EXECUTIVE SUMMARY

The National Flame & Forge Tract (the Site; designated property) consists of a 3.646-acre tract of vacant land located at 349 West 24th Street in Houston, Harris County, Texas. The Site is the former location of a machining and forging facility known as National Flame & Forge (NF&F), which was decommissioned and subsequently demolished in 2010. Since 2010, the Site has remained as vacant land. Properties within 500 feet of the boundary of the designated property are developed primarily for single-family residential use with some mixed scattered commercial development. For the purposes of this application, the MSD designated property will include the NF&F tract and additional 2.3112 acres of land consisting of portions of the street right of way along West 24th Street, West 25th Street, and Ashland Avenue. The MSD will apply to a total of 5.9572 acres of land.

The Site, is registered with the Texas Commission on Environmental Quality's (TCEQ) Voluntary Cleanup Program (VCP) as VCP Site No. 2391. Enrollment of the Site into the VCP was the result of the discovery of environmental media affected with hydrocarbons, solvents, and metals. Environmental assessment activities conducted to date have been completed in general accordance with the Texas Risk Reduction Program (TRRP) as specified within 30 Texas Administrative Code (TAC) §350. Assessment activities conducted at the designated property have identified former machining operations, former forging operations, and historic chrome plating operations as the historical sources of the environmental media affected at the Site.

Based on the assessment activities conducted to date, the upper groundwater-bearing unit (GWBU) at the designated property has been affected by chemicals of concern (COCs) which include chromium (Cr) and trichloroethylene (TCE) exceeding residential assessment levels (RALs), as defined by the TCEQ's TRRP Protective Concentration Levels (PCLs), also referred to as ingestion PCLs (Tier 1 ${}^{GW}GW_{Ing}$ PCLs; iPCLs). The COC concentrations in groundwater at the Site do not exceed their respective TRRP Tier 1 Residential PCLs for air inhalation (${}^{Air}GW_{Inh\text{-}V}$) or any other applicable non-iPCLs. The affected groundwater has been horizontally delineated using a network of sixteen (16) permanent monitor wells and sixteen (16) temporary monitor wells (TMWs). The groundwater contaminant plume extends to one off-site property located to the adjacent southwest of the Site. Results of groundwater monitoring completed over the past ten (10) sampling events has shown that the plume is stable. The evaluation of plume stability has been completed using Mann-Kendall trend analysis, which is designed to determine statistically significant trends. Groundwater gradient of the affected GWBU at the designated property has generally been to the west-southwest throughout the majority of groundwater monitoring and sampling events, but has shown some seasonal fluctuation.

Soil within the boundaries of the designated property has been affected by arsenic, barium, chromium, lead, mercury, and total petroleum hydrocarbons (TPH) at concentrations which exceed their respective TRRP Tier 1 RAL Residential PCLs. Following the completion of soil

response actions (targeted soil excavations that have been completed), surface soils at the Site do not exceed their respective TRRP Tier 1 Residential non-iPCLs for air inhalation ($^{Air}Soil_{Inh\text{-}V}$) or direct contact ($^{Tot}Soil_{Comb}$).

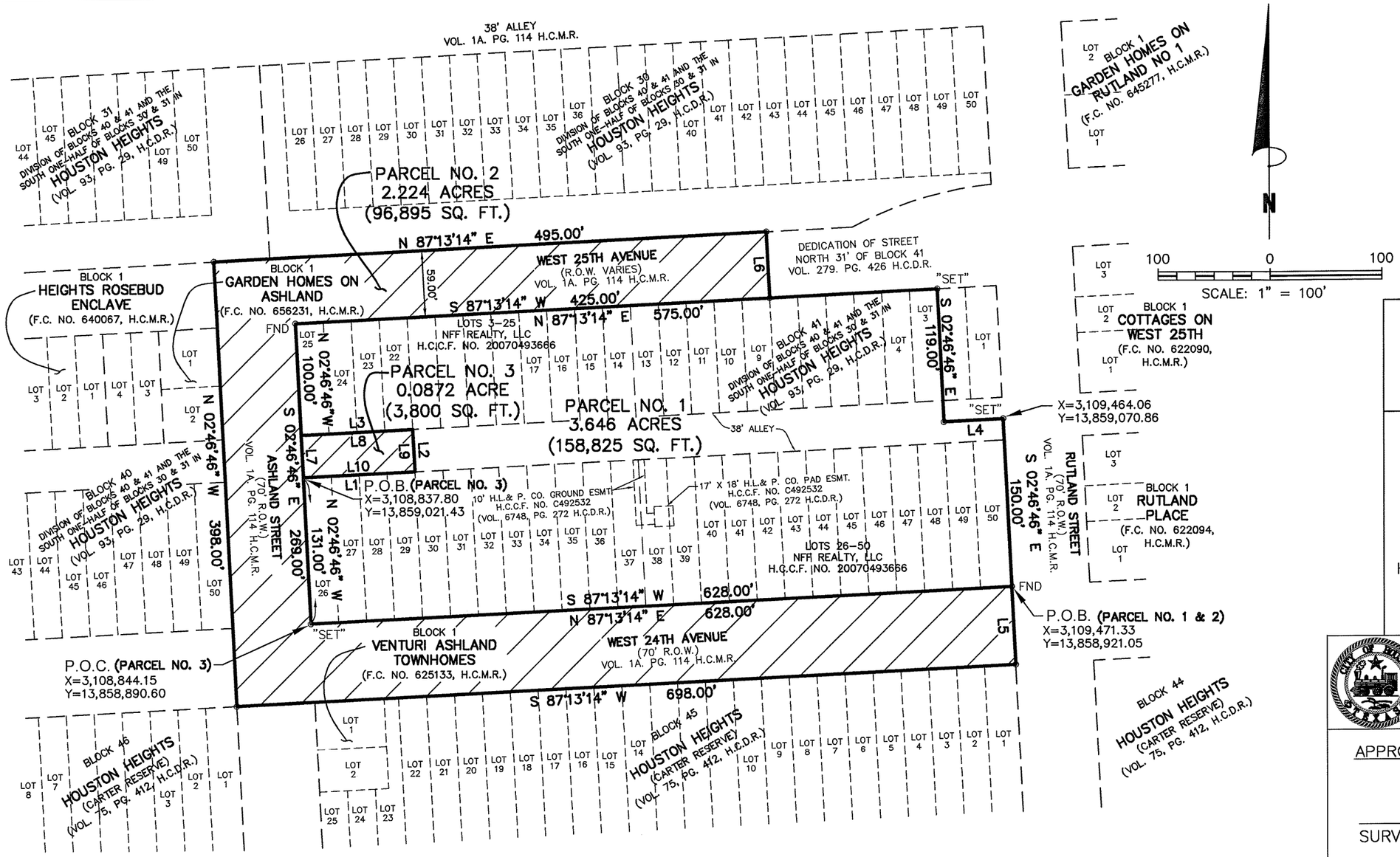
A Municipal Setting Designation (MSD) would restrict access to the affected groundwater and effectively eliminate the $^{GW}GW_{Ing}$ and $^{GW}Soil_{Ing}$ exposure pathways (ingestion pathways, potable pathways) from consideration. With an MSD, COCs will not exceed applicable residential PCLs (MSD adjusted critical PCLs) at the Site. Additionally, with the completion of soil response actions, COCs do not exceed any non-iPCLs ($^{Tot}Soil_{Comb}$ for soil, $^{Air}Soil_{Inh\text{-}V}$ for soil; and $^{Air}GW_{Inh\text{-}V}$ for groundwater) at the Site.

The City of Houston (COH) is the only municipality within one-half mile of the Site. Other than the City of Houston, Nitsch & Sons Utility and Country Living Apartments are the only other public water systems located within five miles of the Site that operate groundwater supply wells meeting the definition of a retail public utility (RPU), as defined in Section 13.022 of Texas Water Code. According to the water well search, generated by a review of records from Texas Water Development Board (TWDB), TCEQ and Harris-Galveston Subsidence District (HGSD) records, there are reportedly 1,091 registered or permitted water wells located within a five (5) mile radius of the boundary of the Site. The COH provides municipal drinking water to the Site, as well as properties within one-half mile of the boundary of the Site.

Through implementation of a MSD, an ordinance will prohibit the use of shallow groundwater for ingestion at the designated property, thus removing the groundwater ingestion exposure pathway. Upon passage of the MSD ordinance by the City of Houston and subsequent certification by the TCEQ, the Applicant plans to obtain regulatory closure of the Site through a VCP Certificate of Completion utilizing the MSD.

APPENDIX A

A legal description of the boundaries of the designated property, including metes and bounds, and copy of the deed for the property.



NOTES:

1. THERE IS A SEPARATE METES AND BOUNDS DESCRIPTION OF THIS EASEMENT.

2. CORNERS HAVE NOT BEEN STAKED, UNLESS NOTED OTHERWISE.

3. BEARINGS REFERENCED TO THE TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (NAD83), COORDINATES REFERENCED HEREON ARE GRID AND MAY BE CONVERTED TO SURFACE BY APPLYING THE COMBINED SCALE FACTOR OF 0.999870017.

AN EXHIBIT OF
THREE (3) PARCELS
JOHN AUSTIN SURVEY, A-1
CITY OF HOUSTON, HARRIS COUNTY, TEXAS

TERRA
SURVEYING CO., INC.
3000 WILCREST DRIVE
SUITE 210
HOUSTON, TEXAS 77042
(713) 993-0327
FAX (713) 993-9231

KEY MAP:	452 V
FIELD BOOK:	
SCALE:	1" = 100'
JOB NO.	1617-1447-S
DATE:	SEPTEMBER 23, 2015
DRAWN BY:	TSC
CHECKED BY:	
DWG. NO.	

CITY OF HOUSTON
PUBLIC WORKS AND
ENGINEERING DEPARTMENT

APPROVAL

DATE

SURVEY SECTION

RIGHT OF WAY SECTION

KEY MAP No. 452 V	GIMS MAP No. 5359a
PARCEL NO.	
JOB NO.	
WBS NO.	
C.M. NO.	

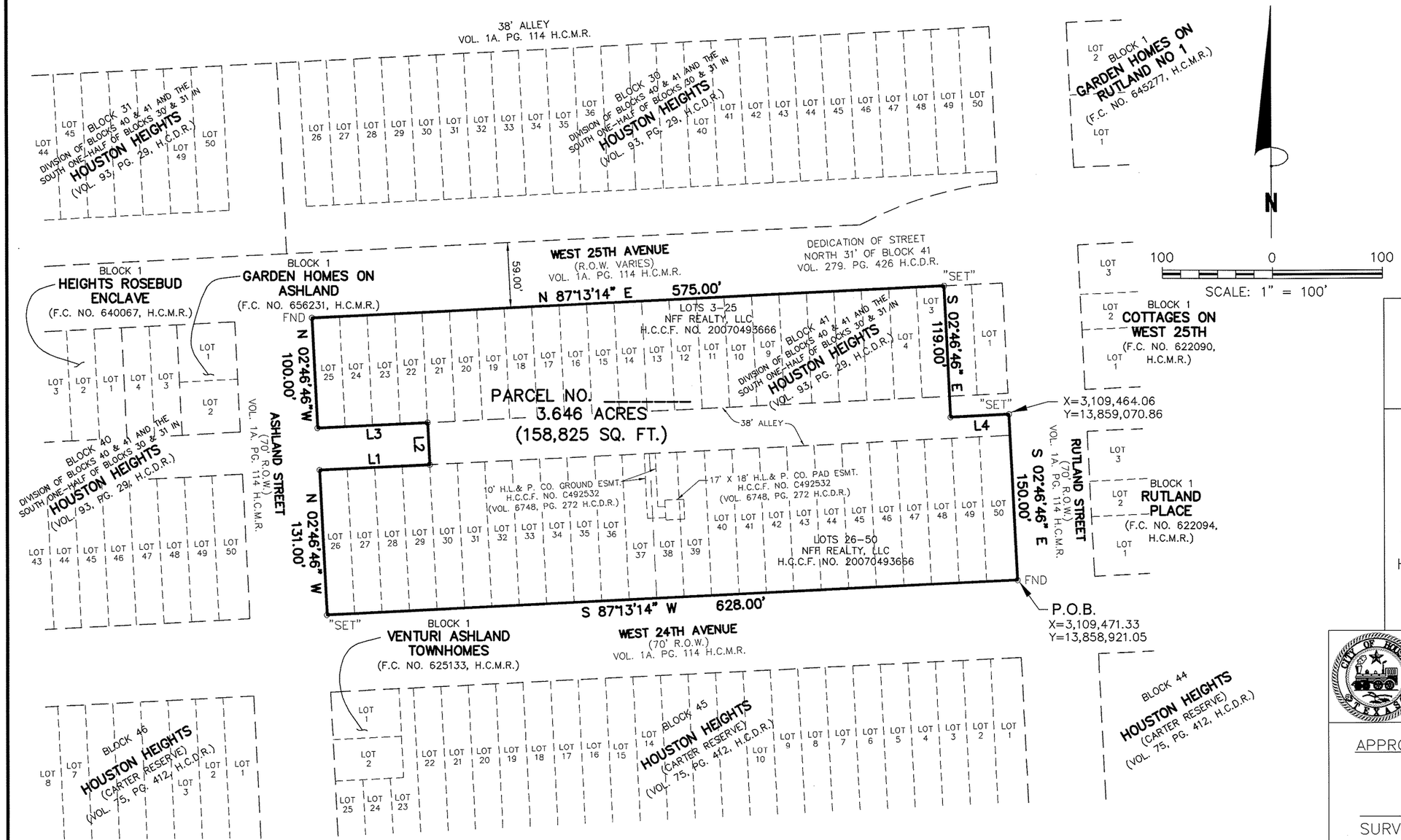
ABBREVIATIONS LEGEND:

ESMT	EASEMENT
F.C.	FILM CODE
FND	FOUND 5/8" IR
H.C.C.F.	HARRIS COUNTY CLERK'S FILE
H.C.D.R.	HARRIS COUNTY DEED RECORDS
H.C.M.R.	HARRIS COUNTY MAP RECORDS
IR	IRON ROD
NO.	NUMBER
PG	PAGE
P.O.B.	POINT OF BEGINNING
P.O.C.	POINT OF COMMENCING
R.O.W.	RIGHT-OF-WAY
"SET"	SET 5/8" IR W/TERRA CAP
VOL.	VOLUME
W/	WITH

LINE TABLE

LINE	BEARING	DISTANCE
L1	N 87°13'14" E	100.00'
L2	N 02°46'46" W	38.00'
L3	S 87°13'14" W	100.00'
L4	N 87°13'14" E	53.00'
L5	S 02°46'46" E	70.00'
L6	S 02°46'46" E	59.00'
L7	N 02°46'46" W	38.00'
L8	N 87°13'14" E	100.00'
L9	S 02°46'46" E	38.00'
L10	S 87°13'14" W	100.00'

STATE OF TEXAS
REGISTERED
GEORGE COLLISON
4461
PROFESSIONAL
LAND SURVEYOR



NOTES:

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3. BEARINGS REFERENCED TO THE TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (NAD83), COORDINATES REFERENCED HEREON ARE GRID AND MAY BE CONVERTED TO SURFACE BY APPLYING THE COMBINED SCALE FACTOR OF 0.999870017.

AN EXHIBIT OF
3.646 ACRES (158,825 SQ. FT.)
JOHN AUSTIN SURVEY, A-1
CITY OF HOUSTON, HARRIS COUNTY, TEXAS

TERRA
SURVEYING CO., INC.
3000 WILCREST DRIVE
SUITE 210
HOUSTON, TEXAS 77042
(713) 993-0327
FAX (713) 993-9231

KEY MAP:	452 V
FIELD BOOK:	
SCALE:	1" = 100'
JOB NO.	1617-1447-S
DATE:	SEPTEMBER 18, 2015
DRAWN BY:	TSC
CHECKED BY:	GC
DWG. NO.	

