mg}}^{\mathrm{GW}} \mathrm{GW}_{\text {Ing }}$ | Air $^{\mathbf{G}} \mathbf{W}_{\text {Inh-v }}$ (mg/L) |
| Acetone | MW-1 | 3/22/2023 | 0.00737 J | 22 | 1,000,000 |
| Acetophenone | SB-9_GW | 7/19/2019 | 0.00012 J | 2.4 | -- |
| Anthracene | DUP-01 (SB-2_GW) | 7/19/2019 | 0.000023 J | 7.3 | -- |
| Benzene | SB-9_GW | 7/19/2019 | 0.00058 J | 0.0050 | 180 |
| Benzo(a)pyrene | SB-3_GW | 7/19/2019 | 0.000038 J | 0.0002 | 29 |
| 1,1' -Biphenyl | SB-2_GW | 7/19/2019 | 0.000087 J | 12 | -- |
| Bis(2-ethylhexyl)phthalate | SB-3_GW | 7/19/2019 | 0.00026 J | 0.006 | -- |
| Caprolactam | SB-9_GW | 7/19/2019 | 0.00068 | 12 | -- |
| Chloroform | SB-3_GW | 7/19/2019 | 0.00047 J | 0.24 | 20 |
| Dibenzofuran | DUP-01 (SB-2_GW) | 7/19/2019 | 0.00011 | 0.098 | -- |
| 1,1-Dichloroethane | MW-6 | 9/27/2022 | 0.0168 | 4.9 | 43,000 |
| 1,1-Dichloroethene | SB-3_GW | 7/19/2019 | 0.160 | 0.0070 | 1,700 |
| cis-1,2-Dichloroethene | SB-9_GW | 7/19/2019 | 0.0025 | 0.070 | 1,200 |
| Diethyl phthalate | SB-9_GW | 7/19/2019 | 0.0053 | 20 | -- |
| Di-n-butyl phthalate | SB-9_GW | 7/19/2019 | 0.00026 J | 2.4 | -- |
| Di-n-octyl phthalate | SB-9_GW | 7/19/2019 | 0.00032 J | 0.24 | -- |
| Ethylbenzene | SB-2_GW | 7/19/2019 | 0.00044 | 0.70 | 30,000 |
| Fluoranthene | SB-3_GW | 7/19/2019 | 0.000056 J | 0.98 | -- |
| Fluorene | SB-2_GW | 7/19/2019 | 0.000048 J | 0.98 | -- |
| Methylcyclohexane | SB-2_GW | 7/19/2019 | 0.0037 | 120 | 1,400 |
| 2-Methylnaphthalene | DUP-01 (SB-2_GW) | 7/19/2019 | 0.0023 | 0.098 | -- |
| Methyl tert-butyl ether | MW-3 | 9/27/2022 | 0.00793 | 0.24 | 4,000 |
| Naphthalene | DUP-01 (SB-2_GW) | 7/19/2019 | 0.0017 | 0.49 | 320 |
| Phenanthrene | SB-2_GW | 7/19/2019 | 0.000048 J | 0.73 | -- |
| Phenol | SB-9_GW | 7/19/2019 | 0.00032 J | 7.3 | 160,000 |
| Pyrene | SB-3_GW | 7/19/2019 | 0.000049 J | 0.73 | -- |
| Trichloroethene | SB-3_GW | 7/19/2019 | 0.00089 J | 0.0050 | 24 |
| Vinyl chloride | SB-9_GW | 7/19/2019 | 0.0015 | 0.0020 | 3.8 |
| m,p-Xylene | SB-2_GW | 7/19/2019 | 0.0019 J | 10 | 9,400 |
| Total Xylenes | SB-2_GW | 7/19/2019 | 0.0019 | 10 | 10,000 |

$\frac{\text { NOTES: }}{\text { "--" indic }}$
"--" indicates not applicable.
" $\mathrm{mg} / \mathrm{L}$ " represents milligrams per liter
"IHW" represents Industrial Hazardous Waste
"SWR" represents Solid Waste Registration.
"TCEQ" represents Texas Commission on Environmental Quality.
"TRRP" represents Texas Risk Reduction Program.
"PCL" represents Protective Concentration Level.
Only analytes with at least one sample with a concentration above the laboratory Sample Detection Limit (SDL) shown on this table
"J" Indicates that the target analyte was positively identified above the SDL but below the Method Quantitation Limit (MQL)
Concentrations highlighted yellow exceed the critical TRRP Tier 1 Residential Groundwater PCL (ingestion PCL) without an MSD in place but do not Concentrations highlighted yellow exceed the critical TRRP Tier 1 Residential Groundwater PCL (ingestion
exceed the critical TRRP Tier 1 Residential Groundwater PCL (non-ingestion PCL) with an MSD in place.
Concentrations highlighted pink exceed the critical TRRP Tier 1 Residential Groundwater PCL (non-ingestion PCL) with an MSD in place
TCEQ TRRP Tier 1 Residential Groundwater PCLs (30 Texas Administrative Code [TAC] 350) Table 3: Tier 1 Residential and Commercial/Industrial Groundwater PCLs, dated May 10, 2023.

## Appendix F - Off-Site Impacted Property Owners

COCs in groundwater at the designated property may have migrated to the off-site properties listed in Table F. 1 at concentrations exceeding their applicable TRRP Tier 1 Residential ${ }^{\mathrm{GW}} \mathrm{GW}_{\text {Ing }}$ PCLs. Notifications have been sent to the owner of each listed property in accordance with 30 Texas Administrative Code (TAC) §350.55.

TABLE F. 1
OFF-SITE PROPERTY OWNER NOTIFICATIONS CITY OF HOUSTON MUNICIPAL SETTINGS DESIGNATION APPLICATION
$\pm 5.745-A C R E$ COMMERCIAL PROPERTY
3511 WEST 12TH STREET
HOUSTON, HARRIS COUNTY, TEXAS 77008

## IHW SWR NO. 38591

| HCAD ID | Property Address |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Property Owner Address | City | State | Zip Code |  |  |
| 0440820000650 | 0 HEMPSTEAD ROAD | SOUTHERN PACIFIC RAILROAD COMPANY | 1400 DOUGLAS STREET STOP 1640 | OMAHA | NEBRASKA |
| 0440820000475 | 0 WEST 11TH STREET | UNION PACIFIC RAILROAD COMPANY | 1400 DOUGLAS STREET STOP 1640 | OMAHA | NEBRASKA |

Notes:
"IHW" represents Industrial Hazardous Waste
"SWR" represents Solid Waste Registration.
"HCAD" represents Harris County Appraisal District
"ROW" represents right-of-way.
The information presented in the table above was obtained from the publicly-available HCAD Parcel Viewer (arcweb.hcad.org/parcelviewer).

## Appendix G - Plume Stability

The following sections provide discussions regarding the extent of any soil plumes and the extent and stability of the groundwater contaminant plumes within the designated property.

## Soil Plumes

Based on the soil assessment results, a soil plume (i.e., PCLE zone) does not exist on the designated property. A summary of all soil analytical results for the designated property is included in Table G.1.

## Groundwater Plumes - Delineation and Sources

Based on the groundwater assessment results, only concentrations of the chlorinated solvent 1,1-DCE currently exceed its applicable TRRP Tier 1 Residential ${ }^{\text {GW }}$ GW $_{\text {Ing }}$ PCLs. The groundwater contaminant plume identified at the designated property is described in detail below.

## 1,1-DCE Plume

As previously discussed in Appendix D, the 1,1-DCE PCLE zone in the uppermost GWBU encompasses monitoring wells MW-3 and MW-6 on Tract 1 and into the Seamist Drive ROW adjoining Tract 1 to the east. The source of the 1,1-DCE in groundwater is attributed to a likely historical release from the on-site oil/water separator related to former industrial occupants on the east portion of Tract 1.

The 1,1-DCE groundwater contaminant plume is fully delineated, including in the hydrogeologically crossgradient to downgradient directions by an off-site temporary monitoring well installed as part of prior assessment activities at the $\pm 9.55$-Acre Commercial Property IHW CorrAct site (IHW SWR No. 82425) at 3480 and 3484 West $11^{\text {th }}$ Street, about 60 feet east of the designated property. Moreover, the 1,1-DCE groundwater contaminant plume is delineated in the downgradient direction by several off-site monitoring wells installed as part of prior assessment activities at the Former Air Liquide Facility Voluntary Cleanup Program (VCP) site (VCP No. 2721) at 3602 West $11^{\text {th }}$ Street, about 40 feet south of the designated property. The 1,1-DCE concentrations are decreasing in trend. Since no chlorinated solvents are currently used on the designated property and the 1,1-DCE release is from historical on-site activities, this decreasing 1,1-DCE concentration trend is expected to continue.

All other COCs in groundwater were detected at concentrations below their respective TRRP RALs. A summary of all groundwater analytical results for the designated property is included in Table G.2.

## Groundwater Plumes - Stability

A stable groundwater PCLE zone plume provides evidence that natural conditions are effectively controlling the extent of COCs and that expansion of the groundwater plume over time is unlikely to occur. The natural processes that are primarily responsible for achieving a stable groundwater plume involve biodegradation by native microorganisms, adsorption of COCs to soil particles, and dispersion of the COCs through groundwater flow. Collectively, these processes are referred to as natural attenuation.

TCEQ regulatory guidance recommends demonstrating a stable groundwater plume using a lines-of-evidence approach (RG-366/TRRP-33, revised September 2010). The lines-ofevidence approach is employed to document that natural attenuation is occurring at a rate that is sufficient to effectively control the migration of COCs in groundwater, resulting in protective conditions once the institutional control (i.e., the COH MSD Ordinance and TCEQ MSD Certificate) is in place. The lines of evidence which can be used include:

1. Primary lines of evidence (PLOE): Relies on historical groundwater data to demonstrate a stable or decreasing trend of COC concentrations over time and with distance away from the source area.
2. Secondary lines of evidence (SLOE): Uses hydrogeologic or chemical indicators to document the occurrence of natural attenuation processes. Examples include the presence of daughter products to indicate active degradation of the parent compound, ratios of parent compounds to daughter products to evaluate the extent of degradation, geochemistry data to demonstrate that appropriate subsurface conditions exist, and groundwater flow rate calculations for assessing plume migration potential.
3. Other lines of evidence (OLOE): Most often consist of predictive modeling studies and laboratory or field studies to further demonstrate an understanding of the natural attenuation processes occurring at the designated property and their effectiveness at controlling PCLE zone migration and decreasing COC concentrations.

The extent to which the various lines of evidence are evaluated at a site, or whether the analysis proceeds beyond the primary lines of evidence, depends on the project objectives and the extent of available data. For the 1,1-DCE groundwater plume beneath the designated property, SKA evaluated primary and/or secondary lines of evidence using the groundwater monitoring data generated from 2019 to 2023.

## PLOE

A graph of 1,1-DCE concentrations over time in groundwater samples from monitoring wells MW-3 and MW-6 is included as Graph G.1. The graph illustrates the generally decreasing 1,1DCE concentrations in these wells. This COC concentration trend confirms that 1,1-DCE is being naturally attenuated in groundwater.

## SLOE

A summary of average pH and temperature over time in groundwater samples from monitoring wells MW-3 and MW-6 is included in Table G.3.

A pH between 6.0 and 8.5 is generally required for the complete reductive dechlorination of chlorinated ethenes to innocuous products (such as ethane, ethene, or carbon dioxide) to occur. Groundwater with a pH outside of these parameters allows for only slow or incomplete dechlorination, with no reductive dechlorination occurring when pH is less than 5.0 or greater than 10.0. Groundwater sampling data for pH indicate that the average pH levels are well within the required pH range of 6.0 to 8.5 for complete reductive dechlorination to occur within the area of the 1,1-DCE plume, as shown in Table G.3.

At temperatures greater than 20 degrees Celsius ( ${ }^{\circ} \mathrm{C}$ ), biochemical processes are accelerated, including reductive dechlorination. Groundwater sampling temperature data for MW-3 and MW-

City of Houston Municipal Setting Designation SKA Consulting, L.P. Houston, Texas
$\pm 5.745$-Acre Commercial Property
Project No. 17021-0004 November 2023

6 indicate the groundwater temperature on the designated property is greater than $20^{\circ} \mathrm{C}$. Therefore, the groundwater temperature within the area of the 1,1-DCE plume is above the necessary temperature for accelerated reductive dechlorination to occur (Table G.3).

Based on the presented SLOEs, the observed biodegradation processes are expected to continue to reduce COC concentrations in groundwater over time.

GRAPH G. 1
CITY OF HOUSTON MUNICIPAL SETTING DESIGNATION APPLICATION
$\pm 5.745$-ACRE COMMERCIAL PROPERTY
3511 WEST 12TH STREET
HOUSTON, HARRIS COUNTY, TEXAS 77008 IHW SWR NO. 38591


Notes:
"mg/L" represents milligrams per liter.
"IHW" represents Industrial Hazardous Waste
"SWR" represents Solid Waste Registration.

VOLATLE ORGANIC COMPOUNDS（VOCS）

|  |  |  | VOLATLE ORGANIC COMPOUNDS（VOCS） |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\begin{array}{r} \text { O} \\ \text { ⿳亠丷厂彡⿱㇒⿻口卄心㇒ } \\ \hline \end{array}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 年 |  |
|  |  |  | Method 8260C | Method 8260C | Method 8260C <br> $\mathrm{mg} / \mathrm{kg}$ | Method 8260C <br> $\mathrm{mg} / \mathrm{kg}$ | Method 8260C <br> $\mathrm{mg} / \mathrm{kg}$ | Method 8260C <br> mg／kg | Method 8260C <br> $\mathrm{mg} / \mathrm{kg}$ | Method 8260C <br> $\mathrm{mg} / \mathrm{kg}$ | Method 8260C <br> $\mathrm{mg} / \mathrm{kg}$ | Method 8260C <br> $\mathrm{mg} / \mathrm{kg}$ | Method 8260C <br> $\mathrm{mg} / \mathrm{kg}$ | Method 8260C $\mathrm{mg} / \mathrm{kg}$ | Method 8260C | Method 8260C <br> $\mathrm{mg} / \mathrm{kg}$ | $\begin{array}{\|l\|} \hline \text { Method } 82600 \\ \hline \text { makico } \\ \hline \end{array}$ mokg | Method 8260C <br> $\mathrm{mg} / \mathrm{kg}$ | Method 8260C $\mathrm{mg} / \mathrm{kg}$ | Method 8260C <br> $\mathrm{mg} / \mathrm{kg}$ | Method 8260C $\mathrm{mg} / \mathrm{kg}$ | Method 8200 C mqkg | Method 8260C <br> $\mathrm{mg} / \mathrm{kg}$ |
| TEMPORARY MONITORING WELLS（ENVIRONMENTAL RESOURCES MANAGEMENT，INC．［ERM］） |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SB－2 | 7－8 | $71 / 7 / 2019$ | 0.045 | ＜0．00058 | ． |  | ＜0．00070 | $<0.0012$ | ＜0．00058 | ＜0．00058 | 0.013 | 0.040 J | $\cdots$ | 0.059 | $<0.0015$ |  |  | － |  | ＜0．00093 | 0.096 | $<0.0012$ | 0.096 |
|  | 12－13 | 71882019 | 0.043 | $<0.00046$ | － | ． | $<0.00055$ | 0.18 | $<0.00046$ | ＜0．00046 | 0.15 | 0.071 | ． | 3.6 | $<0.0012$ |  |  | ． |  | $<0.00074$ | 7.3 | $<0.052$ | 7.3 |
| DUP－01（SB－2） | $7-8$ | 7177／2019 | 0.061 | ＜0．00059 | － | － | ＜0．00070 | 0.019 | $<0.00059$ | $<0.00059$ | 0.020 | 0.0049 J | － | 0.079 | $<0.0015$ | － |  | － |  | $<0.00094$ | 0.14 | ＜0．0012 | 0.14 |
| SB－3 | 6.7 | 71882019 | $<0.0016$ | ＜0．00039 | － | － | ＜0．00047 | ＜0．00078 | $<0.00039$ | ＜0．00039 | $<0.00055$ | ＜0．00070 | － | ＜0．00078 | $<0.0010$ | － |  | － |  | ＜0．00063 | $<0.0013$ | ＜0．00078 | ＜0．00078 |
| SB－4 | 1－2 | 71882019 | 0.047 | ＜0．00051 | ． | ． | ＜0．00061 | $<0.0010$ | ＜0．00051 | ＜0．00051 | ＜0．00071 | ＜0．00091 |  | $<0.0010$ | $<0.0013$ |  |  |  |  | ＜0．00081 | $<0.0016$ | $<0.0010$ | $<0.0010$ |
|  | 7.8 | $7188 / 2019$ | 0.051 | $<0.00049$ | － | ． | 0.016 | $<0.00099$ | $<0.00049$ | $<0.00049$ | 0.00073 J | $<0.00089$ | － | $<0.00099$ | $<0.0013$ |  |  | － |  | $<0.00079$ | 0.0030 J | 0.0020 J | 0.0050 |
| Soll Borings（ERM） |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SB－5 | 11－12 | 71912019 | $<0.0020$ | ＜0．00049 | ． | ． | ＜0．00059 | ＜0．00098 | ＜0．00049 | ＜0．00049 | ＜0．00069 | ＜0．00088 | ． | ＜0．00098 | $<0.0013$ |  |  | ． |  | ＜0．00078 | $<0.0016$ | ＜0．00098 | ＜0．00098 |
| SB－6 | 2－3 | $7717 / 2019$ | 0.019 | ＜0．00046 | ． | － | 0.0044 J | ＜0．00091 | $<0.00046$ | ＜0．00046 | $<0.00064$ | ＜0．00082 | ． | $<0.00091$ | $<0.0012$ | － | － | － | － | ＜0．00073 | $<0.0015$ | $<0.00091$ | ＜0．00091 |
| SB－7 | 1－2 | $7717 / 2019$ | $<0.0025$ | $<0.00063$ | － | ． | $<0.00075$ | $<0.0013$ | $<0.00063$ | $<0.00063$ | $<0.00088$ | $<0.0011$ |  | $<0.0013$ | $<0.0016$ | － |  | － |  | $<0.0010$ | $<0.0020$ | $<0.0013$ | $<0.0013$ |
| SOIL BORINGS（SKA CONSULTING，L．P．［SKA］） |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SB－16 | 3－4 | 91／6／2022 | $<0.0283$ | ＜0．00124 | ＜0．02296 | ＜0．00289 | ． | － | ＜0．00276 | ＜0．00300 | ＜0．00112 | ＜0．0088 | ＜0．00275 | － | ＜0．00950 | ＜0．00338 | $<0.00274$ | ＜0．02266 | ＜0．00279 | ＜0．00312 |  | $<0.00152$ | ＜0．00152 |
| SB－17 | 5．5．6．5 | 91／6／2022 | 0.0465 J | 0.0123 | 0.0393 | 0.0339 | ． | － | 0.00951 | 0.0428 | 0.481 | 0.0544 | 0.0509 | ． | 0.0102 J | 1.48 | 0.113 | 2.47 | 0.0150 | 0.00391 J | － | ＜0．009901 | 0.148 |
| SB－18 | ${ }^{1.5-2.5}$ | 91／6／2022 | $<0.0136$ | $<0.000597$ | $<0.00142$ | $<0.00139$ | － | ． | $<0.00133$ | $<0.0014$ | $<0.000542$ | ＜0．00137 | $<0.00132$ |  | $<0.00458$ | $<0.00205$ | $<0.00132$ | $<0.00128$ | $<0.00135$ | ＜0．00150 |  | $<0.000733$ | $<0.000733$ |
| SB－19 | 1－2 | 9126／2022 | $<0.0129$ | $<0.000563$ | $<0.00134$ | ＜0．00131 | ． | － | $<0.00126$ | $<0.00137$ | $<0.000511$ | ＜0．00129 | ＜0．00125 | ． | ＜0．00432 | ＜0．00154 | ＜0．00124 | ＜0．00121 | $<0.00127$ | $<0.00142$ | － | $<0.000692$ | $<0.000692$ |
| SB－20 | 1－2 | 91／6／12022 | 0.0206 J | $<0.000712$ | $<0.00170$ | $<0.00166$ | ． | ． | $<0.00159$ | $<0.00173$ | $<0.000646$ | $<0.00163$ | $<0.00158$ | ． | $<0.00546$ | $<0.0445$ | $<0.00157$ | $<0.00153$ | $<0.00160$ | $<0.00179$ | － | $<0.00874$ | $<0.000874$ |
| REGULATORY STANDARDS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TCEQ TRRP Tier 1Residential ${ }^{\circ}{ }^{\circ} W_{\text {Soil }}^{\text {m }}$ PCLS（ 0.5 －AcreSource Area） |  |  | 43 | 0.026 | 150 | ${ }^{85}$ | 14 | 5，900 | 18 | 0.050 | 7.6 | 350 | 230 | 16，000 | 29 | 31 | 45 | 33 | 36 | 0.022 | 110 | 71 | 120 |
| $\begin{gathered} \text { TCEQ TRRP Tier 1 } \\ \text { Residential } \\ \text { (0.5-Acre Soil } \left.{ }^{\text {Tomb }} \text { PCL } \text { PCL Area) }\right) \\ \hline \end{gathered}$ |  |  | 66，000 | 120 | 3，300 | 3，300 | 4，600 | 75，000 | 11，000 | 2，300 | 6，400 | 4，300 | 8，200 | 41，000 | 40，000 | 220 | 2，200 | 1，600 | 1，500 | 3.7 | 8，900 | 48，000 | 6，000 |