CITY OF HOUSTON
PUBLIC WORKS AND
ENGINEERING DEPARTMENT

APPROVAL

DATE

SURVEY SECTION

RIGHT OF WAY SECTION

KEY MAP No. 452 V	GIMS MAP No. 5359a
PARCEL NO.	
JOB NO.	
WBS NO.	
C.M. NO.	

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R.O.W.	RIGHT-OF-WAY
"SET"	SET 5/8" IR W/TERRA CAP
VOL.	VOLUME
W/	WITH

LINE TABLE

LINE	BEARING	DISTANCE
L1	N 87°13'14" E	100.00'
L2	N 02°46'46" W	38.00'
L3	S 87°13'14" W	100.00'
L4	N 87°13'14" E	53.00'

STATE OF TEXAS
REGISTERED
GEORGE COLLISON
4461
PROFESSIONAL
LAND SURVEYOR

TERRA
SURVEYING
COMPANY, INC.

3000 Wilcrest Drive, Suite 210 - Houston, Texas 77042 – (713) 993-0327 – FAX (713) 993-9231

METES AND BOUNDS DESCRIPTION
3.646 ACRES (158,825 SQUARE FEET)
PARCEL NUMBER _____
JOHN AUSTIN SURVEY, ABSTRACT NUMBER 1
CITY OF HOUSTON, HARRIS COUNTY, TEXAS

Being a tract or parcel containing 3.646 acres (158,825 square feet) of land, situated in the John Austin Survey, Abstract Number 1, City of Houston, Harris County, Texas; being all of Lots 3-50 and a portion of a 38-foot alley in Block 41, Division of Block 40 & 41 and the South One-Half of Blocks 30 & 31 in HOUSTON HEIGHTS, a subdivision plat of record in Volume 93, Page 29, Harris County Deed Records; said Lots 3-50 recorded in the name of NFF Realty, LLC under Harris County Clerk's File Number 20070493666; the herein described 3.646 acre tract being more particularly described by metes and bounds as follows (bearings herein are grid bearings based on the Texas State Plane Coordinate System, South Central Zone, NAD 83 (NA2011); distances are surface distances based on the U.S. Survey Foot and may be converted to grid by multiplying by a combined scale factor of 0.999870017):

BEGINNING at a found 1" x 1" iron bar (X=3,109,471.33, Y=13,858,921.05), marking the intersection of the west right-of-way (R.O.W.) line of Rutland Street (70 feet wide) and the north R.O.W. line of West 24TH Avenue (70 feet wide), both rights-of-way dedicated by HOUSTON HEIGHTS ADDITION, a subdivision plat of record in Volume 1A, Page 114, Harris County Map Records, also marking the southeast corner of said Block 41 and the southeast corner of the herein described tract, said iron bar being South 02°46'46" East, a distance of 150.00 feet from a 5/8-inch iron rod with plastic cap stamped "TERRA SURVEYING", set (X=3,109,464.06, Y=13,859,070.86);

THENCE, South 87°13'14" West, along the north R.O.W. line of said West 24TH Avenue and the south line of said Block 41, a distance of 628.00 feet to a 5/8-inch iron rod with plastic cap stamped "TERRA SURVEYING", set marking the intersection of the east R.O.W. line of Ashland Street (70 feet wide) of said Houston Heights Addition and the north R.O.W. line of said West 24TH Avenue, also marking the southwest corner of said Block 41 and the southwest corner of the herein described tract;

THENCE, North 02°46'46" West, along the east R.O.W. line of said Ashland Street and the west line of said Block 41, a distance of 131.00 feet to an angle point of the herein described tract;

THENCE, over and across said Block 41, the following three (3) courses and distances:

> North 87°13'14" East, along the south line of the aforesaid 38-foot alley, a distance of 100.00 feet to an angle point of the herein described tract;

North 02°46'46" West, over and across said 38-foot alley, a distance of 38.00 feet to an angle point of the herein described tract;

South 87°13'14" West, along the north line of said 38-foot alley, a distance of 100.00 feet to a point in the east R.O.W. line of said Ashland Street and the west line of said Block 41 and for an angle point of the herein described tract;

THENCE, North 02°46'46" West, along the east R.O.W. line of said Ashland Street and the west line of said Block 41, a distance of 100.00 feet to a found 5/8-inch iron rod marking the intersection of the south R.O.W. line of West 25TH Avenue (R.O.W. varies) of said Houston Heights Addition and the east R.O.W. line of said Ashland Street, also marking the northwest corner of said Block 41 and the northwest corner of the herein described tract;

THENCE, North 87°13'14" East, along the south R.O.W. line of said West 25TH Avenue and the north line of said Block 41, a distance of 575.00 feet a 5/8-inch iron rod with plastic cap stamped "TERRA SURVEYING", set marking the northeast corner of the herein described tract;

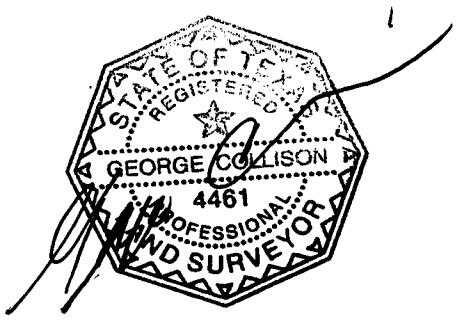
THENCE, South 02°46'46" East, over and across said Block 41, a distance of 119.00 feet to a point in the centerline of the aforesaid 38-foot alley for an angle point of the herein described tract;

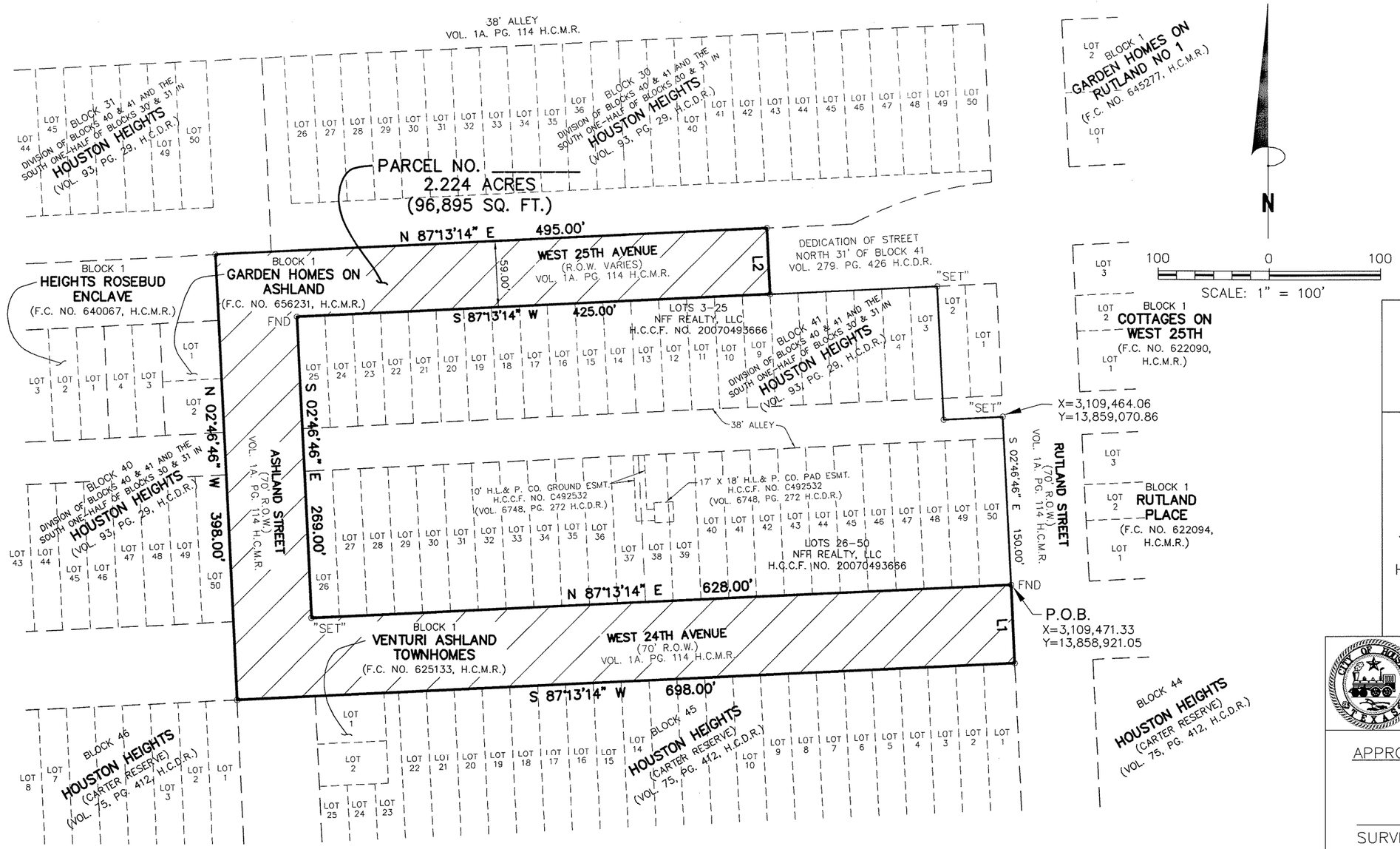
THENCE, North 87°13'14" East, along the centerline of said 38-foot alley, a distance of 53.00 feet a 5/8-inch iron rod with plastic cap stamped "TERRA SURVEYING", set in the west R.O.W. line of the aforesaid Rutland Street and in the east line of said Block 41, marking an angle point of the herein described tract;

THENCE, South 02°46'46" East, along the west R.O.W. line of said Rutland Street and the east line of said Block 41, a distance of 150.00 feet to the **POINT OF BEGINNING** and containing 3.646 acres (158,825 square feet) of land.

There also exists a separate exhibit prepared by Terra Surveying Company, Inc., under Project Number 1617-1447-S, of even date.

Compiled by: Jerry Scott
Reviewed by: George Collison, RPLS
Terra Surveying Company, Inc.
3000 Wilcrest Drive, Suite 210
Houston, Texas 77042
713-993-0327
September 18, 2015
1617-1447_Subject tract_mbs.doc





NOTES:

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ABBREVIATIONS LEGEND:

ESMT	EASEMENT
F.C.	FILM CODE
FND	FOUND 5/8" IR
H.C.C.F.	HARRIS COUNTY CLERK'S FILE
H.C.D.R.	HARRIS COUNTY DEED RECORDS
H.C.M.R.	HARRIS COUNTY MAP RECORDS
IR	IRON ROD
NO.	NUMBER
PG	PAGE
P.O.B.	POINT OF BEGINNING
P.O.C.	POINT OF COMMENCING
R.O.W.	RIGHT-OF-WAY
"SET"	SET 5/8" IR W/TERRA CAP
VOL.	VOLUME
W/	WITH

LINE TABLE

LINE	BEARING	DISTANCE
L1	S 02°46'46" E	70.00'
L2	S 02°46'46" E	59.00'

STATE OF TEXAS
REGISTERED
GEORGE COLLISON
4461
PROFESSIONAL
LAND SURVEYOR

AN EXHIBIT OF
2.224 ACRES (96,895 SQ. FT.)
JOHN AUSTIN SURVEY, A-1
CITY OF HOUSTON, HARRIS COUNTY, TEXAS

TERRA
SURVEYING CO., INC.
3000 WILCREST DRIVE
SUITE 210
HOUSTON, TEXAS 77042
(713) 993-0327
FAX (713) 993-9231

KEY MAP:	452 V
FIELD BOOK:	
SCALE:	1" = 100'
JOB NO.	1617-1447-S
DATE:	SEPTEMBER 18, 2015
DRAWN BY:	TSC
CHECKED BY:	GC
DWG. NO.	

CITY OF HOUSTON
PUBLIC WORKS AND
ENGINEERING DEPARTMENT

APPROVAL

DATE

SURVEY SECTION

RIGHT OF WAY SECTION

KEY MAP No. 452 V	GIMS MAP No. 5359a
PARCEL NO.	
JOB NO.	
WBS NO.	
C.M. NO.	

TERRA
SURVEYING
COMPANY, INC.

3000 Wilcrest Drive, Suite 210 - Houston, Texas 77042 – (713) 993-0327 – FAX (713) 993-9231

METES AND BOUNDS DESCRIPTION
2.224 ACRES (96,895 SQUARE FEET)
PARCEL NUMBER _____
JOHN AUSTIN SURVEY, ABSTRACT NUMBER 1
CITY OF HOUSTON, HARRIS COUNTY, TEXAS

Being a tract or parcel containing 2.224 acres (96,895 square feet) of land, situated in the John Austin Survey, Abstract Number 1, City of Houston, Harris County, Texas; being portions of West 24TH Avenue (70 feet wide), Ashland Street (70 feet wide) and West 25TH Avenue (R.O.W. Varies), all rights-of-way dedicated by HOUSTON HEIGHTS ADDITION, a subdivision plat of record in Volume 1A, Page 114, Harris County Map Records; the herein described 2.224 acre tract being more particularly described by metes and bounds as follows (bearings herein are grid bearings based on the Texas State Plane Coordinate System, South Central Zone, NAD 83 (NA2011); distances are surface distances based on the U.S. Survey Foot and may be converted to grid by multiplying by a combined scale factor of 0.999870017):

BEGINNING at a found 1" x 1" iron bar (X=3,109,471.33, Y=13,858,921.05), marking the intersection of the west right-of-way (R.O.W.) line of Rutland Street (70 feet wide), as dedicated by said Houston Heights Addition and the north R.O.W. line of said West 24TH Avenue, also marking the southeast corner of said Block 41 of HOUSTON HEIGHTS, a subdivision plat of record in Volume 93, page 29, Harris County Deed Records, said iron bar being South 02°46'46" East, a distance of 150.00 feet from a 5/8-inch iron rod with plastic cap stamped "TERRA SURVEYING", set (X=3,109,464.06, Y=13,859,070.86);

THENCE, South 02°46'46" East, over and across the R.O.W. of said West 24TH Avenue, a distance of 70.00 feet to a point for the northeast corner of Block 45 of said Houston Heights;

THENCE, South 87°13'14" West, along the north line of said Block 45, at a distance of 628.00 feet pass the northwest corner of said Block 45, continuing across the aforesaid Ashland Street, a total distance of 698.00 feet to a point for a northeast corner of Block 46 of said Houston Heights;

THENCE, North 02°46'46" West, over and across the R.O.W. of said West 24TH Avenue, at a distance of 70.00 feet pass the southeast corner of Block 40 of said Houston Heights, continuing along the east line of said Block 40 and the west R.O.W. line of said Ashland Street, at a distance of 339.00 feet pass the northeast corner of said Block 40, continuing over and across the R.O.W. of the aforesaid West 25TH Avenue, a total distance of 398.00 feet to a point in the north R.O.W. line of said West 25TH Avenue;

THENCE, North 87°13'14" East, along the north R.O.W. line of said West 25TH Avenue, a distance of 495.00 feet a point;

THENCE, South 02°46'46" East, over and across the R.O.W. of said West 25TH Avenue, a distance of 70.00 feet to a point in the north line of the aforesaid Block 41 and the south R.O.W. line of said West 25TH Avenue;

THENCE, South 87°13'14" West, along the north line of said Block 41 and the south R.O.W. line of said West 25TH Avenue, a distance of 425.00 feet a found 5/8-inch iron rod marking the northwest corner of said Block 41;

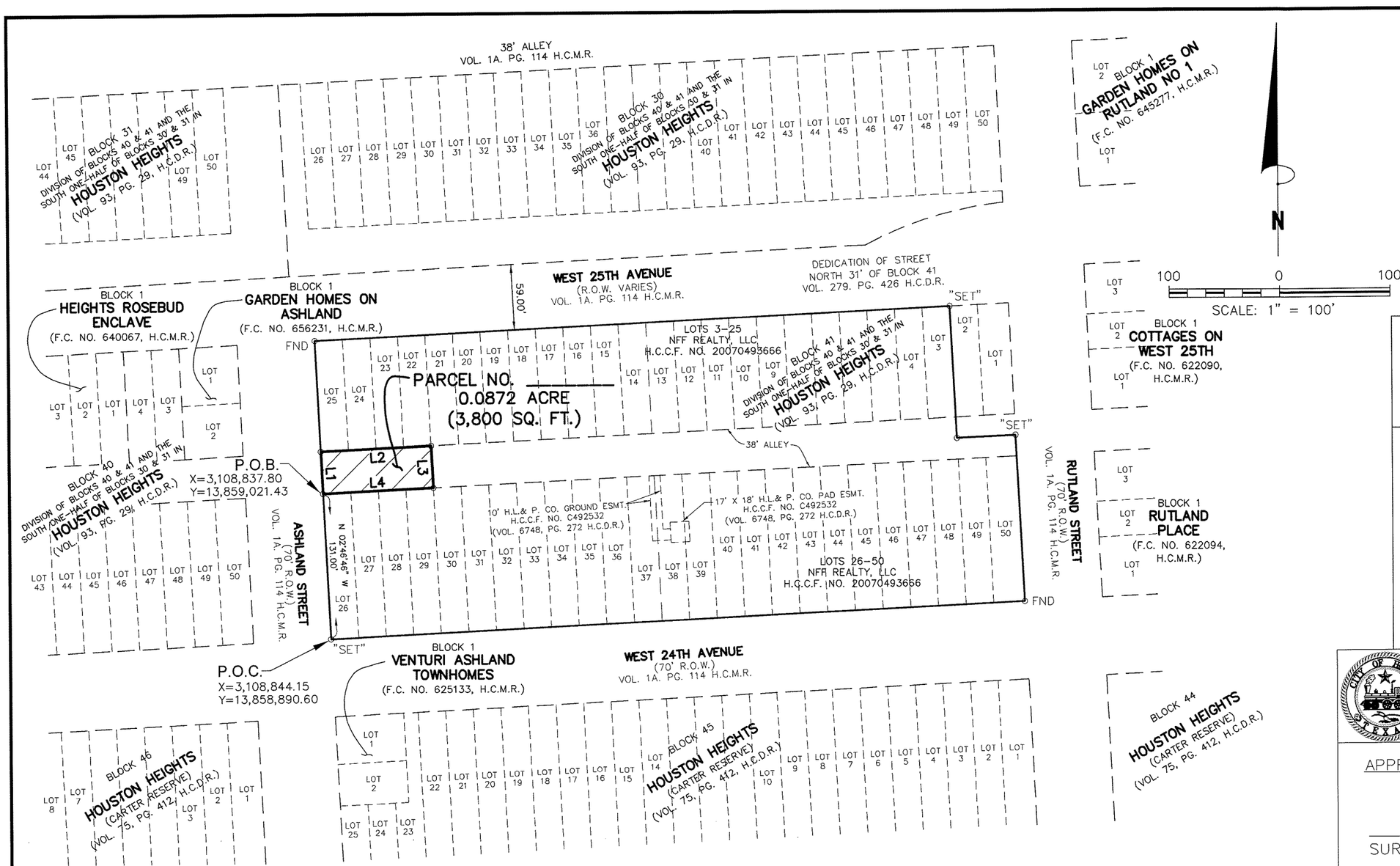
THENCE, South 02°46'46" East, along the west line of said Block 41 and the east R.O.W. line of the aforesaid Ashland Street, a distance of 269.00 feet a 5/8-inch iron rod with plastic cap stamped "TERRA SURVEYING", set marking the southwest corner of said Block 41;

THENCE, North 87°13'14" East, along the south line of said Block 41 and the north R.O.W. line of the aforesaid West 24TH Avenue, a distance of 628.00 feet to the **POINT OF BEGINNING** and containing 2.224 acres (96,895 square feet) of land.

There also exists a separate exhibit prepared by Terra Surveying Company, Inc., under Project Number 1617-1447-S, of even date.

Compiled by: Jerry Scott
Reviewed by: George Collison, RPLS
Terra Surveying Company, Inc.
3000 Wilcrest Drive, Suite 210
Houston, Texas 77042
713-993-0327
September 18, 2015
1617-1447_Right of Way_mbs.doc

STATE OF TEXAS
REGISTERED
GEORGE COLLISON
4461
PROFESSIONAL
LAND SURVEYOR



NOTES:

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3. BEARINGS REFERENCED TO THE TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (NAD83), COORDINATES REFERENCED HEREON ARE GRID AND MAY BE CONVERTED TO SURFACE BY APPLYING THE COMBINED SCALE FACTOR OF 0.999870017.

ABBREVIATIONS LEGEND:

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"SET"	SET 5/8" IR W/TERRA CAP
VOL.	VOLUME
W/	WITH

LINE TABLE

LINE	BEARING	DISTANCE
L1	N 02°46'46" W	38.00'
L2	N 87°13'14" E	100.00'
L3	S 02°46'46" E	38.00'
L4	S 87°13'14" W	100.00'

AN EXHIBIT OF
0.0872 ACRE (3,800 SQ. FT.)
JOHN AUSTIN SURVEY, A-1
CITY OF HOUSTON, HARRIS COUNTY, TEXAS

TERRA
SURVEYING CO., INC.
3000 WILCREST DRIVE
SUITE 210
HOUSTON, TEXAS 77042
(713) 993-0327
FAX (713) 993-9231

KEY MAP:	452 V
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CITY OF HOUSTON
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ENGINEERING DEPARTMENT

APPROVAL

DATE

SURVEY SECTION

RIGHT OF WAY SECTION

KEY MAP No. 452 V	GIMS MAP No. 5359a
PARCEL NO.	
JOB NO.	
WBS NO.	
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STATE OF TEXAS
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GEORGE COLLISON
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LAND SURVEYOR

TERRA
SURVEYING
COMPANY, INC.

3000 Wilcrest Drive, Suite 210 - Houston, Texas 77042 – (713) 993-0327 – FAX (713) 993-9231

METES AND BOUNDS DESCRIPTION
0.0872 ACRE (3,800 SQUARE FEET)
PARCEL NUMBER _____
JOHN AUSTIN SURVEY, ABSTRACT NUMBER 1
CITY OF HOUSTON, HARRIS COUNTY, TEXAS

Being a tract or parcel containing 0.0872 acre (3,800 square feet) of land, situated in the John Austin Survey, Abstract Number 1, City of Houston, Harris County, Texas; being out of and a part of a 38-foot alley in Block 41, Division of Block 40 & 41 and the South One-Half of Blocks 30 & 31 in HOUSTON HEIGHTS, a subdivision plat of record in Volume 93, Page 29, Harris County Deed Records; the herein described 0.0872 acre tract being more particularly described by metes and bounds as follows (bearings herein are grid bearings based on the Texas State Plane Coordinate System, South Central Zone, NAD 83 (NA2011); distances are surface distances based on the U.S. Survey Foot and may be converted to grid by multiplying by a combined scale factor of 0.999870017):

COMMENCING at a 5/8-inch iron rod with plastic cap stamped "TERRA SURVEYING", set (X=3,108,844.15, Y=13,858,890.60), marking the intersection of the east right-of-way (R.O.W.) line of Ashland Drive (70 feet wide) and the north R.O.W. line of West 24TH Avenue (70 feet wide), both as dedicated by HOUSTON HEIGHTS ADDITION, a subdivision of record in Volume 1A, Page 114, Harris County Map Records; also marking the southwest corner of said Block 41;

THENCE, North 02°46'46" West, along the east R.O.W. line of said Ashland Drive and the west line of said Block 41, a distance of 131.00 feet to the POINT OF BEGINNING (X=3,108,837.80, Y=13,859,021.43) and the southwest corner of the herein described parcel;

THENCE, North 02°46'46" West, continuing along the east R.O.W. line of said Ashland Drive and the west line of said Block 41, a distance of 38.00 feet to a point for the northwest corner of the herein described parcel;

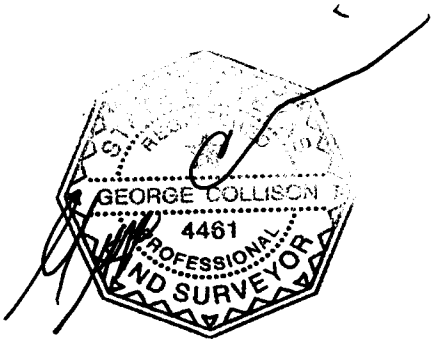
THENCE, North 87°13'14" East, departing the east R.O.W. line of said Ashland Drive and the west line of said Block 41, over and across said Block 41, a distance of 100.00 feet to a point for a northeast corner of the herein described parcel;

THENCE, South 02°46'46" East, over and across said 38-foot alley, a distance of 38.00 feet to a point for the southeast corner of the herein described parcel;

THENCE, South 87°13'14" West, a distance of 100.00 feet to the **POINT OF BEGINNING** and containing 0.0872 acre (3,800 square feet) of land.

There also exists a separate exhibit prepared by Terra Surveying Company, Inc., under Project Number 1617-1447-S, of even date.

Compiled by: Jerry Scott
Reviewed by: George Collison, RPLS
Terra Surveying Company, Inc.
3000 Wilcrest Drive, Suite 210
Houston, Texas 77042
713-993-0327
September 18, 2015
1617-1447_38x100 Alley_mbs.doc



21
WD

V

20070493666
08/13/2007 RP3 $96.00

General Warranty Capital Contribution Deed

Notice of confidentiality rights: If you are a natural person, you may remove or strike any or all of the following information from this instrument before it is filed for record in the public records: your Social Security number or your driver's license number.

Date: July 25, 2007

402

Grantor: **NATIONAL FLAME & FORGE, INC.**, a Texas corporation, (formerly known as National Flame Treating Company, and successor in interest to National Flame Treating Company and National Forge Co., Inc. pursuant to Certificate of Merger filed with the Secretary of State of the State of Texas dated March 1, 1976, Charter No. 161672, and copy of said Certificate of Merger recorded in the Official Real Property Records of Harris County under File No. F108395)

Grantor's Mailing Address: 330 West 25th Street, Houston, Harris County, Texas 77008

Grantee: **NFF REALTY, L.L.C.**, a Texas limited liability company

Grantee's Mailing Address: 330 West 25th Street, Houston, Harris County, Texas 77008

Consideration: All of the membership interests in Grantee being issued to Grantor simultaneously herewith. The Property is conveyed to Grantee for the purpose of contributing to the capital of Grantee.

Property (excluding any improvements): The real property located in Harris County, Texas, and more particularly described on Exhibits "A-1", "A-2", "A-3", "A-4", "A-5", "A-6", "A-7", "A-8", "A-9", "A-10", "A-11", "A-12", "A-13", "A-14", "A-15", and "A-16" attached hereto and incorporated herein.

The Property does not include Excluded Improvements located on the Land.

Reservations from Conveyance: Excluded Improvements: Any structure, improvement, or equipment situated on the Land.

Exceptions to Conveyance and Warranty: Validly existing easements, rights-of-way, and prescriptive rights, whether of record or not; all presently recorded and validly existing instruments, other than conveyances of the surface fee estate, that affect the Property; and taxes for 2007 with respect to the land only, which Grantee assumes and agrees to pay.

Grantor, for the Consideration and subject to the Reservations from Conveyance and the Exceptions to Conveyance and Warranty, and subject to the proviso below, grants, sells, and conveys to Grantee the Property, together with all and singular the rights and appurtenances thereto in any way belonging, to have and to hold it to Grantee and Grantee's heirs, successors,

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8:00 AM

AUG 13 2007

County Clerk, Harris County, Texas

and assigns forever. Grantor binds Grantor and Grantor's successors and assigns to warrant and forever defend all and singular the Property to Grantee and Grantee's successors, and assigns against every person whomsoever lawfully claiming or to claim the same or any part thereof, except as to the Reservations from Conveyance and the Exceptions to Conveyance and Warranty, provided, however, with respect to the real property described on Exhibit A-16, 0.2646 acres of real property described on Exhibit A-16, the Grantor makes no warranty whatsoever but, instead, bargains, sells, releases and quitclaims said 0.2646 acre tract to Grantee.

When the context requires, singular nouns and pronouns include the plural.

NATIONAL FLAME & FORGE, INC., a Texas corporation

By: William E. Pielop III

Name: President National Flame + Forge, Inc

Title: William E. Pielop III

THE STATE OF TEXAS §
§
COUNTY OF HARRIS §

This instrument was acknowledged before me on the 25 day of July, 2007, by Griselda Rodriguez, William E Pielop III of **NATIONAL FLAME & FORGE, INC.**, a Texas corporation, on behalf of said corporation.

[SEAL]

GRISELDA RODRIGUEZ
Notary Public
STATE OF TEXAS
My Comm. Exp. 10-07-2008

Notary Public in and for
The State of Texas

Griselda Rodriguez
Printed Name of Notary

My Commission Expires: 10/07/08

After recording return to:

Irwin M. Barg
Schlanger, Silver, Barg & Paine, LLP
109 North Post Oak Lane, Suite 300
Houston, Texas 77024

394378-2

EXHIBIT A-1

LEGAL DESCRIPTION

Lots Thirty-Two (32) and Thirty Three (33), in Block Forty-One (41) of HOUSTON HEIGHTS, an additional to the City of Houston, in Harris County, Texas, according to the Map thereof recorded in Volume 75, Page 412 of the Deed Records of Harris County, Texas, being also known as 335-337 West 24th Street, Houston, Texas.

Being that same property as described in a deed filed for record under Harris County Clerk's File Sequence No. D215458 of the Deed Records of Harris County, Texas.

EXHIBIT A-2

LEGAL DESCRIPTION

The West Ten feet (10') of Lot Eleven (11) and all of lots Twelve (12) and Thirteen (13) of Block Thirty (30) of HOUSTON HEIGHTS, a subdivision in Harris County, Texas, according to the map or plat thereof recorded in Volume I-A, Page 114 of the Map Records of Harris County, Texas.

Being that same property as described in a deed filed for record under Harris County Clerk's File Sequence No. D941031 of the Deed Records of Harris County, Texas.

EXHIBIT A-3

LEGAL DESCRIPTION

Lots Thirty-Eight (38) through Fifty (50) in Block No. Thirty (30) of HOUSTON HEIGHTS, a Subdivision in the John Austin Survey, being an addition in the City of Houston, Harris County, Texas, according to the Map or Plat thereof, recorded in Volume 1-A, Page 114 of the Map Records of Harris County, Texas;

Together with the adjoining portion of West 25th Street conveyed by Quit Claim Deed from the City of Houston to Moretrench Corporation dated April 24, 1967, recorded in Volume 6749, Page 592, of the Deed Records of Harris County, Texas, all particularly described as follows:

> That certain portion of West 25th Street, containing 11, 231 square feet, being a portion of West 25th Street lying south of and abutting Lots 38 to 50, both inclusive, of Block 30, HOUSTON HEIGHTS SUBDIVISION, of the John Austin Survey in Houston, Harris County, Texas, and being described by metes and bounds as follows:
>
> BEGINNING at a point, the southeast corner of the aforesaid Lot 50 at the northwest intersection of West 25th Street and Rutland Street;
>
> THENCE South along the west line of Rutland Street, a distance of 10.34 feet to a point;
>
> THENCE in a Southwesterly direction Following the arc of a curve to the left having a central angle of 22° 28' 14" and a radius of 333.77 feet whose chord bears South 75° 53' 49" West, a distance of 130.90 feet to a point;
>
> THENCE West along a line parallel to and 42 feet, at right angles, south of the south line of the aforesaid Block 30, a distance of 201.86 feet to a point;
>
> THENCE North, a distance of 42.00 feet to a point, the southwest corner of the aforesaid Lot 38;
>
> THENCE East along the south line of the aforesaid Lots 38 to 50, both inclusive, a distance of 328.00 feet to the PLACE OF BEGINNING;

Together with any and all right, title and interest which GRANTOR may own or claim in contiguous property or in any easements, alleys or roadways adjoining the hereinabove described real property.