Notes：
＂indicates not analyzed．
t－bgg＂ m ＂epresents feet below ground surface．
IHW representsis industriai Hazaracous Wasie
TCEO＂reneresensts s T 竍 Waste Registration．
TRRP＂repesents Texas Risk Reduction Program，
Onl VOC analyes with a teast one sample with a concentration above the laboratory Sample Detection Limit（SDL）shown on this table．
Concentrations in oold weer deetected at ot a above the laboratory SDL．


|  |  |  | SEM-VOLATLE ORGANIC COMPOUNDS (SVOCs) |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  | Bis(2-ethylhexy)phthalate |  |  |
|  |  |  | $\begin{aligned} & \text { Methoo 82700 } \\ & \hline \text { mglkg } \end{aligned}$ | $\begin{gathered} \text { Method 8270D } \\ \mathrm{mg} / \mathrm{kg} \\ \hline \end{gathered}$ | ${ }_{\substack{\text { Method } 82700 \\ \text { makg }}}^{\text {a }}$ | ${ }_{\substack{\text { Methood } 82700 \\ \text { moka }}}^{\text {a }}$ | ${ }_{\substack{\text { Methoo } 82700 \\ \text { mgka }}}$ | ${ }_{\substack{\text { Method } 8 \text { 82700 } \\ \text { mgkg }}}$ |  | ${ }_{\substack{\text { Metho } 882700 \\ \text { mgkg }}}$ |  |  |  | $\underbrace{\text { mgkg }}_{\text {Methoo 89700 }}$ |
| TEMPORARY MONITORING WELLS (ENVIRONMENTAL RESOURCES MANAGEMENT, INC. [ERM]) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SB-2 | 7.8 | $7717 / 2019$ | $<0.00057$ | $<0.0011$ | 0.0225 J | $<0.0018$ | $<0.0011$ | $<0.0014$ | <0.0080 | $<0.0010$ | 0.023 | 0.022 | $<0.0014$ | ${ }^{<0.00091}$ |
|  | $12-13$ | $71 / 8 / 2019$ | 24 | 70 | 1.8 | $<0.34$ | $<0.22$ | $<0.26$ | $<0.15$ | $<0.19$ | 2.1 | $<0.37$ | $<0.26$ | $<0.17$ |
| DUP-01 (SB-2) | 7.8 | $7717 / 2019$ | $<0.0056$ | $<0.011$ | $<0.0056$ | $<0.018$ | $<0.011$ | $<0.013$ | $<0.0078$ | $<0.010$ | 0.063 J | $<0.019$ | $<0.013$ | $<0.0089$ |
| SB-3 | 6.7 | $7118 / 2019$ | $<0.00055$ | $<0.0011$ | <0.00055 | $<0.0018$ | $<0.0011$ | $<0.0013$ | $<0.00078$ | $<0.0010$ | $<0.0019$ | 0.015 | $<0.0013$ | $<0.0089$ |
| SB-4 | 1-2 | $7118 / 2019$ | 0.20 | $<0.011$ | 0.55 | 1.4 | 1.7 | 2.2 | 1.2 | 0.97 | $<0.019$ | $<0.019$ | 0.25 | 1.3 |
|  | 7.8 | 7/1820019 | 0.39 | $<0.012$ | 1.1 | 2.3 | 2.9 | 3.9 | 1.9 | 1.4 | $<0.020$ | $<0.020$ | 0.43 | 2.3 |
| Soll borings (ERM) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SB-5 | $11-12$ | 71912019 | $<0.00056$ | 0.044 | <0.00056 | <0.0018 | $<0.0011$ | $<0.0013$ | $<0.00078$ | $<0.0010$ | 0.0051 J | $<0.0019$ | $<0.0013$ | $<0.00089$ |
| SB-6 | 2-3 | $7717 / 2019$ | $<0.00061$ | $<0.0012$ | $<0.00061$ | $<0.0019$ | $<0.0012$ | $<0.0015$ | $<0.00085$ | $<0.0011$ | $<0.0021$ | 0.016 | $<0.0015$ | $<0.00097$ |
| SB-7 | 1-2 | 7177/2019 | $<0.00058$ | $<0.0012$ | $<0.00058$ | $<0.0019$ | $<0.0012$ | $<0.0014$ | $<0.00881$ | $<0.0010$ | $<0.0020$ | 0.018 | 0.0029 J | $<0.00093$ |
| Soll borings (SKA CONSULTING, L.P. [SKA]) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SB-16 | 3-4 | 91/6/2022 | $<0.0184$ | $<0.0176$ | $<0.0164$ | $<0.0167$ | $<0.0205$ | $<0.0150$ | $<0.0183$ | $<0.0230$ | - | $<0.198$ | . | $<0.0197$ |
| SB-17 | 5.5-6.5 | 9/26/2022 | $<0.0194$ | $<0.0185$ | $<0.0173$ | $<0.0176$ | $<0.0216$ | $<0.0158$ | $<0.0193$ | $<0.0243$ | . | $<0.209$ | - | $<0.0207$ |
| SB-18 | 1.5-2.5 | 9126/2022 | $<0.00291$ | $<0.00315$ | $<0.00298$ | $<0.00269$ | $<0.00307$ | $<0.00345$ | $<0.00332$ | $<0.00334$ | . | - | - | $<0.00232$ |
| SB-19 | 1-2 | 9126/2022 | $<0.00261$ | 0.0118 | 0.0126 | 0.00682 | 0.00748 | 0.0134 | 0.0147 | 0.00424 | - | - | - | 0.00963 |
| SB-20 | 1-2 | 9/26/2022 | $<0.0578$ | $<0.0626$ | 0.0734 J | 0.193 | 0.184 | 0.232 | 0.116 | $<0.0664$ | . | . | - | 0.190 |
| REGULATORY STANDARDS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 240 | 410 | 6,900 | 130 | 7.6 | 440 | 46,000 | 4,500 | 2,500 | 160 | 4.6 | 11,000 |
| TCEQ TRRP Tier 1Residential ${ }^{\text {Tot }}$ Soil ${ }^{\text {comp }}$ PCLS( 0.5 -AcreSource Area) |  |  | 3,000 | 3,800 | 18,000 | 41 | 4.1 | 42 | 1,800 | 420 | 12,000 | 43 | 230 | 4,100 |

$\frac{\text { Notes: }}{N-1 \text { indicates not analyzed }}$
"mgkkg repeesesents miligrams per kilograms
"HWW" reperesent Industrial Hazardous Waste
"TCEQ" represents Texas Commission on $E$
"TREP" reppesenens Texas Commisision on Environm.
Only svoc analyes with at least one sample with a concentration above the laboratoy Sample Detection Limit (SDL) shown on this table



SEMI-VOLATLLE ORGANIC COMPOUNDS (SVOCS)

$\stackrel{\text { Notesi }}{\cdots}$ "inicates not analyzed.
"tt-bgs" represents teet below ground surface
"mgkk" represents miliframs per kiograms.

"HW" repesents Industrial Hazardous Wasie

TRRP" represents Texas Risk Reduction Progral
Only svoc analyes with at least one sample with a concentraion above the laboratory Sample Detection Limit (SDL) shown on this table.
"-" nidicales the analye was not detecteded a o r above the specified laboratory SDL.


** indicates sample SB-15 (12-13 t-bgs) was collected foom the same locaion and sample inteval as SB-2 (12-13 t-bgs)

|  |  |  | TOTAL PETROLEUM HYDROCARBONS (TPH) |  |  |  | TPH SPECIATION |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  | ALIPH |  |  |  |  |  |  | AROMATICS |  |  |  |  |  |
|  |  |  | $\begin{aligned} & \text { en } \\ & 0.0 \end{aligned}$ |  | $\begin{aligned} & \stackrel{\circ}{0} \\ & \stackrel{0}{0} \\ & \hline \end{aligned}$ |  | - | $\begin{aligned} & \ddot{0} \\ & \stackrel{0}{0} \\ & 0 \end{aligned}$ | $\begin{aligned} & \circ \\ & 0 . \\ & 0.0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { "a } \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{0} \\ & \stackrel{0}{\pi} \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & 0.0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 80 \\ & 0.0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { ö } \\ & 0.0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & 0.0 \\ & 0.0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { "a } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $$ |  | 80 0 0 0 |
|  |  |  | $\begin{array}{\|c\|} \hline \text { TX Method } 1005 \\ \text { mglkg } \\ \hline \end{array}$ | $\begin{array}{\|l\|l\|} \hline \text { TX Method } 1005 \\ \text { mg mkg } \\ \hline \end{array}$ | $\begin{gathered} \text { TX Method } 1005 \\ \text { mgkg } \\ \hline \hline \end{gathered}$ |  | $\begin{array}{\|l\|} \hline \text { TX Method } 1006 \\ \hline \text { mglkg } \\ \hline \hline \end{array}$ | $\begin{array}{\|l\|} \hline \text { TX Method } 1006 \\ \text { mglkg } \\ \hline \hline \end{array}$ | $\begin{array}{\|l\|l\|} \hline \text { TX Method } 1006 \\ \text { mglkg } \\ \hline \hline \end{array}$ | $\begin{array}{\|l\|l\|} \hline \text { TX Method } 1006 \\ \text { mglkg } \\ \hline \hline \end{array}$ | ${ }_{\substack{\text { TX Method } 1006 \\ \text { mokg }}}^{\text {a }}$ | $\begin{gathered} \text { TX Method } 1006 \\ \text { mgkg } \\ \hline \hline \end{gathered}$ | $\begin{gathered} \text { TX Method } 1006 \\ \text { mgkg } \\ \hline \hline \end{gathered}$ | $\begin{aligned} & \text { TX Method } 1006 \\ & \hline \text { mgkg } \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline \text { TX Method } 1006 \\ \text { mglkg } \\ \hline \hline \end{array}$ | $\begin{array}{\|l\|} \hline \text { TX Method } 1006 \\ \text { mglkg } \\ \hline \hline \end{array}$ | $\begin{array}{\|l\|} \hline \text { TX Method } 1006 \\ \text { mglkg } \\ \hline \hline \end{array}$ | $\begin{array}{\|l\|l\|} \hline \text { TX Method } 1006 \\ \text { mglkg } \\ \hline \end{array}$ | $\begin{array}{\|c} \text { TX Method } 1006 \\ \text { mgkg } \\ \hline \end{array}$ |
| SOIL BORINGS (SKA CONSULTING, L. P. [SKA]) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SB-16 | 3-4 | 9/26/2022 | <20.1 | 62.3 | <20.1 | 62.3 | - | $\cdots$ | $\cdots$ | $\cdots$ | - | . | - | - | - | - | - | - | . |
| SB-17 | 5.5-6.5 | 9/26/12022 | 39.5 J | 740 | 80.9 | 860 | 27.0 J | <23.4 | 29.3 J | 47.4 | 402 | 595 | 595 | <23.4 | <23.4 | <23.4 | 84.3 | 111 | 117 |
|  | $9-10$ | 9/26/2022 | 28.2 J | 452 | 54.6 J | 535 | <27.7 | $<27.7$ | $<27.7$ | $<27.7$ | 430 | 147 | 224 | $<27.7$ | $<27.7$ | $<27.7$ | 45.3 J | 49.5 J | 91.7 |
| SB-18 | 1.5-2.5 | 9/26/1022 | $<19.1$ | $<19.1$ | $<19.1$ | $<19.1$ | - | - | . | - | - | - | - | - | - | - | - | - | - |
| SB-19 | 1-2 | 9/26/12022 | $<16.5$ | $<16.5$ | $<16.5$ | $<16.5$ | - | - | - | - | - | - | - | - |  | - | - | - |  |
| SB-20 | 1-2 | 9/26/2022 | <42.1 | 1,600 | 279 | 1,880 | 26.15 | $<25.0$ | $<25.0$ | <25.0 | 265 | 501 | 769 | <25.0 | <25.0 | <25.0 | 52.9 | 142 | 206 |
|  | 2-3 | 9/26/2022 | $<20.5$ | $<20.5$ | $<20.5$ | $<20.5$ |  |  |  |  |  |  |  | - |  |  |  | $\cdot$ |  |
| ( REGULATORY STANDARDS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} \text { TCEQ TRRP Tier 1 } \\ \text { Residential }{ }^{\text {CW Soil }{ }_{20} \text { PCLLS }} \\ (0.5 \text { PAcre Source Area) } \end{gathered}$ |  |  | 65 | 200 | 200 | - | 170 | 420 | 3,600 | 25,000 | 490,000 | 1,000,000 | 1,000,000 | 20 | 65 | 100 | 200 | 470 | 3,700 |
| TCEQ TRRP Tier 1 Residential ${ }^{\text {To }}$ Soil ${ }^{\text {comb }}$ PCLs (0.5-Acre Source Area) |  |  | 1,600 | 2,300 | 2,300 | - | 4,800 | 4,800 | 4,000 | 3,600 | 4,300 | 130,000 | 130,000 | 6,400 | 1,600 | 1,900 | 2,300 | 2,000 | 2,000 |
| $\begin{gathered} \text { TCEQ TRRP Tier } 1 \text { Residential } \\ \text { TPH-Mixture }\left(\text { TPP }_{\text {Mix }}{ }^{\text {CW }}\right. \text { Soililing PCL } \end{gathered}$(0.5-Acre Source Area) |  |  | - | - | - | NA | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TCEQ TRRP Tier 1 Residential TPH ${ }_{\text {wix }}{ }^{\text {Tot }}$ Soil ${ }^{\text {comb }}$ PCL (0.5-Acre Source Area) |  |  | - | - | - | 10,800 | - | - | - | - | - | - | - | - | - | - | - | - | - |