Being that same property as described in a deed filed for record under Harris County Clerk's File Sequence No. E222725 of the Deed Records of Harris County, Texas.

EXHIBIT A-4

LEGAL DESCRIPTION

The North forty-one (41) feet of Lots Forty Seven (47), Forty Eight (48), Forty Nine (49) and Fifty (50), Block Forty One (41), HOUSTON HEIGHTS, a subdivision in Harris County, Texas, according to the Map or Plat thereof recorded in Volume 93, Page 29 of the Deed Records of Harris County, Texas.

Being that same property as described in a deed filed for record under Harris County Clerk's File Sequence No. E801325 of the Deed Records of Harris County, Texas.

EXHIBIT A-5

LEGAL DESCRIPTION

Lots Eighteen (18) and Nineteen (19) in Block Twenty Nine (29) of HOUSTON HEIGHTS, an addition to the City of Houston in Harris County, Texas, according to the Map of record in Volume 1, Page 114 of the Map Records of Harris County, Texas.

Being that same property as described in a deed filed for record under Harris County Clerk's File Sequence No. E880457 of the Deed Records of Harris County, Texas.

EXHIBIT A-6

LEGAL DESCRIPTION

1.3472 acres (or 58,683.60 square feet) of land being all of Lots 39 through 50, Block 31, HOUSTON HEIGHTS ADDITION to the City of Houston, Harris County, Texas, plat of the South one-half (1/2) of Block 31 of said Addition being recorded in Volume 93, Page 29, Harris County Deed Records, and including parts of the adjacent rights-of-way for Ashland Street, West 25th Street, and a 38 foot wide alley, said 1.3472 acres of land being more particularly described as follows:

BEGINNING at a 5/8 inch iron rod at the southwest corner of Lot 39, the southeast corner of Lot 38, of Block 31, on the north right-of-way line of West 25th Street;

THENCE North in part with the common line between Lots 38 and 39, and at 131.00 feet pass their common north corner, and continuing at a total distance of 138.70 feet in all to a 1 1/4 inch iron pipe for corner in said alley;

THENCE East within said alley and in part generally with the center line of a railroad spur track 348.00 feet to a 1 1/4 inch iron pipe for corner in said center line and within the right-of-way of Ashland Street;

THENCE South within said Ashland Street 180.70 feet to a 1 1/4 inch iron pipe for corner located one foot South of the center line of another railroad spur track within the right-of-way of West 25th Street;

THENCE West within said West 25th Street 248.00 feet to a 1/2 inch iron pipe for corner;

THENCE North 42.00 feet to a "+" mark cut in concrete for corner in the north right-of-way line of West 25th Street and at the southwest corner of Lot 43 and the southeast corner of Lot 42 of said Block 31;

THENCE West with the south line of Lots 42, 41, 40 and 39 and with said north right-of-way line 100.00 feet to the PLACE OF BEGINNING.

Being that same property as described in a deed filed for record under Harris County Clerk's File Sequence No. F062712 of the Deed Records of Harris County, Texas.

EXHIBIT A-7

LEGAL DESCRIPTION

All of those certain lots, tracts or parcels of land situated in Houston Heights, an addition to the City of Houston in Harris County, Texas, according to the various maps of portions of said addition recorded in Volume 1A, Page 114 of the Map Records of Harris County, Texas, and in Volume 93 at Page 29 of the Deed Records of Harris County, Texas, which lots, tracts or parcels of land are more particularly described as follows:

PARCEL ONE:

Lots Nos. Twenty (20) to Twenty-five (25), both inclusive, in Block Twenty-nine (29).

PARCEL TWO:

Lots Fourteen (14), Fifteen (15) . Sixteen (16), Thirty-one (31), Thirty-two (32), Thirty-three (33), Thirty-four (34), Thirty-five (35), Thirty-six (36), Thirty-seven (37), the East 5 feet of Lot Seventeen (17), the East 18 feet of Lot Thirty (30), in Block Thirty (30) of HOUSTON HEIGHTS, an addition to the City of Houston in Harris County, Texas, according to the map thereof recorded in Volume 1-A, Page 114 of the Map Records of Harris County, Texas; a strip of land 7.7 feet by 118 feet adjoining Lots 31 to 35 and part of Lot 30 on the North, being the portion of a 38 foot alley, and a strip of land 42 feet by 193 feet adjoining Lots 31 to 37 and part of Lot 30 on the South and being a part of what was formerly known as 25th Street, in Houston Heights, all of which is one contiguous tract of land, more particularly described by metes and bounds as follows:

BEGINNING at a 1/2 inch pipe marking the Southeast corner of that certain 176,342 square foot tract described in Deed from South Texas Cotton Oil Company to South Texas Warehouses, Inc., by Deed dated December 19, 1957, recorded in volume 3441, Page 216 of the Deed Records of Harris County, Texas;

THENCE North 342 feet to the Northeast corner of Lot 14 in Block 30 of Houston Heights;

THENCE West 80 feet along the North line of said 176,342 square foot tract to an iron rod;

THENCE South 131 feet to a 1/2 inch iron pipe;

THENCE East 5 feet to a 1/2 inch iron pipe;

THENCE South 30.3 feet to a 1/2 inch iron pipe;

THENCE West 118 feet to a 1/2 inch iron pipe in the center line of a railroad spur track;

THENCE South 180.7 feet to the South line of said 176,342 square foot tract for corner;

THENCE East 193 feet along said South line to the Place of Beginning, containing 47,627.6 square feet of land, and being the same lots, tracts or parcels of land conveyed by Deed from South Texas Warehouses, Inc. to W. E. Pielop, Jr., dated May 22, 1963, recorded in Volume 5136, Page 606 of the Deed Records of Harris County, Texas.

PARCEL THREE:

Lots Twenty-six (26), Twenty-seven (27), Twenty-eight (28), Twenty-nine (29) and the adjoining West 7 feet of Lot Thirty (30) in the South one-half (1/2) of Block Thirty (30) of HOUSTON HEIGHTS, an addition to the City of Houston in Harris County, Texas, according to the Map of the South one-half (1/2) of said Block Thirty (30) recorded in Volume 93, Page 29 of the Deed Records of Harris County, Texas; together with the adjoining East 25 feet of the abandoned right-of-way of Ashland Street, the adjoining South 7.7 feet by 132 feet of the abandoned alley in said Block 30, and the adjoining 132 feet by 42 feet of the abandoned right-of-way of West 25th Street. Said parcels forming a tract of land 132 feet by 180.7 feet containing 23,852 square feet of land, more or less, and being more particularly described as follows:

BEGINNING at the most southern southwest corner of that certain 47,627.6 square foot tract of land conveyed by the Deed from South Texas Warehouses, Inc., to W. E. Pielop, Jr., dated May 22nd, 1963, recorded in Volume 5136, Page 606 of the Deed Records of Harris County, Texas; said point of beginning being in the South line of the North 42 foot abandoned portion of West 25th Street;

THENCE West, along said 42 foot abandoned portion of West 25th Street, a distance of 132.00 feet to a point for corner where the original right-of-way of West 25th Street crosses the original right-of-way (now abandoned) of Ashland Street;

THENCE North, following a line which at one point runs 25.00 feet West of and parallel with the West line of said Block 30, a distance of 180.70 feet to a point for corner in a railroad spur track;

THENCE East, following a line generally located in the center line of said railroad spur track which line at one point runs 7.7 feet North of and parallel with the North line of said Block 30, a distance of 132.00 feet to a point for corner, same being the most southern Northwest corner of said 47,627.6 square foot tract of land;

THENCE South along the most western line of said 47,627.6 square foot tract, following a line which at one point runs 7.00 feet East of the West line of Lot 30 in said Block 30, a distance of 180.70 feet to the place of beginning and containing 23,852 square feet of land, and being the same lots, tracts or parcels of land conveyed by Deed from South Texas Warehouses, Inc. to W.E. Pielop, Jr., dated August 23, 1966, recorded in Volume 6491, Page 71 of the Deed Records of Harris County, Texas.

PARCEL FOUR:

Lots Nos. Three (3) to Twenty-five (25), both inclusive; Lots Nos. (30) and Thirty-one (31); Lots Nos. Thirty-four (34) to Forty-six (46), both inclusive, all in Block Forty-one (41).

Being that same property as described in a deed filed for record under Harris County Clerk's File Sequence No. F085746 of the Deed Records of Harris County, Texas.

EXHIBIT A-8

LEGAL DESCRIPTION

The South 90 feet of Lots Forty-seven (47), Forty-eight (48), Forty-Nine (49) and Fifty (50), in Block Forty-One (41) of HOUSTON HEIGHTS an addition in Harris County, Texas according to the map or plat thereof recorded in Volume 93, Page 29 of the Deed Records of Harris County, Texas.

Being that same property as described in a deed filed for record under Harris County Clerk's File Sequence No. F325831 of the Deed Records of Harris County, Texas.

EXHIBIT A-9

LEGAL DESCRIPTION

Lots Twenty-six (26) and Twenty-Seven (27) in Block Forty-one (41) of HOUSTON HEIGHTS, a subdivision in Harris County, Texas, according to the map or plat thereof recorded in Volume 1-A, Page 114 of the Map Records of Harris County, Texas.

Being that same property as described in a deed filed for record under Harris County Clerk's File Sequence No. F482696 of the Deed Records of Harris County, Texas.

EXHIBIT A-10

LEGAL DESCRIPTION

Lots 28 and 29, Block 41, Houston Heights Addition, Houston, Harris County, Texas, more commonly known as 345 West 24th Street, Houston, Texas.

Being that same property as described in a deed filed for record under Harris County Clerk's File Sequence No. F502893 of the Deed Records of Harris County, Texas.

EXHIBIT A-11

LEGAL DESCRIPTION

North 42 feet of Lots 1, 2, 3, and 4, BLOCK 30, HOUSTON HEIGHTS a subdivision in Harris County, Texas, according to the map or plat thereof recorded at Page 1A Volume 114 of the Map Records of Harris County, Texas.

Being that same property as described in a deed filed for record under Harris County Clerk's File Sequence No. G133505 of the Deed Records of Harris County, Texas.

EXHIBIT A-12

LEGAL DESCRIPTION

Lots One (1) and Two (2), in Block Forty (40), of HOUSTON HEIGHTS, an addition in Harris County, Texas, according to the map or plat thereof recorded in Volume 1, Page 114, of the Map Records of Harris County, Texas.

Being that same property as described in a deed filed for record under Harris County Clerk's File Sequence No. G908416 of the Deed Records of Harris County, Texas.

EXHIBIT A-13

LEGAL DESCRIPTION

Of 0.4036 acres of land out of Lots 28 thru 41, Block 31 of Houston Heights Subdivision, as recorded in 1A, Page 114 of the Map Records of Harris County, Texas, said tract also being part of that certain tract conveyed from Houston Railway Company to Houston & Texas Central Railroad Company, by deed dated August 1, 1902, as recorded in Volume 148, Page 42 of the Deed Records of Harris County, Texas, and being located in the John Austin Survey, Abstract No. 1, Harris County, Texas, said 0.4036 acres of land being more particularly described by metes and bounds as follows:

COMMENCING at a point for the northwest corner of Lot 26, Block 31 of said Houston Heights Subdivision, said point also being located in the east Right-Of-Way line of Nicholson Street (based on a 100.00 foot wide Right-Of-Way), from said point a 1 inch iron pipe was found, 1.10 feet north;

THENCE South along the west line of said Lot 26, same being the east Right-Of-Way line of said Nicholson Street, a distance of 131.00 feet to a point for the southwest corner of said Lot 26, said point also being located in the original north Right-Of-Way line of 25TH Avenue (based on a 70.00 foot wide Right-Of-Way);

THENCE East along the south line of Lots 26, 27 and 28, same being the original north Right-Of-Way line of said 25TH Avenue, a distance of 55.43 feet to a 5/8 inch iron rod set for the PLACE OF BEGINNING of the herein described tract, said iron rod being 20 feet northwesterly of and measured radial to the centerline of Southern Pacific Transportation Company nearest railroad track;

THENCE along a line 20 feet northwesterly of said railroad track, being a curve to the right, having a radius of 254.62 feet, a central angle of 07° 03'42", an arc length of 31.38 feet, a chord bearing of North 58° 32'18" East and a chord distance of 31.36 feet to a 5/8 inch iron rod set for corner;

THENCE North 62° 04'09" East continuing along a line 20 feet northwesterly of said railroad track, a distance of 244.73 feet to a 5/8 inch iron rod set for corner in the north line of said Lot 37;

THENCE East along the north line of said Lots 37 thru 41, a distance of 85.40 feet to a 5/8 inch iron rod set for corner;

THENCE South 62° 04'09" West a distance of 165.09 feet to a 5/8 inch iron rod set for corner;

THENCE along a curve to the right, having a radius of 309.51 feet, a central angle of 30° 42'17", an arc length of 165.87 feet, a chord bearing of South 70° 53'04" East and a chord distance of 163.89 feet to a 5/8 inch iron rod set for corner in the south line of said Lot 41, same being the original north Right-Of-Way line of said 25TH Avenue;

THENCE West along the south line of said Lots 41, 40, 39 and 38, same being the original north Right-Of-Way line of said 25TH Avenue, a distance of 88.44 feet to an "x" set in concrete for corner;

THENCE along a curve to the left, having a radius of 269.51 feet, a central angle of 37° 32'41", an arc length of 176.61 feet, a chord bearing of West and a chord distance of 173.46 feet to a 5/8 inch iron rod set for corner in the south line of said 31, same being the original north Right-Of-Way line of said 25TH Avenue;

THENCE West along the south line of said Lots 31, 30, 29 and 28, same being the original north Right-Of-Way line of said 25TH Avenue, passing at a distance of 29.69 feet a 1 inch iron pipe was found, and continuing for a total distance of 75.46 feet to the PLACE OF BEGINNING of the herein described tract and containing within these calls 17,579 square feet or 0.4036 acres of land.

Being that same property as described in a deed filed for record under Harris County Clerk's File Sequence No. M956371 of the Deed Records of Harris County, Texas.

EXHIBIT A-14

LEGAL DESCRIPTION

Lots 30 through 38, inclusive in Block thirty-one (31), of HOUSTON HEIGHTS, an addition in Harris County, Texas, according to the map or plat thereof recorded in Volume 1A, Page 114, of the Map Records of Harris County, Texas;

LESS, SAVE AND EXCEPT, however, that certain 0.4036 acre tract thereof out of Lots 28 through 41, inclusive in Block 31, described, in deed dated December 11, 1990, from Southern Pacific Transportation Company to National Flame and Forge, Inc., filed for record on December 27, 1990 under Clerk's File No. M956371 of the Official Public Records of Real Property of Harris County, Texas.

Being that same property as described in a deed filed for record under Harris County Clerk's File Sequence No. P395956 of the Deed Records of Harris County, Texas.

EXHIBIT A-15

LEGAL DESCRIPTION

South Forty-Four (44) feet of Lots One (1), Two (2), Three (3), and Four (4), in Block Thirty (30) of HOUSTON HEIGHTS, an addition in Harris County, Texas according to the map or plat thereof recorded in Volume 1, Page 114, of the Map Records of Harris County, Texas.

Being that same property as described in a deed filed for record under Harris County Clerk's File Sequence No. F649347 of the Deed Records of Harris County, Texas.

EXHIBIT A-16

LEGAL DESCRIPTION

Of 0.2646 acres of land out of a 38 foot wide alley, in Blocks 30 and 31, and a portion of Ashland Street of Houston Heights Subdivision, as recorded in 1A, Page 114 of the Map Records of Harris County, Texas, said tract also being part of that certain tract conveyed from Houston Railway Company to Houston & Texas Central Railroad Company, by deed dated August 1, 1902, as recorded in Volume 148, Page 42 of the Deed Records of Harris County, Texas, and being located in the John Austin Survey, Abstract No. 1, Harris County, Texas, said 0.2646 acres of land being more particularly described by metes and bounds as follows:

COMMENCING at a point for the northwest corner of Lot 26, Block 31 of said Houston Heights Subdivision, said point also being located in the east Right-Of-Way line of Nicholson Street (based on a 100.00 foot wide Right-Of-Way), from said point a 1 inch iron pipe was found, 1.10 feet north;

THENCE East along the north line of Lots 26 thru 37, a distance of 298.40 feet to a 5/8 inch Iron rod set for the PLACE OF BEGINNING of the herein described tract;

THENCE North 62° 04'09" East a distance of 40.56 feet to a point for corner (unable to set corner) in the centerline of said 38 foot wide alley;

THENCE East along the centerline of said, alley, a distance of 588.76 feet to a point for corner (unable to set corner) in the west line of a tract of land (called Parcel 2), as conveyed from William E. Pielop, et ux to National Flame & Forge, Inc., by deed dated February 28, 1977, as recorded in Harris County Clerk's File No. F085746;

THENCE South along said west line, a distance of 19.00 feet to an "x" set in a concrete footing for corner in the north line of Lot 35 of said Block 30;

THENCE West along the north line of said Lots 35 thru 26, Block 30 and Lots 50 thru 37, Block 31, a distance of 624.60 feet to the PLACE OF BEGINNING of the herein described tract and containing within these calls 11,527 square feet or 0.2646 acres of land.

Being that same property as described in a deed filed for record under Harris County Clerk's File Sequence No. M956370 of the Deed Records of Harris County, Texas.

ANY PROVISION HEREIN WHICH RESTRICTS THE SALE, RENTAL, OR USE OF THE DESCRIBED REAL PROPERTY BECAUSE OF COLOR OR RACE IS INVALID AND UNENFORCEABLE UNDER FEDERAL LAW.
THE STATE OF TEXAS
COUNTY OF HARRIS
I hereby certify that this instrument was FILED in the number Sequence on the date and at time stamped hereon by me; and was duly RECORDED, in the Official Public Records of Real Property of Harris County Texas on

AUG 13 2007

COUNTY CLERK
HARRIS COUNTY, TEXAS

APPENDIX B

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

The Site is the former location of National Flame & Forge, a historic machining and forging facility that began operations in 1938. Between 2009 and 2010 production related activities at the Site ceased. Throughout 2010, operations at the Site were decommissioned and demolished. As such, all buildings, below grade structures, foundations, and paving were demolished and removed from the Site. The Site is currently vacant land. It is anticipated that it will be used for residential purposes in the future.

Properties within 500 feet of the boundary of the designated property are developed for single-family residential use with some mixed commercial use. A map illustrating the current property uses within 500 feet of the boundary of the designated property is included as ***Figure B***.

ese partners

N

0 150 '

SCALE: 1 " = 150 '

LEGEND

500' Radius

Approximate Property Boundary

Copyright © 2015

NATIONAL FLAME & FORGE
349 WEST 24TH STREET
HOUSTON, HARRIS COUNTY, TEXAS
VOLUNTARY CLEANUP PROGRAM ID NO. 2391

500' PROPERTY USE MAP

JOB NUMBER: 10-0051
FILE NAME: FIGURE_B
DATE: 8/18/2015
DRAWN BY: KA
APPROVED BY: AV

FIGURE B

APPENDIX C

A site map(s) showing:

a) *The location of the designated property;*

b) *The topography of the designated property as indicated on publicly available sources, which must note the watershed including the nearest surface water body and whether the designated property is located in a floodplain or floodway, as those terms are defined in Chapter 19 of the Code of Ordinances;*

c) *The detected area of groundwater contamination;*

d) *The location of all soil sampling locations and all groundwater monitoring wells;*

e) *Groundwater gradients, to the extent known, and direction of groundwater flow;*

f) *The ingestion protective concentration level exceedance zone for each contaminant of concern, to the extent known; and*

g) *Depth to groundwater for each affected zone.*

The above referenced site maps are illustrated in the following figures:

Figure C-a1 – Site Location Map

Figure C-a2 – Site Map

Figure C-b1 – Topographic Map

Figure C-b2 – Flood Insurance Rate Map

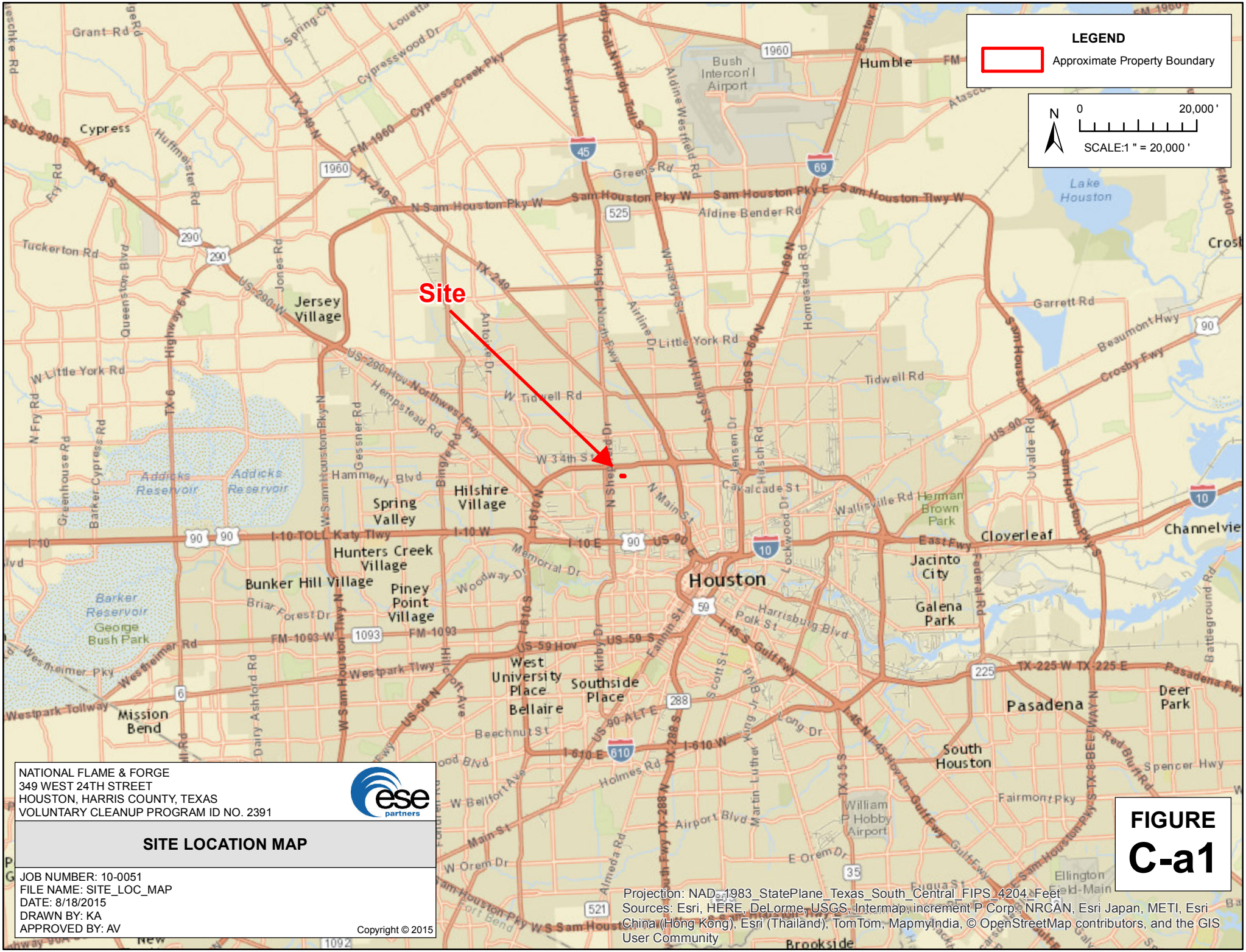
Figure C-c – Detected Groundwater Contamination Map

Figure C-d1 – Soil Boring Location Map

Figure C-d2 – GW Monitor Well Location Map

Figure C-e1 – Groundwater Gradient Map

Figure C-f – Groundwater PCLE Zone Map



NATIONAL FLAME & FORGE
349 WEST 24TH STREET
HOUSTON, HARRIS COUNTY, TEXAS
VOLUNTARY CLEANUP PROGRAM ID NO. 2391

ese partners

SITE LOCATION MAP

JOB NUMBER: 10-0051
FILE NAME: SITE_LOC_MAP
DATE: 8/18/2015
DRAWN BY: KA
APPROVED BY: AV

Copyright © 2015

Projection: NAD_1983_StatePlane_Texas_South_Central_FIPS_4204_Feet
Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

FIGURE
C-a1

NATIONAL FLAME & FORGE
349 WEST 24TH STREET
HOUSTON, HARRIS COUNTY, TEXAS
VOLUNTARY CLEANUP PROGRAM ID NO. 2391

ese partners

SITE MAP

JOB NUMBER: 10-0051
FILE NAME: SITE_MAP
DATE: 9/24/2015
DRAWN BY: KA
APPROVED BY: JB

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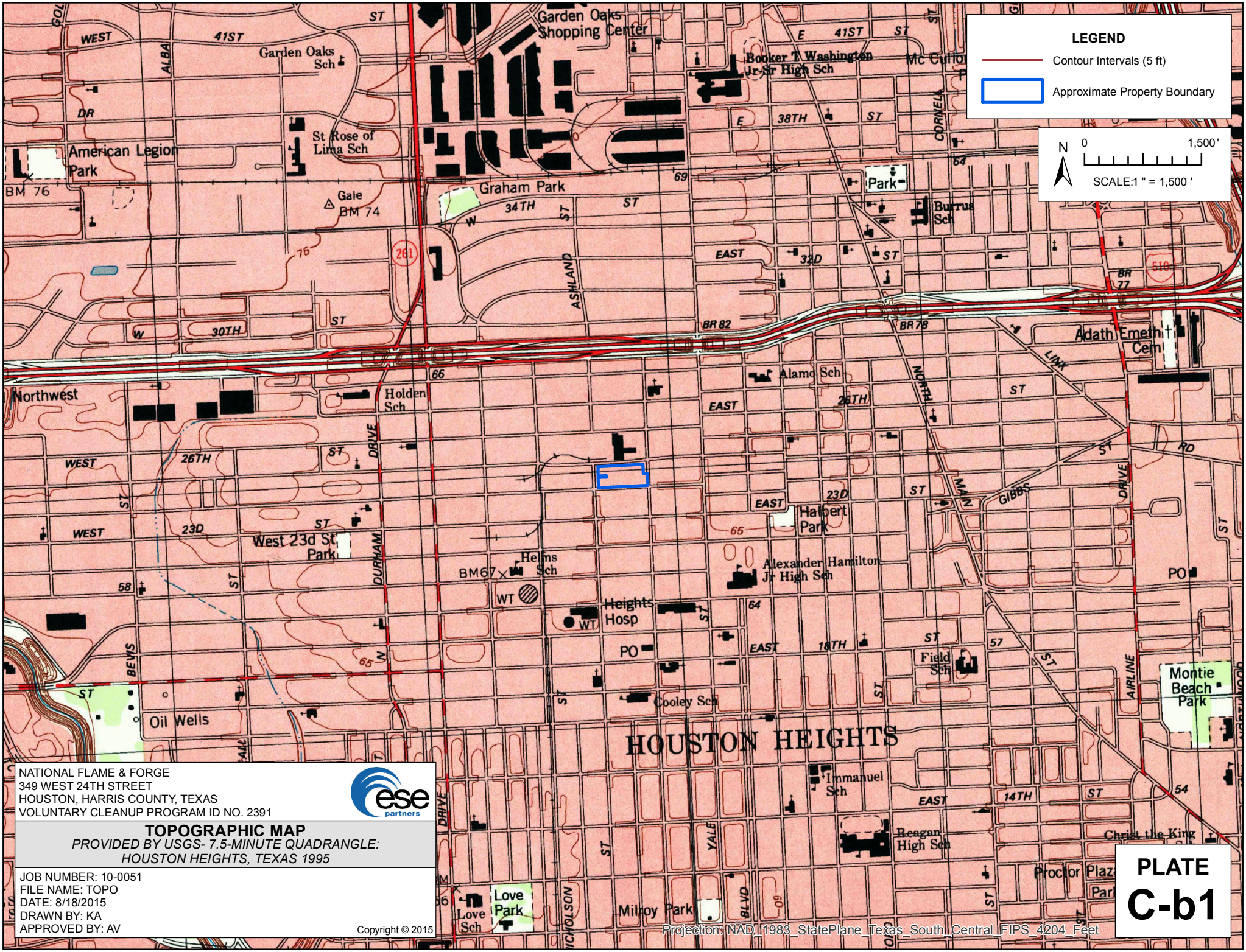
FIGURE
C-a2