Notes:
"indicates not analyzed.
t-bgs" represensts feet below ground surface.
"ngkg "eperesint milligams per kiogranan
SWR" represents solid Waste Registation
TREQ" represents Texas Commission on Environm
"indicates the analye was not delected at or above the specified laboratory Sample Detection Limit (SDL)
"indicates the detected concentration is a ane the laborator SDL.



|  |  |  | RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) 8 METALS |  |  |  |  |  |  |  |  | PCBs |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  | ّ | $\begin{aligned} & \stackrel{\rightharpoonup}{a} \\ & \stackrel{3}{3} \\ & \stackrel{a}{a} \end{aligned}$ | $\begin{aligned} & \frac{2}{2} \\ & \frac{20}{20} \\ & \hline \end{aligned}$ |  | $\frac{\stackrel{\rightharpoonup}{0}}{\frac{1}{5}}$ |  |
|  |  |  | $\begin{gathered} \text { Method 6020A } \\ \mathrm{mg} / \mathrm{kg} \\ \hline \end{gathered}$ | $\begin{gathered} \text { Method 6020A } \\ \mathrm{mg} / \mathrm{kg} \\ \hline \end{gathered}$ | $\begin{gathered} \text { Method 6020A } \\ \mathrm{mg} / \mathrm{kg} \\ \hline \hline \end{gathered}$ | $\begin{gathered} \text { Method 6020A } \\ \mathrm{mg} / \mathrm{kg} \\ \hline \hline \end{gathered}$ | $\begin{gathered} \text { Method 6020A } \\ \mathrm{mg} / \mathrm{kg} \end{gathered}$ | $\begin{gathered} \text { Method } 6020 \\ \mathrm{mg} / \mathrm{L} \\ \hline \end{gathered}$ | $\begin{gathered} \text { Method 7471A } \\ \mathrm{mg} / \mathrm{kg} \\ \hline \hline \end{gathered}$ | $\begin{gathered} \text { Method 6020A } \\ \mathrm{mg} / \mathrm{kg} \\ \hline \end{gathered}$ | $\begin{gathered} \text { Method 6020A } \\ \mathrm{mg} / \mathrm{kg} \end{gathered}$ | $\begin{gathered} \text { Method 8082A } \\ \mathrm{mg} / \mathrm{kg} \\ \hline \end{gathered}$ |
| TEMPORARY MONITORING WELLS (ENVIRONMENTAL RESOURCES MANAGEMENT, INC. [ERM]) |  |  |  |  |  |  |  |  |  |  |  |  |
| SB-2 | 7-8 | 71772019 | 3.22 | 69.4 | <0.0295 | 10.6 | 11.8 | - | 0.00722 | 0.647 | 0.0243 J | - |
|  | $12 \cdot 13$ | 7/18/2019 | 0.897 | 65.6 | $<0.0283$ | 2.50 | 4.24 | . | 0.00126 J | 0.203 J | $<0.0157$ | . |
| DUP-01 (SB-2) | $7-8$ | 7117/2019 | 1.28 | 108 | $<0.0292$ | 8.32 | 5.76 | - | 0.00176 J | 0.245 J | $<0.0162$ | - |
| SB-4 | 1-2 | 7/18/2019 | 0.936 | 20.1 | 0.0502 J | 4.01 | 11.3 | - | 0.0143 | 0.198 J | $<0.0154$ | $\cdot$ |
|  | 7.8 | 7118/2019 | 1.22 | 31.9 | 0.324 J | 8.43 | 40.9 | . | 0.0201 | 0.337 J | 0.0466 J | . |
| Soll boring (ERM) |  |  |  |  |  |  |  |  |  |  |  |  |
| SFI-SB-2* | $7-8$ | 9/3012020 | . | . | - | $\cdots$ | - | 0.00339 J | . | . | . | - |
| Soll borings (SKA Consulting, L. P. [SKA]) |  |  |  |  |  |  |  |  |  |  |  |  |
| SB-16 | 3-4 | 9/26/2022 | 3.14 J | 83.8 | $<0.191$ | 14.4 | 8.95 | - | 0.0134 J | 0.649 J | $<0.170$ | - |
| SB-17 | 5.5-6.5 | 9/26/2022 | 2.05 J | 95.6 | $<0.195$ | 22.9 | 9.19 | - | 0.0213 J | 0.619 J | <0.173 | $\cdot$ |
| SB-18 | 1.5-2.5 | 9/2612022 | 2.78 J | 107 | $<0.191$ | 8.06 | 6.64 | - | <0.00950 | <0.329 | $<0.170$ | $<0.00652$ |
| SB-19 | 1-2 | 9/26/2022 | 1.53 J | 154 | $<0.181$ | 10.4 | 9.89 | . | $<0.00968$ | 0.438 J | $<0.161$ | $<0.00587$ |
| SB-20 | $1-2$ | 9/26/2022 | ${ }^{3.33 \mathrm{~J}}$ | 98.0 | $<0.187$ | 11.3 | 21.5 | - | 0.0601 | ${ }^{0.557 ~ J}$ | $<0.166$ | ${ }^{0.0312 ~ J}$ |
|  | 2-3 | 9/26/2022 | . | $\cdot$ |  |  | 13.8 | - | - |  | - | - |
| REGULATORY STANDARDS |  |  |  |  |  |  |  |  |  |  |  |  |
| Texas-Specific Background Concentrations <br> (30 TAC §350.51(m)) <br> (30 TAC §350.51(m)) |  |  | 5.9 | 300 | - | 30 | 15 | - | 0.04 | 0.3 | - | -- |
|  |  |  | 5.0 | 440 | 1.5 | 2,400 | 3.0 | - | 2.1 | 2.3 | 0.48 | 11 |
| TCEQ TRRP Tier 3 Residential ${ }^{\text {GW }}$ Soil ${ }_{\text {lng }}$ PCLs |  |  | - | - | - | - | 40.9 | - | - | - | - | - |
|  |  |  | 24 | 8,100 | 52 | 33,000 | 500 | - | 8.3 | 310 | 97 | 1.1 |
| TCEQ TRRP Tier 1 Residential ${ }^{6 \mathrm{~W}} \mathrm{GW}_{\text {lng }}$ PCL |  |  | - | - | - | - | - | 0.015 | - | - | - | - |

Notes
"indiciaes not analyzed.

"mgkg" represents miligrams per k io
"mgh" repesents miligrans per liter.
"SWR" " repereststs Solid Wate Registation.
"TCEQ" represents Texas Commission on Envion
"TRRP" reperesents Texas Risk Reduction Progran
TRRP" "epresents Texas Risk (ec) mixtures with at least one sample with a concentration above the laboratory Sample Detection Limit (SDL) shown on this table
"" indicates the analye was not delected at or above the specified laboratory SDL.
J" indicates the detected concentration is an estimated value above the laboratory SDL but below the Method Ouantitaion Limit (MOL)