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HOUSTON, HARRIS COUNTY, TEXAS
VOLUNTARY CLEANUP PROGRAM ID NO. 2391

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TOPOGRAPHIC MAP

PROVIDED BY USGS- 7.5-MINUTE QUADRANGLE: HOUSTON HEIGHTS, TEXAS 1995

JOB NUMBER: 10-0051
FILE NAME: TOPO
DATE: 8/18/2015
DRAWN BY: KA
APPROVED BY: AV

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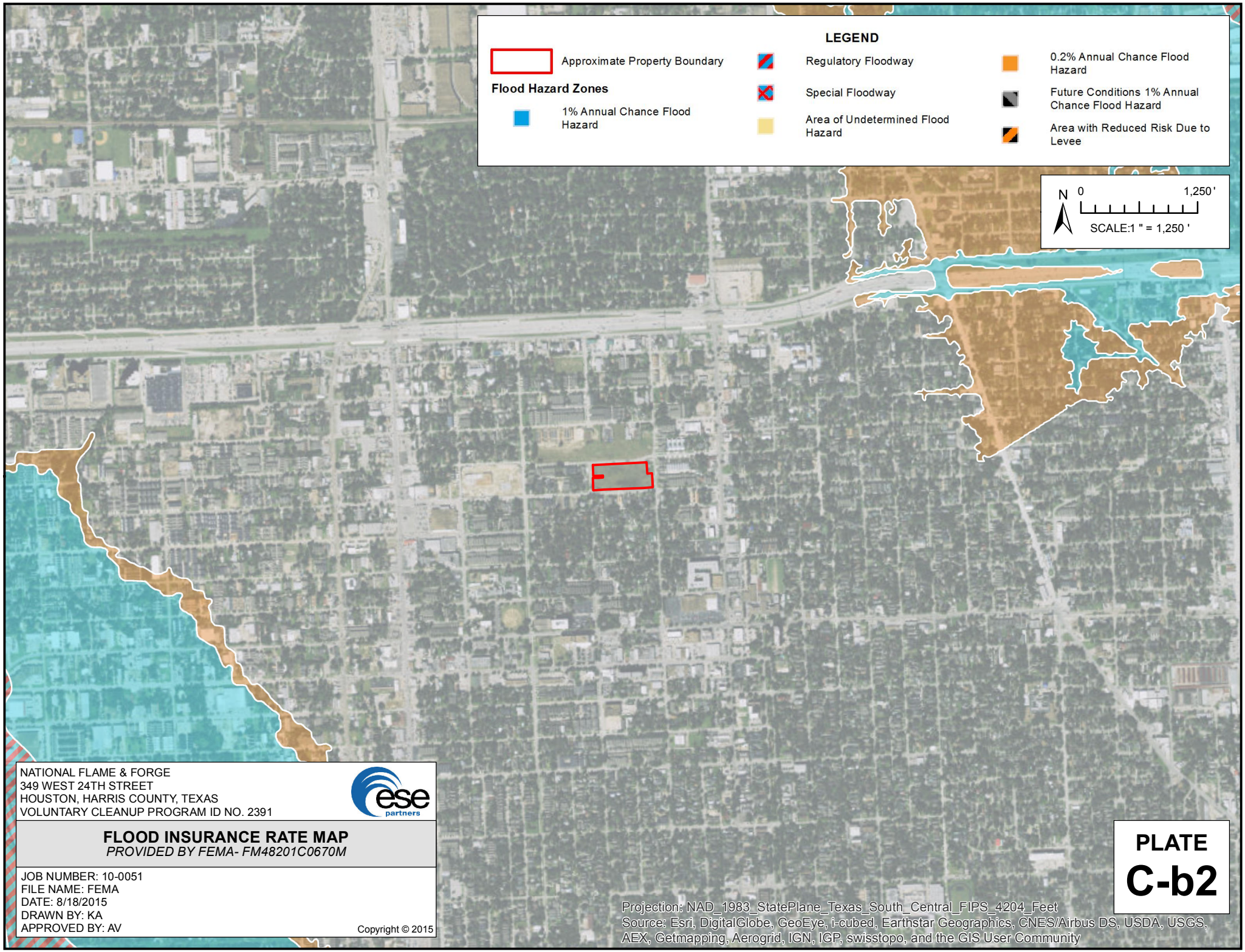
PLATE
C-b1



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HOUSTON, HARRIS COUNTY, TEXAS
VOLUNTARY CLEANUP PROGRAM ID NO. 2391

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FLOOD INSURANCE RATE MAP
PROVIDED BY FEMA- FM48201C0670M

JOB NUMBER: 10-0051
FILE NAME: FEMA
DATE: 8/18/2015
DRAWN BY: KA
APPROVED BY: AV

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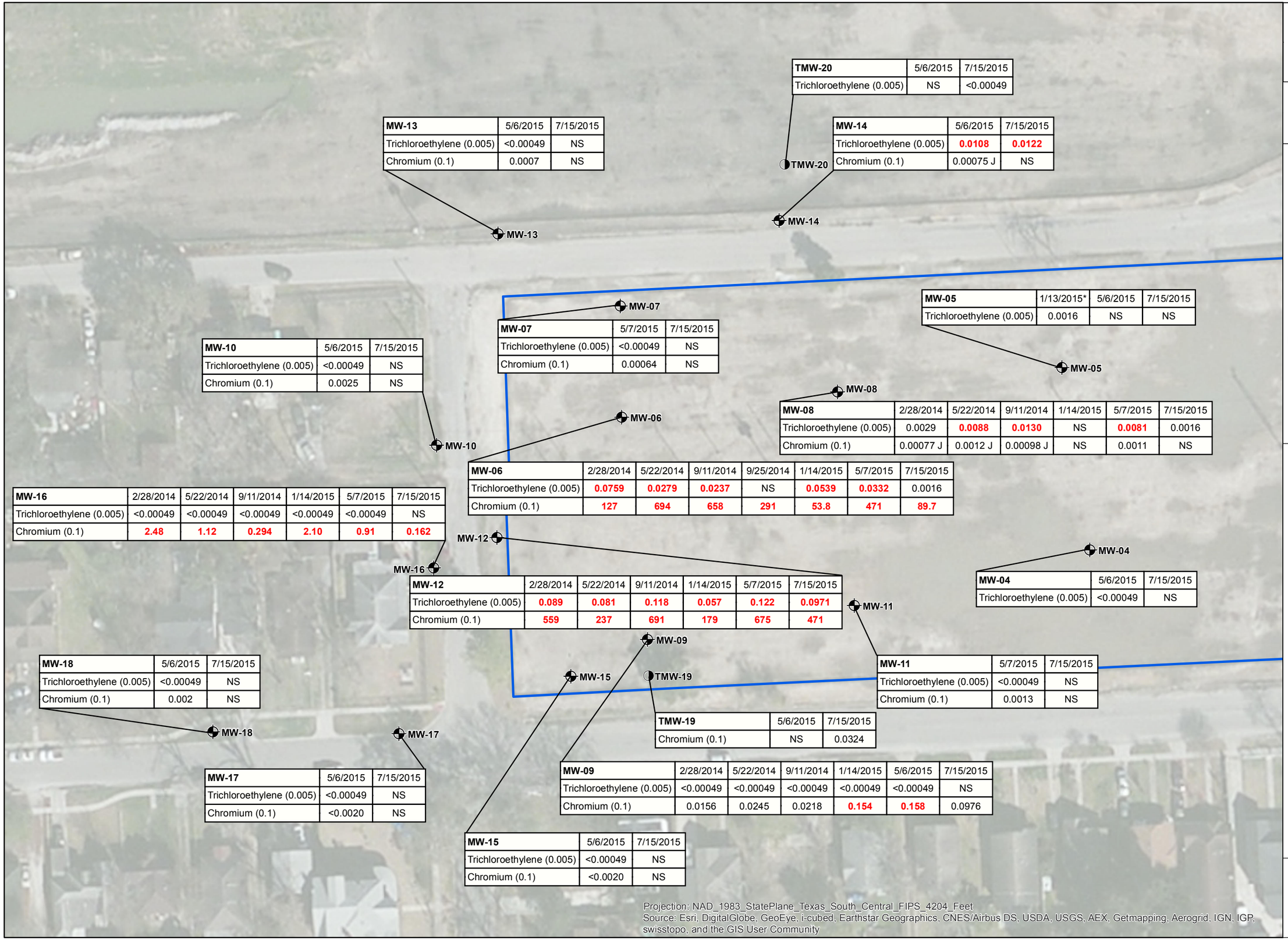
PLATE
C-b2



MW-13	5/6/2015	7/15/2015
Trichloroethylene (0.005)	<0.00049	NS
Chromium (0.1)	0.0007	NS

TMW-20	5/6/2015	7/15/2015
Trichloroethylene (0.005)	NS	<0.00049

MW-14	5/6/2015	7/15/2015
Trichloroethylene (0.005)	**0.0108**	**0.0122**
Chromium (0.1)	0.00075 J	NS

MW-07	5/7/2015	7/15/2015
Trichloroethylene (0.005)	<0.00049	NS
Chromium (0.1)	0.00064	NS

MW-05	1/13/2015*	5/6/2015	7/15/2015
Trichloroethylene (0.005)	0.0016	NS	NS

MW-10	5/6/2015	7/15/2015
Trichloroethylene (0.005)	<0.00049	NS
Chromium (0.1)	0.0025	NS

MW-08	2/28/2014	5/22/2014	9/11/2014	1/14/2015	5/7/2015	7/15/2015
Trichloroethylene (0.005)	0.0029	**0.0088**	**0.0130**	NS	**0.0081**	0.0016
Chromium (0.1)	0.00077 J	0.0012 J	0.00098 J	NS	0.0011	NS

MW-06	2/28/2014	5/22/2014	9/11/2014	9/25/2014	1/14/2015	5/7/2015	7/15/2015
Trichloroethylene (0.005)	**0.0759**	**0.0279**	**0.0237**	NS	**0.0539**	**0.0332**	0.0016
Chromium (0.1)	**127**	**694**	**658**	**291**	**53.8**	**471**	**89.7**

MW-16	2/28/2014	5/22/2014	9/11/2014	1/14/2015	5/7/2015	7/15/2015
Trichloroethylene (0.005)	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	NS
Chromium (0.1)	**2.48**	**1.12**	**0.294**	**2.10**	**0.91**	**0.162**

MW-12	2/28/2014	5/22/2014	9/11/2014	1/14/2015	5/7/2015	7/15/2015
Trichloroethylene (0.005)	**0.089**	**0.081**	**0.118**	**0.057**	**0.122**	**0.0971**
Chromium (0.1)	**559**	**237**	**691**	**179**	**675**	**471**

MW-04	5/6/2015	7/15/2015
Trichloroethylene (0.005)	<0.00049	NS

MW-11	5/7/2015	7/15/2015
Trichloroethylene (0.005)	<0.00049	NS
Chromium (0.1)	0.0013	NS

MW-18	5/6/2015	7/15/2015
Trichloroethylene (0.005)	<0.00049	NS
Chromium (0.1)	0.002	NS

TMW-19	5/6/2015	7/15/2015
Chromium (0.1)	NS	0.0324

MW-17	5/6/2015	7/15/2015
Trichloroethylene (0.005)	<0.00049	NS
Chromium (0.1)	<0.0020	NS

MW-09	2/28/2014	5/22/2014	9/11/2014	1/14/2015	5/6/2015	7/15/2015
Trichloroethylene (0.005)	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	NS
Chromium (0.1)	0.0156	0.0245	0.0218	**0.154**	**0.158**	0.0976

MW-15	5/6/2015	7/15/2015
Trichloroethylene (0.005)	<0.00049	NS
Chromium (0.1)	<0.0020	NS

Projection: NAD_1983_StatePlane_Texas_South_Central_FIPS_4204_Feet
Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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N

0 60'

SCALE: 1 " = 60 '

LEGEND

- Temporary Monitor Well Location
- Monitor Well Location
- Approximate Property Boundary
- NS — Not Sampled
- * — Most Recent Sampling Event

Monitor Well Location	PCL (mg/L)	Date Collected
MW-05		9/18/2014
Trichloroethylene (0.005) (COC)		**0.0237** Reported Concentration (mg/L) **[PCL Exceedance]**

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GROUNDWATER COC CONCENTRATION MAP

JOB NUMBER: 10-0051
FILE NAME: GW_COC_MSD
DATE: 9/30/2015
DRAWN BY: KA
APPROVED BY: JB

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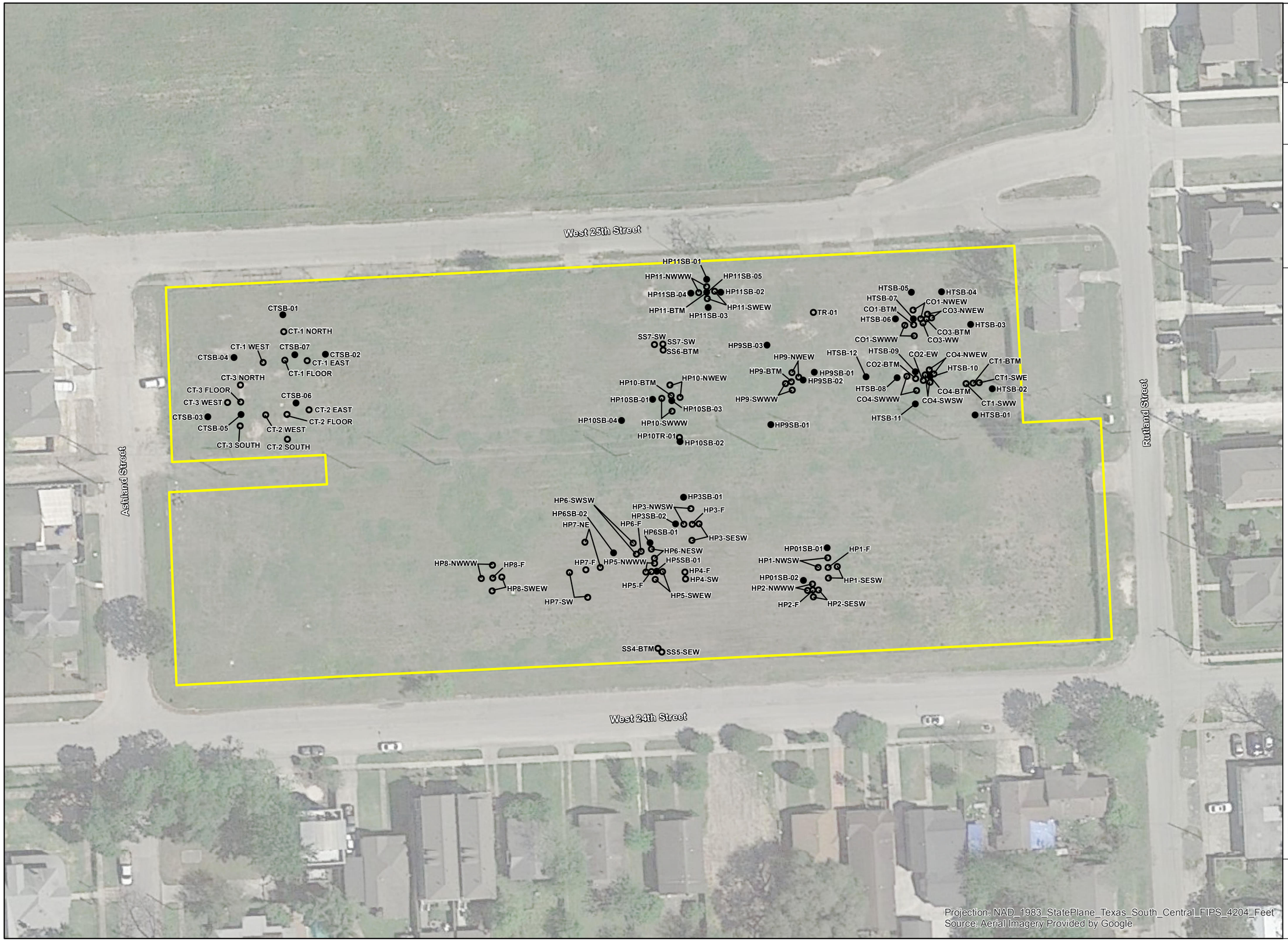
FIGURE
C-c



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N

0 60'

SCALE: 1 " = 60 '

LEGEND

- Grab Sample Location
- Soil Sample Location
- Approximate Property Boundary

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VOLUNTARY CLEANUP PROGRAM ID NO. 2391

SOIL BORING LOCATION MAP

JOB NUMBER: 10-0051
FILE NAME: BORING_LOCATIONS
DATE: 8/18/2015
DRAWN BY: KA
APPROVED BY: AV

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FIGURE
C-d1

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N

0 80'

SCALE: 1 " = 80 '

LEGEND

- Temporary Monitor Well Location
- Monitor Well Location
- Approximate Property Boundary

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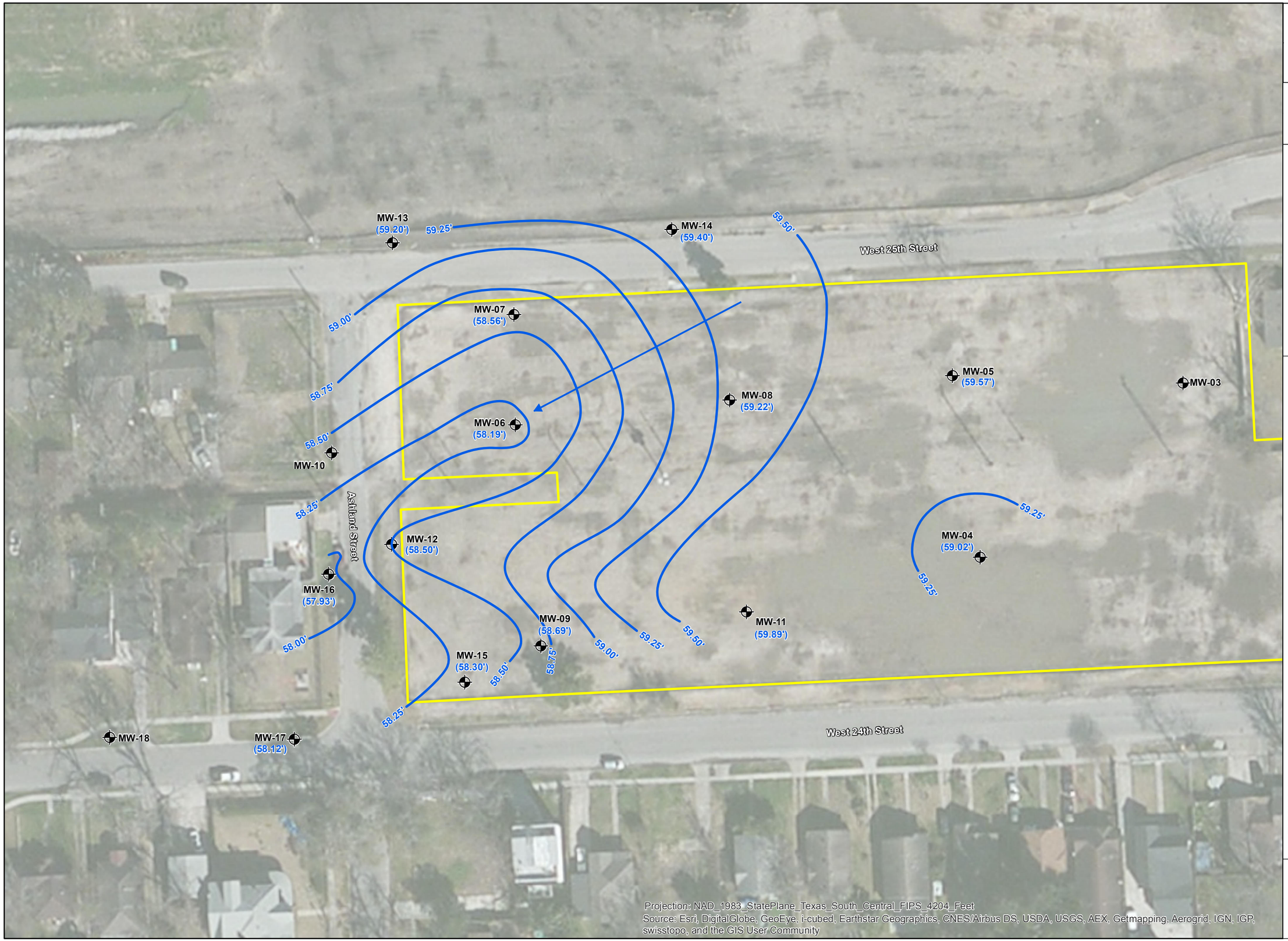
GROUNDWATER MONITOR WELL LOCATION MAP

JOB NUMBER: 10-0051
FILE NAME: GW_WELLS
DATE: 10/20/2015
DRAWN BY: KA
APPROVED BY: JB

FIGURE
C-d2



ese partners

N

0 60'

SCALE: 1 " = 60 '

LEGEND

- Monitor Well Location
- Groundwater Gradient Contour (ft AMSL)
- Groundwater Flow Direction
- Approximate Property Boundary
- (59.57') Groundwater Elevation (ft AMSL)

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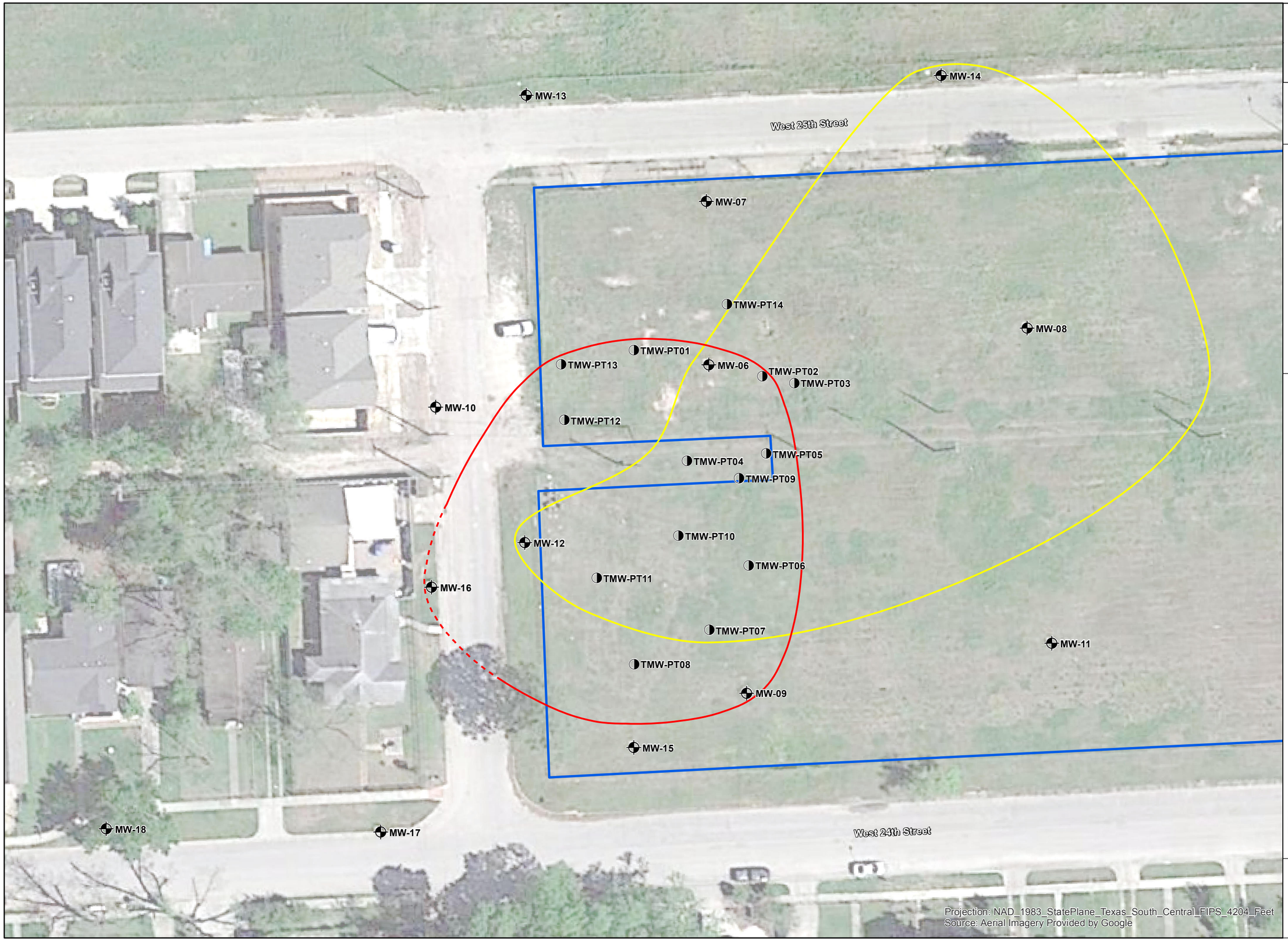
GROUNDWATER GRADIENT MAP

JOB NUMBER: 10-0051
FILE NAME: GW_GRADIENT
DATE: 3/17/2015
DRAWN BY: KA
APPROVED BY: AV

FIGURE
C-e



ese partners

N

0 40'

SCALE: 1 " = 40 '

LEGEND

- Temporary Monitor Well Location
- Monitor Well Location
- Inferred Chromium PCLE Boundary
- Chromium PCLE Boundary
- TCE PCLE Boundary
- Approximate Property Boundary

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GROUNDWATER PCLE ZONE MAP

JOB NUMBER: 10-0051
FILE NAME: PCLE
DATE: 8/19/2015
DRAWN BY: KA
APPROVED BY: AV

FIGURE
C-f

APPENDIX D

Provide for each contaminant of concern within the designated groundwater:

a) *A description of the ingestion protective concentration level exceedance zone and the non-ingestion protective concentration level exceedance zone, including a specification of the horizontal area and the minimum and maximum depth below ground surface.*

b) *The level of contamination, the ingestion protective concentration level, and the non-ingestion protective concentration level, all expressed as mg/L units.*

c) *Its basic geochemical properties (e.g., whether the contaminant of concern migrates with groundwater, floats or is soluble in water).*

Based on the assessment activities conducted to date, the upper groundwater-bearing unit (GWBU) at the designated property has been affected by trichloroethylene (TCE) and chromium at concentrations which exceed their respective Texas Risk Reduction Program (TRRP) critical protective concentration levels (PCLs) for groundwater ingestion ($^{GW}GW_{Ing}$). No groundwater contaminants of concern have been identified at concentrations which exceed non ingestion PCLs. Therefore, a non-ingestion protective concentration level exceedance (PCLE) zone does not exist at the designated property.

A description of each contaminant of concern, the ingestion PCLE zone, vertical and horizontal extent, and geochemical properties is provided below:

<u>Trichloroethylene (TCE)</u>

Maximum Concentration: 0.23 mg/L
Ingestion-Based PCL (Residential $^{GW}GW_{Ing}$): 0.005mg/L
Ingestion-Based PCLE Zone:

- Minimum Depth: 28’ bgs
- Maximum Depth: <37’ bgs
- Total Area: 24,464 square feet

Non-Ingestion-Based PCL ($^{Air}GW_{Inh-V}$): 24mg/L
Non-Ingestion-Based PCLE Zone: None
Geochemical/Physical Properties:

- Molecular Weight: 131.39 g/mol
- Specific Gravity: 1.46
- Soluble in Water: Yes
- Migrates with Groundwater: Yes

Chromium

Maximum Concentration: 874 mg/L
Ingestion-Based PCL (Residential $^{GW}GW_{Ing}$): 0.1 mg/L
Ingestion-Based PCLE Zone:

- Minimum Depth: 28' bgs
- Maximum Depth: <37' bgs
- Total Area: 48,874 square feet

Non-Ingestion-Based PCL ($^{Air}GW_{Inh-V}$): Not Established
Non-Ingestion-Based PCLE Zone: None
Geochemical/Physical Properties:

- Molecular Weight: 52.00 g/mol
- Specific Gravity: 7.19
- Soluble in Water: Dependent on oxidation state
- Migrates with Groundwater: Yes

APPENDIX E

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

a) The maximum concentration level for soil and groundwater, the ingestion protective concentration level, and the non-ingestion protective concentration level, all expressed as mg/kg for soils and mg/L for groundwater.

b) The critical protective concentration level without the municipal setting designation, highlighting any exceedances.

Table A - Groundwater

Contaminant of Concern	TRRP Tier 1 Residential ${}^{GW}GW_{Ing}$ PCL (mg/L)	TRRP Tier 1 Residential PCL ${}^{Air}GW_{Inh\text{-}V}$ (mg/L)	Maximum Concentration (mg/L)
Trichloroethylene	0.005*	2.4E+01	**0.23**
Chromium	0.100*	Not Established	**874**

*Critical PCL without MSD

Bold Text – Indicates PCL exceedance

Table B - Soil

Contaminant of Concern	Texas Specific Background Concentration	TRRP Tier 1 Residential $^{Tot}Soil_{Comb}$ PCL (mg/kg)	TRRP Tier 1 Residential $^{GW}Soil_{Ing}$ PCL (mg/kg)	TRRP Tier 1 Residential $^{Air}Soil_{Inh-V}$ PCL (mg/kg)	Maximum Concentration (mg/kg)
Arsenic	5.9E+00*	2.4E+01	5.0E+00	NE	**21.721**
Barium	3.0E+02	8.1E+03	4.4E+01*	NE	**737**
Chromium	3.0E+01	3.3E+04	2.4E+03*	NE	**11,300**
Lead	1.5E+01*	5.0E+02	3.0E+00	NE	**295**
Mercury	4.0E-02*	3.6E+00	7.8E-03	NE	**0.146**
TPH (C_6-C_{12})	NE	1.6E+03	6.5E+01*	3.1E+03	**140**
TPH (C_{12}-C_{28})	NE	2.3E+03	2.0E+02*	1.5E+04	**49,000**** **<2,300*****
TPH (C_{28}-C_{35})	NE	2.3E+03	2.0E+02*	1.5E+04	**4,400**** **<2,300*****

*Critical PCL without MSD
**Soil removed via excavation and off-site disposal
*** Highest soil concentration remaining
NE – Not Established
Bold Text – Indicates PCL exceedance

APPENDIX F

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

The contaminant plume may extend beyond the extent of the designated property and right-of-way to a tract of land located to the southwest. The ownership information for the adjacent property is detailed below.

Property Owner: Mr. Joel Gardner
Property Use: Single Family Residence
Property Address: 403 West 24th Street, Houston, Texas 77008
Harris County Appraisal District Property ID: 0200360000049

ESE on behalf of NF&F has provided the adjoining landowner written notice in accordance with requirements set forth in 30 TAC §350.55 of the results of groundwater sampling and assessment at the designated property.

APPENDIX G

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

Historically, the Site has been utilized for industrial use associated with machining and forging operations, dating back to 1938. The previous industrial activities have been identified as the source of groundwater contamination at the designated property. All structures associated with historic industrial activities were demolished and removed from the Site in 2010. Currently the property consists of a vacant lot with vegetative cover.

The upper groundwater-bearing unit (GWBU) at the designated property has been affected by chromium and trichloroethylene at concentrations which exceed the respective Texas Risk Reduction Program (TRRP) critical protective concentration levels (PCLs) for groundwater ingestion ($^{GW}GW_{Ing}$). The identified source area for these plumes is the machine shop and waste processing area on the northwestern portion of the tract. Affected groundwater has been horizontally delineated using a network of sixteen (16) permanent monitor wells and sixteen (16) temporary monitor wells (TMWs) (See ***Figure C-a2*** in ***Appendix C***). Mann-Kendall Statistical Tests performed for the most recent ten (10) groundwater monitoring/sampling events has demonstrated a stable trend for chromium and decreasing trend for trichloroethylene in both the source area monitor well (MW-06) and a down-gradient monitor well (MW-12). Groundwater flow direction (gradient) in the upper GWBU at the designated property has been generally to the west-southwest throughout the majority of groundwater monitoring/sampling events. Mann-Kendall Statistical Test results are included in this appendix.

According to the EPA document *Natural Attenuation of Hexavalent Chromium in Groundwater and Soils* (Palmer and Puls, 1994), toxic Cr(VI) can be reduced to the less toxic Cr(III) and precipitated out of the aquifer under certain conditions. These conditions include the presence of natural reductants within the aquifer and characteristics that will lead to Cr(III) immobility. The following aqueous characteristics are indicative of the potential for Cr(VI) reduction and Cr (III) immobility:

- Redox potential (Eh)
- Ferrous iron concentration
- Sulfide concentration
- pH

On April 12, 2016, three (3) downgradient monitor wells (MW-09, MW-17, and MW-18) were sampled using a flow-through cell and proper low-flow sampling techniques. These MWs are reasonably assumed to be representative of overall downgradient aquifer characteristics. The collected samples were submitted to ALS Environmental (ALS) and analyzed for the abovementioned parameters. According to the laboratory report and field readings from the flow-through cell, the following aquifer characteristics were reported:

- An Eh range of 231-375 mV
- Ferrous iron concentrations of 0.193-0.365 mg/L
- Sulfide concentrations below laboratory detection limits
- A pH range of 6.47-6.66

A diagram presented in *Geochemical Reduction of Hexavalent Chromium in the Trinity Sand Aquifer* (Henderson, 1995) relates the thermodynamic stability of hexavalent and trivalent chromium species at varying Eh and pH. Based on reported ranges of Eh and pH observed at the Site, onsite conditions indicate that Cr(III) is the thermodynamically stable valence state of chromium on the Site. The Eh-pH diagram with superimposed reported onsite conditions is included in this appendix. Additionally, in the presence of ferrous iron, as reported in detectable concentrations at the Site, Cr(III) is likely to precipitate out as Cr(OH), thus rendering Cr(III) immobile.