|  |  |  | ANIC Co |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 틍 응 흥 |  |  |  |  |  |  |  | $\begin{aligned} & \frac{0}{0} \\ & \frac{0}{2} \\ & \frac{5}{6} \\ & \frac{2}{5} \end{aligned}$ |  |  |
|  |  |  | $\begin{aligned} & \text { Method 8260C } \\ & \mathrm{moll} \end{aligned}$ <br> mg | $\begin{aligned} & \text { Method 8260C } \\ & \mathrm{mg} / \mathrm{l} \end{aligned}$ <br> mg/ | $\begin{gathered} \hline \text { Method 8260C } \\ \mathrm{mg} / \mathrm{L} \end{gathered}$ | Method 8260C | Method 8260C | $\begin{gathered} \text { Method 8260C } \\ \mathrm{mg} / \mathrm{L} \end{gathered}$ | $\begin{aligned} & \text { Methood 8260c } \\ & \text { mg/L } \\ & \hline \end{aligned}$ | Method 8260 C | $\begin{aligned} & \text { Method 82600 } \\ & \text { mgqL } \end{aligned}$ | $\begin{gathered} \text { Methoo } 82600 \\ \text { mghL } \\ \hline \end{gathered}$ | Method 8260 C <br> mgl | $\begin{gathered} \hline \text { Method 8260C } \\ \mathrm{mg} / \mathrm{L} \end{gathered}$ | $\begin{gathered} \text { Method 8260C } \\ \mathrm{mg} / \mathrm{L} \end{gathered}$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SB-1_GW | 07/1919 | ERM | $<0.0020$ | $<0.00020$ | $<0.00020$ | $<0.00020$ | <0.00020 | $<0.00020$ | $<0.00030$ | $<0.00030$ | $<0.00020$ | <0.00020 | $<0.00020$ | $<0.00050$ | $<0.00030$ |
| SB-2_6W | 07/19/19 | ERM | $<0.0020$ | 0.00055 J | $<0.00020$ | 0.0010 | 0.0024 | <0.00020 | 0.00044 J | 0.0037 | <0.00020 | <0.00020 | <0.00020 | 0.0019 J | 0.0019 |
| DUP-01 (SB-2_GW) | 07/19/19 | ERM | $<0.0020$ | 0.00054 J | $<0.00020$ | 0.0012 | 0.0032 | $<0.00020$ | 0.00035 J | 0.0035 | $<0.00020$ | $<0.00020$ | <0.00020 | $<0.00050$ | $<0.00030$ |
| SB-3_6W | 07/19/19 | ERM | $<0.0020$ | $<0.00020$ | 0.00047 J | 0.021 | 0.160 | $<0.00020$ | <0.00030 | <0.00030 | 0.0045 | 0.00089 J | 0.00071 J | $<0.00050$ | $<0.00030$ |
| SB-9_GW | 07/19/19 | ERM | $<0.0020$ | 0.00058 J | $<0.00020$ | 0.0026 | 0.0097 | 0.0025 | $<0.00030$ | $<0.00030$ | $<0.00020$ | <0.00020 | 0.0015 | $<0.00050$ | $<0.00030$ |
| SB-10_6W | 10/09/20 | ERM |  |  | - |  | 0.039 |  | - |  |  |  |  |  |  |
| SB-11_6W | 10/09/20 | ERM | - | - | - | - | 0.058 |  | - | - |  |  |  | - |  |
| SB-12_GW | 10/09/20 | ERM | - | - | - | - | 0.050 | . | - | - | - |  | - | - | . |
| SB-13_6W | 10/09/20 | ERM |  |  | . | . | 0.0085 |  | . | . |  |  |  |  |  |
| SB-14_GW | 10/09/20 | ERM | . | - | . | . | 0.017 |  | . | - | . | . | . | - |  |
| MONITORING WELLS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MW-1 | 09/11/20 | ERM |  |  |  |  | 0.0039 |  |  |  |  |  |  |  |  |
|  | 06/06/22 | SKA | $<0.0123$ | $<0.000214$ | $<0.000259$ | $<0.000244$ | 0.00776 | 0.00169 | <0.000515 |  | $<0.000571$ | ${ }^{<0.000424}$ | <0.000234 |  | $<0.000330$ |
|  | 09127/22 | SKA | $<0.00119$ | $<0.000533$ | <0.000643 | 0.00111 | 0.00657 | 0.00155 | <0.000411 | - | $<0.00139$ | $<0.000791$ | <0.000638 | . | $<0.00124$ |
|  | 12112122 | SKA | $<0.00119$ | $<0.000533$ | $<0.000643$ | $<0.000635$ | 0.00434 | 0.00110 | $<0.000411$ | - | $<0.00139$ | $<0.000791$ | <0.000638 | - | $<0.00124$ |
|  | $03 / 22123$ | SKA | 0.00737 J | $<0.000533$ | $<0.000643$ | $<0.000635$ | 0.00334 | 0.000881 J | <0.000411 | . | $<0.00139$ | $<0.000791$ | <0.000638 | . | $<0.00124$ |
| MW-2 | 02/12/21 | ERM |  |  |  |  | $<0.00020$ |  |  |  |  |  |  |  |  |
|  | 06/06/22 | SKA | $<0.0123$ | $<0.000214$ | $<0.000259$ | <0.000244 | $<0.000216$ | $<0.000174$ | <0.000515 | . | $<0.000571$ | $<0.000424$ | $<0.000234$ | . | $<0.000330$ |
|  | 09127/22 | SKA | $<0.00119$ | $<0.000533$ | $<0.000643$ | <0.000635 | <0.000738 | <0.000714 | <0.000411 | - | $<0.00139$ | $<0.000791$ | <0.000638 | - | $<0.00124$ |
|  | 12/12122 | SKA | $<0.00119$ | $<0.000533$ | $<0.000643$ | $<0.000635$ | <0.000738 | <0.000714 | $<0.000411$ | - | $<0.00139$ | $<0.000791$ | $<0.000638$ |  | $<0.00124$ |
|  | 03/22/23 | SKA | $<0.00119$ | $<0.000533$ | $<0.000643$ | $<0.000635$ | $<0.000738$ | $<0.007714$ | $<0.000411$ | - | $<0.00139$ | $<0.000791$ | $<0.000638$ | - | $<0.00124$ |
| MW-3 | 09/11/20 | ERM |  |  |  |  | 0.050 |  |  | . |  |  |  |  |  |
|  | 09/30120 | ERM | - | - | - | - | 0.049 | - | - | - | - | . | - | . | . |
|  | 01/29/21 | ERM |  |  | - |  | 0.029 |  | - | . |  |  | - | . |  |
|  | 06/06/22 | SKA | $<0.0123$ | $<0.000214$ | $<0.000259$ | 0.00526 | 0.0337 | $<0.000174$ | <0.000515 | . | 0.00621 | $<0.000424$ | $<0.000234$ | - | $<0.000330$ |
|  | 09127/22 | SKA | $<0.00119$ | $<0.000533$ | $<0.000643$ | 0.00477 | 0.0336 | $<0.000714$ | $<0.000411$ | . | 0.00793 | $<0.000791$ | <0.000638 | . | $<0.00124$ |
|  | 12/12122 | SKA | $<0.00119$ | $<0.000533$ | $<0.000643$ | 0.00307 | 0.0230 | $<0.00714$ | $<0.000411$ | - | 0.00671 | $<0.000791$ | <0.000638 | - | $<0.00124$ |
|  | 03/21/23 | SKA | $<0.00119$ | $<0.000533$ | $<0.000643$ | 0.00379 | 0.0272 | <0.000714 | $<0.000411$ | - | 0.00760 | $<0.000791$ | $<0.000638$ | - | $<0.00124$ |
| MW-4 | 01/29/21 | ERM |  |  |  |  | $<0.00020$ |  |  |  |  |  |  |  |  |
|  | 06/06/22 | SKA | $<0.0123$ | $<0.000214$ | $<0.000259$ | <0.000244 | <0.000216 | $<0.000174$ | <0.000515 | - | <0.000571 | <0.000424 | <0.000234 | . | $<0.000330$ |
|  | 09127/22 | SKA | $<0.00119$ | $<0.000533$ | $<0.000643$ | <0.000635 | <0.000738 | <0.000714 | <0.000411 | . | $<0.00139$ | <0.000791 | <0.000638 | . | $<0.00124$ |
|  | 12/13/22 | SKA | $<0.00119$ | $<0.000533$ | $<0.000643$ | $<0.000635$ | <0.000738 | $<0.000714$ | <0.000411 | - | $<0.00139$ | <0.000791 | <0.000638 | - | $<0.00124$ |
|  | $03122 / 23$ | SKA | $<0.00119$ | $<0.000533$ | $<0.000643$ | $<0.000635$ | $<0.000738$ | <0.000714 | $<0.000411$ | - | $<0.00139$ | $<0.000791$ | <0.000638 | . | $<0.00124$ |
| MW-5 | 01/29/21 | ERM |  |  |  |  | $<0.00020$ |  |  | - |  |  |  | - |  |
|  | 061/06/22 | SKA | $<0.0123$ | ${ }^{20.000214}$ | $<0.000259$ | <0.000244 | ${ }^{<0.000216}$ | <0.000174 | ${ }^{<0.000515}$ | . | ${ }^{<0.000571}$ | ${ }^{<0.000424}$ | <0.000234 | . | ${ }^{20.000330}$ |
|  | 09127/22 | SKA | $<0.00119$ | $<0.000533$ | $<0.000643$ | $<0.000635$ | <0.000738 | $<0.000714$ | <0.000411 | - | $<0.00139$ | <0.000791 | <0.000638 | - | $<0.00124$ |
|  | 12/12122 | SKA | $<0.00119$ | $<0.000533$ | $<0.000643$ | <0.000635 | $<0.000738$ | $<0.000714$ | <0.000411 | - | $<0.00139$ | $<0.000791$ | <0.000638 | - | $<0.00124$ |
|  | 03/21/23 | SKA | $<0.00119$ | $<0.000533$ | $<0.000643$ | $<0.000635$ | ${ }^{<0.000738}$ | $<0.000714$ | ${ }^{<0.000411}$ |  | $<0.00139$ | <0.000791 | <0.000638 | . | <0.00124 |
| MW-6 | 01/29/21 | ERM |  |  |  |  | 0.082 |  |  |  |  |  |  | . |  |
|  | 06/06/22 | SKA | $<0.0123$ | $<0.000214$ | 0.000399 J | 0.0147 | 0.0893 | $<0.000174$ | <0.000515 | - | $<0.000571$ | 0.00125 J | <0.000234 | - | $<0.000330$ |
|  | 09/27/22 | SKA | $<0.00119$ | $<0.000533$ | $<0.000643$ | 0.0168 | 0.103 | $<0.000714$ | <0.000411 | - | $<0.00139$ | 0.00121 J | <0.000638 | - | $<0.00124$ |
|  | 12/12122 | SKA | $<0.00119$ | <0.000533 | <0.000643 | 0.00907 | 0.0511 | <0.000714 | $<0.000411$ | - | <0.00139 | ${ }^{<0.000791}$ | <0.000638 | - | <0.00124 |
|  | 03/21/23 | SKA | $<0.00119$ | $<0.000533$ | $<0.000643$ | 0.0120 | 0.0607 | <0.000714 | $<0.000411$ | - | $<0.00139$ | 0.000819 J | <0.000638 | - | $<0.00124$ |
| MW-7 | 09/28/22 | SKA | $<0.00119$ | $<0.000533$ | $<0.000643$ | $<0.000635$ | 0.00351 | $<0.00714$ | $<0.000411$ | - | $<0.00139$ | $<0.000791$ | <0.000638 | . | $<0.00124$ |
|  | $12 / 13122$ | SKA | $<0.00119$ | ${ }^{<0.0005333}$ | <0.000643 | <0.000635 | 0.00239 | <0.000714 | $<0.000411$ | - | <0.00139 | <0.000791 | ${ }^{<0.0000638}$ | - | <0.00124 |
|  | $03 / 22123$ | SKA | $<0.00119$ | $<0.000533$ | $<0.000643$ | $<0.000635$ | 0.00276 | $<0.000714$ | $<0.000411$ |  | $<0.00139$ | $<0.000791$ | <0.000638 |  | <0.00124 |

# SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - VOCs 

CITY OF HOUSTON MUNICIPAL SETTING DESIGNATION APPLICATION
$\pm 5.745-A C R E$ COMMERCIAL PROPERTY
3511 WEST 12TH STREET
HOUSTON, HARRIS COUNTY, TEXAS 77008
IHW SWR NO. 38591

|  |  |  | VOLATLLE ORGANIC COMPOUNDS (VOCs) |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | $\begin{gathered} \text { Method 8260C } \\ \mathrm{mg} / \mathrm{L} \\ \hline \end{gathered}$ | $\begin{gathered} \text { Method } 8260 \mathrm{C} \\ \mathrm{mg} / \mathrm{L} \\ \hline \hline \end{gathered}$ | $\begin{gathered} \text { Method 8260C } \\ \mathrm{mg} / \mathrm{L} \\ \hline \hline \end{gathered}$ | $\begin{gathered} \hline \text { Method 8260C } \\ \mathrm{mg} / \mathrm{L} \\ \hline \hline \end{gathered}$ | $\begin{gathered} \hline \text { Method 8260C } \\ \mathrm{mg} / \mathrm{L} \\ \hline \hline \end{gathered}$ | $\begin{gathered} \text { Method 8260C } \\ \mathrm{mg} / \mathrm{L} \\ \hline \hline \end{gathered}$ | $\begin{gathered} \hline \text { Method 8260C } \\ \mathrm{mg} / \mathrm{L} \\ \hline \hline \end{gathered}$ | $\begin{gathered} \hline \text { Method 8260C } \\ \mathrm{mg} / \mathrm{L} \\ \hline \hline \end{gathered}$ | $\begin{gathered} \text { Method 8260C } \\ \mathrm{mg} / \mathrm{L} \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { Method 8260C } \\ \mathrm{mg} / \mathrm{L} \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { Method 8260C } \\ \mathrm{mg} / \mathrm{L} \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { Method 8260C } \\ \mathrm{mg} / \mathrm{L} \\ \hline \hline \end{gathered}$ | $\begin{gathered} \hline \text { Method 8260C } \\ \mathrm{mg} / \mathrm{L} \\ \hline \hline \end{gathered}$ |
| REGULATOR S STANDARDS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TCEQ TRRP Tier 1 Residential ${ }^{\text {GW }}{ }^{\text {GW }}$ Ing PCLs |  |  | 22 | 0.0050 | 0.24 | 4.9 | 0.0070 | 0.070 | 0.70 | 120 | 0.24 | 0.0050 | 0.0020 | 10 | 10 |
| $\begin{gathered} \text { TCEQ TRRP Tier 1 } \\ \text { Residential Air } \text { GW }_{\text {Inh-v VCL }} \\ (0.5 \text {-Acre Source Area) } \end{gathered}$ |  |  | 1,000,000 | 180 | 20 | 43,000 | 1,700 | 1,200 | 30,000 | 1,400 | 4,000 | 24 | 3.8 | 9,400 | 10,000 |
| UW-3 - OFF-SITE MONITORING WELLS - FORM ER AIR LIQUUDE PROPERTY (3602 WEST 12TH STREET, VCP NO. 2721) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\frac{\text { MWW-3 }}{}$ | 093/17715 | $\frac{\text { Matrix }}{\text { Matrix }}$ |  | $\cdots$ | - | $\cdots$ | ${ }_{\text {< }}^{\text {<0.00796 }}$ | $\cdots$ | $\cdots$ | $\cdots$ | $\cdots$ | $\cdots$ | $\cdots$ | $\cdots$ |  |
| MW-8 | 09/25/15 | Matrix | $\cdots$ | $\cdots$ | - | -- | 0.000926 J | -- | -- | $\cdots$ | -- | $\cdots$ | - | - | -- |
| MW-9 | 09/25/15 | Matrix | -- | -- | - | - | $<0.000398$ | - | - | - | -- | - | - | $\cdots$ | - |
| MW-23 | 10101/15 | Matrix |  |  |  |  | <0.000398 |  |  |  |  |  |  |  |  |
| OFF-SITE TEMPORARY MONITORING WELL - +9.55-ACRE COMMERCIAL PROPERTY (3480 \& 3484 WEST 11TH STREET, IHW SWR NO. 82425) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TMW-3 | $06 / 13117$ | SKA | $\cdots$ | -- | - | $\cdots$ | ${ }_{\text {0.000178 }}$ | $\cdots$ | $\cdots$ | $\cdots$ | $\cdots$ | $\cdots$ | - | $\cdots$ | $\cdots$ |
| REGULATORY STANDARDS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TCEQ TRRP Tier 1 Residential ${ }^{\text {GW }}{ }^{\text {GW }}$ Ing PCLs |  |  | 22 | 0.0050 | 0.24 | 4.9 | 0.0070 | 0.070 | 0.70 | 120 | 0.24 | 0.0050 | 0.0020 | 10 | 10 |
| TCEQ TRRP Tier 1Residential Air $G W_{\text {mp.-. }}$ PCLs(0.5-Acre Source Area) |  |  | 1,000,000 | 180 | 20 | 43,000 | 1,700 | 1,200 | 30,000 | 1,400 | 4,000 | 24 | 3.8 | 9,400 | 10,000 |

Notes:
"-"
"mg/L" represents milligrams per itier.
"HW" represents Industrial Hazardous Wasie
"SWR" represents Solid Waste Registratic
Environmental Quality.
duction Program
" <" indicates the analyte was not detected at or above the specified laboratory SDL.
Concentrations in bold were detected at or above the laboratory SD.
" C " indicates the detected concentration is an estimated value above the SDL but below the Method Quantitation Limit (MQL)
TCEQ TRRP Tier 1 Residential Groundwater Protective Concentration Levels (PCLs) ( 30 Texas Administrative Code [TAC] 5350 , Table 3 : Tier 1 Groundwater PCLs - Residential and Commercial/lndustrial, dated May 10, 2023).
tABLE G. 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - SVOCS CITY OF HOUSTON MUNICIPAL SETTING DESIGNATION APPLICATION
$\pm 5.745-A C R E$ COMMERCIAL PROPERTY
3511 WEST 12TH STREET
HOUSTON, HARRIS COUNTY, TEXAS 77008
IHW SWR NO. 38591


Notes:
$-{ }^{-1}$ indicates not applicable
"mg/L" represents milligrams per liter.
"SWR" represenesents in Solid Waste Recisistration.
"TCEQ" represents Texas Commission on Environmental Qualiy
"TRRP" represents Texas Risk Reduction Program.
Only Svoc analytes with at least one sample with
Only SVOC analytes with at least one sample with a concentration above the laboratory Sample Detection Limit (SDL) shown on this table.
<" indicates the analyte was not detected at or above the specified laboratory SDL.
J i indicates the detected concentration is an estimated
Concentrations highighted yellow exceed the applicable Residential Assessment LLevel (RA) below the Method Quantita

table g. 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - TPH CITY OF HOUSTON MUNICIPAL SETTING DESIGNATION APPLICATION
$\pm 5.745-A C R E$ COMMERCIAL PROPERTY
3511 WEST 12TH STREET
HOUSTON, HARRIS COUNTY, TEXAS 7700
IHW SWR NO. 38591

|  |  | $\begin{aligned} & \text { 高 } \\ & \text { 镸 } \end{aligned}$ | TOTAL PETROLEUM HYDROCARBONS (TPH) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\begin{aligned} & \tilde{0} \\ & \stackrel{0}{0} \\ & \stackrel{\circ}{\circ} \end{aligned}$ |  |  | ㄷ.000 |
|  |  |  | $\begin{gathered} \text { TX Method } 1005 \\ \text { mgg } \\ \hline \hline \end{gathered}$ | $\begin{gathered} \text { TX Method } 1005 \\ \mathrm{mg} / \mathrm{L} \end{gathered}$ | $\begin{gathered} \hline \text { TX Method } 1005 \\ \mathrm{mg} / \mathrm{L} \\ \hline \hline \end{gathered}$ | $\begin{aligned} & \text { TX Method } 1005 \\ & \text { mgl } \\ & \hline \end{aligned}$ |
| PERMANENT MONITORING WELLS |  |  |  |  |  |  |
| MW-1 | 06/06/22 | SKA | <0.851 | $<0.830$ | $<0.830$ | $<0.851$ |
|  | 09/27/22 | SKA | $<0.840$ | $<0.819$ | $<0.819$ | $<0.840$ |
|  | 12/12/22 | SKA | $<0.765$ | $<0.746$ | $<0.746$ | $<0.765$ |
|  | 03/22/23 | SKA | $<0.830$ | $<0.809$ | $<0.809$ | <0.830 |
| MW-2 | 06/06/22 | SKA | $<0.846$ | $<0.825$ | $<0.825$ | $<0.846$ |
|  | 09/27/22 | SKA | $<0.958$ | $<0.935$ | $<0.935$ | $<0.958$ |
|  | 12/12/22 | SKA | $<0.843$ | $<0.822$ | $<0.822$ | $<0.843$ |
|  | 03/22/23 | SKA | $<0.846$ | $<0.825$ | $<0.825$ | $<0.846$ |
| MW-3 | 06/06/22 | SKA | $<0.851$ | $<0.830$ | $<0.830$ | $<0.851$ |
|  | 09/27/22 | SKA | $<0.900$ | $<0.878$ | $<0.878$ | $<0.900$ |
|  | 12/12/22 | SKA | $<0.827$ | $<0.807$ | $<0.807$ | $<0.827$ |
|  | 03/21/23 | SKA | $<0.897$ | $<0.875$ | $<0.875$ | $<0.897$ |
| MW-4 | 06/06/22 | SKA | $<0.846$ | $<0.825$ | $<0.825$ | $<0.846$ |
|  | 09/27/22 | SKA | $<0.848$ | $<0.827$ | <0.827 | <0.848 |
|  | 12/13/22 | SKA | $<0.835$ | $<0.814$ | $<0.814$ | $<0.835$ |
|  | 03/22/23 | SKA | $<0.840$ | $<0.819$ | $<0.819$ | $<0.840$ |
| MW-5 | 06/06/22 | SKA | $<0.835$ | $<0.814$ | <0.814 | $<0.835$ |
|  | 09/27/22 | SKA | $<0.859$ | $<0.838$ | $<0.838$ | $<0.859$ |
|  | 12/12/22 | SKA | $<0.790$ | $<0.771$ | $<0.771$ | $<0.790$ |
|  | 03/21/23 | SKA | $<0.876$ | $<0.854$ | <0.854 | $<0.876$ |
| MW-6 | 06/06/22 | SKA | $<0.835$ | <0.814 | $<0.814$ | $<0.835$ |
|  | 09/27/22 | SKA | $<0.916$ | $<0.893$ | $<0.893$ | $<0.916$ |
|  | 12/12/22 | SKA | $<0.854$ | $<0.832$ | $<0.832$ | $<0.854$ |
|  | 03/21/23 | SKA | $<0.795$ | $<0.775$ | $<0.775$ | $<0.795$ |
| Mw-7 | 09/28/22 | SKA | $<0.843$ | $<0.822$ | $<0.822$ | $<0.843$ |
|  | 12/13/22 | SKA | $<0.846$ | $<0.825$ | $<0.825$ | $<0.846$ |
|  | 03/22/23 | SKA | $<0.835$ | $<0.814$ | $<0.814$ | $<0.835$ |
| REGULATORY STANDARDS |  |  |  |  |  |  |
| TCEO TRRP Tier 1 Residential ${ }^{\text {6w }}$ GW $_{\text {Ing }}$ PCLs |  |  | 0.98 | 0.98 | 0.98 | 0.98 |
| $\begin{gathered} \text { TCEQ TRRP Tier 1 } \\ \text { Residential Air }{ }^{\text {Al }} \text { mh-v- PCLS } \\ \text { (0.5-Acre Source Area) } \end{gathered}$ |  |  | 1,800 | 7,500 | 7,500 | 7,500 |

## Notes:

"mg/L" represents milligrams per iter
"HW" represents Industrial Hazardous Waste
"SWR" represents Solid Waste Registration.
IEQ TRRP Tier anayte was not detected at or above the specified laboratory Sample Detection Limit (SDL)
Groundwar Tier 1 Residential Groundwater Protective Concentration Levels (PCLs) (30 Texas Administrative Code [TAC] $\S 350$, Table 3: Tier 1
Groundwater PCLs - Residential and Commercial/Industrial, dated May 10,2023 .

TABLE G. 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - LEAD CITY OF HOUSTON MUNICIPAL SETTING DESIGNATION APPLICATION $\pm 5.745$-ACRE COMMERCIAL PROPERTY

3511 WEST 12TH STREET
HOUSTON, HARRIS COUNTY, TEXAS 77008
IHW SWR NO. 38591

|  |  |  | LEAD |
| :---: | :---: | :---: | :---: |
|  |  |  | º |
|  |  |  | Method 6020A mg/L |
| PERMANENT MONITORING WELL(ENVIRONMENTAL RESOURCES MANAGEMENT, INC. [ERM]) |  |  |  |
| MW-2 | 09/11/20 | ERM | <0.000600 |
| REGULATORY STANDARDS |  |  |  |
| TCEQ TRRP Tier 1 Residential ${ }^{\text {GW }}$ GW ${ }_{\text {Ing }}$ PCLs |  |  | 0.015 |
| TCEQ TRRP Tier 1 Residential ${ }^{\text {Air }}$ GW $_{\text {Inh-v }}$ PCLs (0.5-Acre Source Area) |  |  | -- |

## Notes:

"--" represents not applicable.
"mg/L" represents milligrams per liter.
"IHW" represents Industrial Hazardous Waste
"SWR" represents Solid Waste Registration.
"TCEQ" represents Texas Commission on Environmental Quality.
"TRRP" represents Texas Risk Reduction Program.
"<" indicates the analyte was not detected at or above the specified laboratory Sample Detection Limit (SDL).
TCEQ TRRP Tier 1 Residential Groundwater Protective Concentration Levels (PCLs) ( 30 Texas
Administrative Code [TAC] §350, Table 3: Tier 1 Groundwater PCLs - Residential and
Commercial/Industrial, dated May 10, 2023).

TABLE G. 3
GROUNDWATER GEOTECHNICAL PARAMETERS - pH \& TEMPERATURE CITY OF HOUSTON MUNICIPAL SETTING DESIGNATION APPLICATION $\pm 5.745$-ACRE COMMERCIAL PROPERTY

3511 WEST 12TH STREET HOUSTON, HARRIS COUNTY, TEXAS 77008 IHW SWR NO. 38591

| Monitoring Well | Sample Date | Average $\mathbf{p H}$ | $\begin{array}{c}\text { Average Temperature } \\ \text { (}\end{array}$ |
| :---: | :---: | :---: | :---: |
|  |  |  |  |$)$

## Notes:

" ${ }^{\circ} \mathrm{C}$ " represents degrees Celsius.
"IHW" represents Industrial Hazardous Waste "SWR" represents Solid Waste Registration.

## Appendix H - Contamination Exceedance Without MSD

The RALs for COCs in soil are generally the TRRP Tier 1 or (calculated, site-specific) Tier 2 Residential ${ }^{\text {GW }}$ Soil ${ }_{\text {ng }}$ PCLs for a 0.5 -acre sources area unless a TRRP Tier 2 Residential ${ }^{\text {GW Soil }}$ Ing PCL was calculated and is greater than its applicable TRRP Tier 1 Residential ${ }^{\text {Tot Soil }}$ comb PCL for a 0.5 -acre source area. As such, the lower (i.e., more conservative) TRRP Tier 1 Residential PCL for a 0.5 -acre source area is considered the RAL. The RALs for COCs in groundwater are the TRRP Tier 1 Residential ${ }^{G W} G W_{\text {Ing }}$ PCLs.

Based on soil and groundwater assessment activities conducted to date for the designated property, exceedances of the applicable RALs without an MSD are limited to the following:

- Uppermost GWBU: 1,1-DCE