Based on these findings, it appears that the downgradient aquifer has characteristics indicative of the potential to reduce toxic Cr(VI) to the less toxic Cr(III), as well as conditions that will lead to the immobility of Cr(III). Chrome plating operations were performed on the Site from 1950 to 1985, meaning that it has been over three decades since the source area was removed from the Site. In the time since this source area removal, chromium Protective Concentration Level (PCL) exceedances in groundwater have not been observed more than 60 feet from the Site boundary, suggesting that this potential reduction and subsequent immobility is indeed occurring.

These conditions in conjunction with the Mann-Kendall analysis of plume stability, reported chromium concentrations in groundwater, and historical removal of the onsite source area suggest that observed Cr(VI) concentrations in the source area MWs are highly unlikely to be observed in downgradient groundwater, and that the plume is therefore stable.

State of Wisconsin
Department of Natural Resources
Remediation and Redevelopment Program

Mann-Kendall Statistical Test
Form 4400-215 (2/2001)

Notice: This form is the DNR supplied spreadsheet referenced in Appendices A of Comm 46 and NR 746, Wis. Adm. Code. It is provided to consultants as an optional tool for groundwater contaminant trend analysis to support site closure requests under s. Comm 46.07, Comm 46.08, NR 746.07, NR 746.08, Wis. Adm. Code. Use this form or a manual method when seeking case closure under those rules. Earlier versions of this form should not be used.

Instructions: Do not change formulas or other information in cells with a blue background, only cells with a yellow background are used for data entry. To use the spreadsheet, provide at least four rounds and not more than ten rounds of data that is not seasonally affected. Use consistent units. The spreadsheet contains several error checks, and a data entry error may cause "DATA ERR" or "DATE ERR" to be displayed. Dates that are not consecutive will show an error message and will not display the test results. The spreadsheet tests the data for both increasing and decreasing trends at both 80 percent and 90 percent confidence levels. If a declining trend is present at 80 percent but not at 90 percent, a site is still eligible for closure under Comm 46 and NR 746 provided that other conditions in those rules are met. If an increasing or decreasing trend is not present, an additional coefficient of variation test is used to test for stability, as proposed by Wiedemeier et al, 1999. For additional information, refer to the Interim Guidance on Natural Attenuation for Petroleum Releases, dated October 1999. Refer to the guidance for recommendations on data entry for non-detect values.

Site Name : NF&F | BRRTS No. = 10-0051 | Well Number = MW-06

	Compound ->	Chromium	TCE				
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	11/9/2012	539.00	0.12				
2	5/20/2013	123.00	0.07				
3	8/9/2013	556.00	0.12				
4	12/2/2013	291.00	0.09				
5	2/28/2014	127.00	0.07				
6	5/22/2014	694.00	0.06				
7	9/18/2014	474.50	0.11	Data indicates average of two samples taken in September 2014			
8	1/14/2015	53.80	0.02				
9	5/7/2015	471.00	0.03				
10	7/15/2015	89.70	0.00				
	Mann Kendall Statistic (S) =	-11.0	-30.0	ERROR	0.0	0.0	0.0
	Number of Rounds (n) =	10	10	1	0	0	0
	Average =	341.90	0.07	ERROR	#DIV/0!	#DIV/0!	#DIV/0!
	Standard Deviation =	232.429	0.040	ERROR	#DIV/0!	#DIV/0!	#DIV/0!
	Coefficient of Variation(CV)=	0.680	0.578	ERROR	#DIV/0!	#DIV/0!	#DIV/0!
Error Check, Blank if No Errors Detected				DATA ERR	n<4	n<4	n<4
Trend ≥ 80% Confidence Level		DECREASING	DECREASING	ERROR	n<4	n<4	n<4
Trend ≥ 90% Confidence Level		No Trend	DECREASING	ERROR	n<4	n<4	n<4
Stability Test, If No Trend Exists at				ERROR	n<4	n<4	n<4
80% Confidence Level		NA	NA	ERROR	n<4	n<4	n<4

Data Entry By = A.V. | Date = 27-Jul-15 | Checked By = J.B.

State of Wisconsin
Department of Natural Resources
Remediation and Redevelopment Program

Mann-Kendall Statistical Test
Form 4400-215 (2/2001)

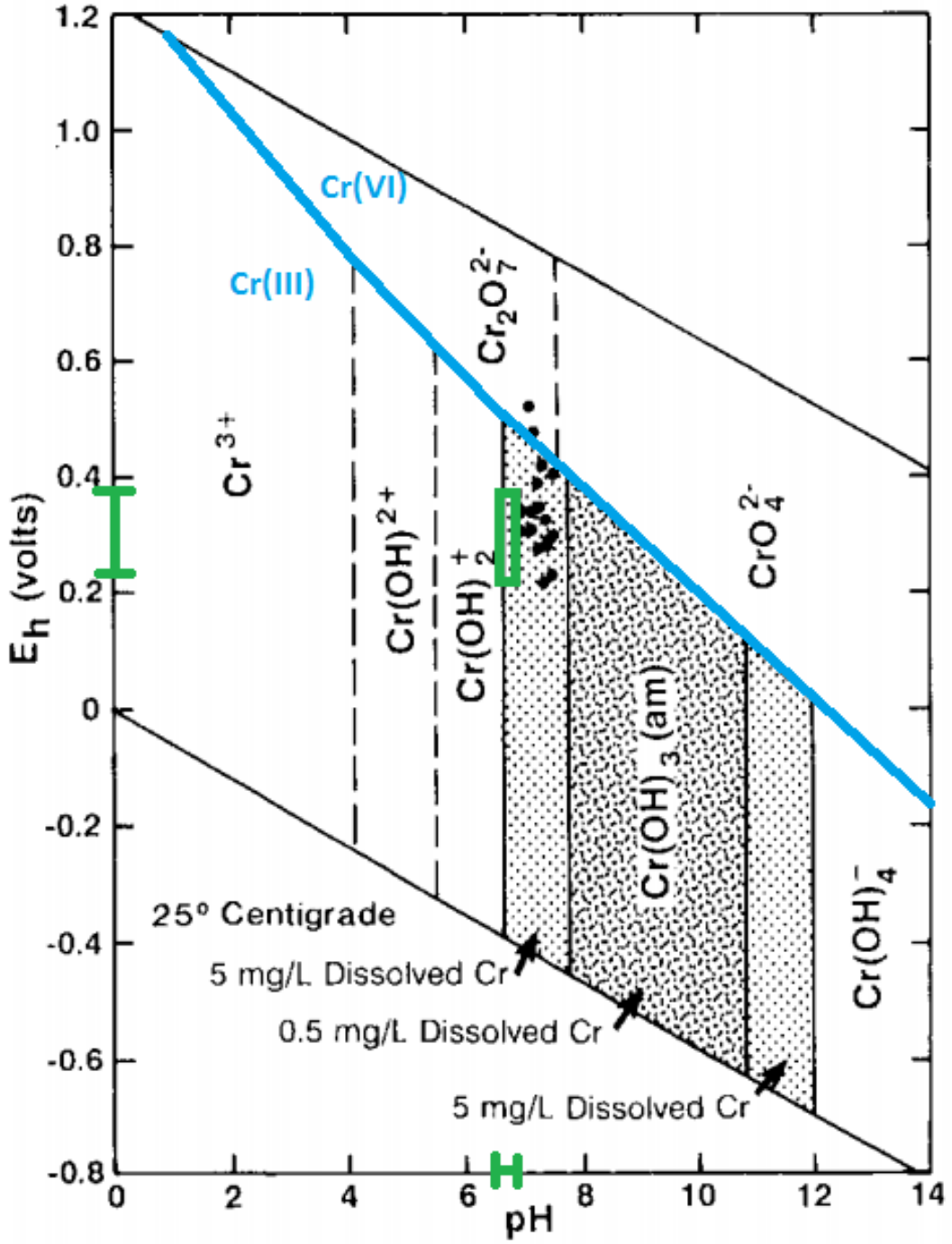
Notice: This form is the DNR supplied spreadsheet referenced in Appendices A of Comm 46 and NR 746, Wis. Adm. Code. It is provided to consultants as an optional tool for groundwater contaminant trend analysis to support site closure requests under s. Comm 46.07, Comm 46.08, NR 746.07, NR 746.08, Wis. Adm. Code. Use this form or a manual method when seeking case closure under those rules. Earlier versions of this form should not be used.

Instructions: Do not change formulas or other information in cells with a blue background, only cells with a yellow background are used for data entry. To use the spreadsheet, provide at least four rounds and not more than ten rounds of data that is not seasonally affected. Use consistent units. The spreadsheet contains several error checks, and a data entry error may cause "DATA ERR" or "DATE ERR" to be displayed. Dates that are not consecutive will show an error message and will not display the test results. The spreadsheet tests the data for both increasing and decreasing trends at both 80 percent and 90 percent confidence levels. If a declining trend is present at 80 percent but not at 90 percent, a site is still eligible for closure under Comm 46 and NR 746 provided that other conditions in those rules are met. If an increasing or decreasing trend is not present, an additional coefficient of variation test is used to test for stability, as proposed by Wiedemeier et al, 1999. For additional information, refer to the Interim Guidance on Natural Attenuation for Petroleum Releases, dated October 1999. Refer to the guidance for recommendations on data entry for non-detect values.

Site Name :	NF&F	BRRTS No. =	10-0051	Well Number =	MW-12

Event Number	Sampling Date (most recent last)	Chromium Concentration (leave blank if no data)	TCE Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	7/24/2013	612.00	0.16				
2	8/9/2013	538.00	0.12				
3	11/21/2013	194.00	0.09				
4	2/28/2014	559.00	0.09				
5	5/20/2014	237.00	0.08				
6	9/11/2014	691.00	0.12				
7	1/14/2015	176.00	0.06				
8	5/7/2015	675.00	0.12				
9	7/15/2015	471.00	0.10				
10							
	Mann Kendall Statistic (S) =	-2.0	-12.0	0.0	0.0	0.0	0.0
	Number of Rounds (n) =	9	9	0	0	0	0
	Average =	461.44	0.10	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Standard Deviation =	206.100	0.030	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Coefficient of Variation(CV)=	0.447	0.285	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Error Check, Blank if No Errors Detected				n<4	n<4	n<4	n<4
Trend ≥ 80% Confidence Level		No Trend	**DECREASING**	n<4	n<4	n<4	n<4
Trend ≥ 90% Confidence Level		No Trend	No Trend	n<4	n<4	n<4	n<4
Stability Test, If No Trend Exists at		**CV <= 1**		n<4	n<4	n<4	n<4
80% Confidence Level		**STABLE**	NA	n<4	n<4	n<4	n<4

Data Entry By =	A.V.	Date =	27-Jul-15	Checked By =	J.B.



Chromium speciation.

= approximate observed onsite ranges

TABLE 1A
SUMMARY OF SOIL SAMPLE TPH RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	Tier 1 Residential		Critical PCL	BALLAST MATERIAL				NORTH STORAGE AREA									NORTH STORAGE			
					BS-01	BS-02	BS-03	BS-04	ST-01	ST-02	ST-03	STSB-01	STSB-01	STSB-02	STSB-02	STSB-03	STSB-04	STSB-05	STSB-06	STSB-07	STSB-09
Sample Depth Interval (ft-bgs)		$^{Tot}Soil_{Comb}$ PCL	$^{GW}Soil_{Ing}$ PCL		GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	1-3	13-15	2-4	13-15	1-3	1-3	1-3	2-4	1-3	1-3
Date Sampled:					10/8/2010	11/18/2010	11/18/2010	11/18/2010	10/12/2010	10/12/2010	10/12/2010	2/24/2011	2/24/2011	2/24/2011	2/24/2011	2/24/2011	2/24/2011	2/24/2011	2/24/2011	2/25/2011	2/25/2011
Total Petroleum Hydrocarbons (TPH) TX1005		(mg/kg)	(mg/kg)	(mg/kg)	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q
TPH (C6-C12)	TPH-1005-1	1.6E+03	6.5E+01	6.5E+01	<18	<19	<22	<19	<21	<1000	<20	**510**	36 J	<22	<17	<21	<18	<19	<18	<18	38 J
TPH (>C12-C28)	TPH-1005-2	2.3E+03	2.0E+02	2.0E+02	<18	160	<22	73	<21	**37000**	**260**	**3,300**	**740**	<22	<17	<21	26 J	<19	<18	<18	**830**
TPH (>C28-C35)	TPH-1005-4	2.3E+03	2.0E+02	2.0E+02	<18	<19	<22	<19	<21	**6300**	**260**	**790**	84	<22	<17	<21	48 J	<19	<18	<18	**510**
TPH (C6-C35)	NE	NE	NE	NE	<18	160	<21.6	73	<21	43300	520	4,600	860	<22	<17	<21	74	<19	<18	<18	1,380
Total Petroleum Hydrocarbons (TPH) TX1006																					
TPH C6 Aliphatics	NE	3.30E+03	1.71E+02	1.7E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<6.1 n
TPH C6-C8 Aliphatics	NE	3.30E+03	4.21E+02	4.2E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<6.1 n
TPH C8-C10 Aliphatics	NE	4.00E+03	3.59E+03	3.6E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<6.1 n
TPH C10-C12 Aliphatics	NE	3.60E+03	2.53E+04	3.6E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	33 n
TPH C12-C16 Aliphatics	NE	4.30E+03	4.93E+05	4.3E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	150 n
TPH C16-C21 Aliphatics	NE	1.33E+05	1.00E+06	1.3E+05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	64 n
TPH C21-C35 Aliphatics	NE	1.07E+05	1.00E+06	1.1E+05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	600 n
TPH C6-C35 Aliphatics	NE	NE	NE	NE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	73 n
TPH C7-C8 Aromatics	NE	6.40E+03	2.01E+01	2.0E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<6.1 n
TPH C8-C10 Aromatics	NE	1.60E+03	6.50E+01	6.5E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<6.1 n
TPH C10-C12 Aromatics	NE	1.90E+03	1.00E+02	1.0E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	9.3 n
TPH C12-C16 Aromatics	NE	2.30E+03	2.00E+02	2.0E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	58 n
TPH C16-C21 Aromatics	NE	1.90E+03	4.70E+02	4.7E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	16 n
TPH C21-C35 Aromatics	NE	1.90E+03	3.70E+03	1.9E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	240 n
C6-C35 Aromatics	NE	NE	NE	NE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	27 n

Notes:
NE - Not Established
ft-bgs: feet below ground surface
$^{Tot}Soil_{Comb}$ PCL: TRRP Tier 1 PCL for exposure through a combination of soil ingestion, dermal contact, inhalation and vegetation consumption
$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that could be
J - Analyte detected below quantitation limit
n - Not offered for accreditation
- Subsurface Soils

TABLE 1A
SUMMARY OF SOIL SAMPLE TPH RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	Tier 1 Residential		Critical PCL	AREA			DEPARTMENT 3 & 6													
		$^{Tot}Soil_{Comb}$ PCL	$^{GW}Soil_{Ing}$ PCL		STSB-09	STSB-12	STSB-13	DEPT3HP-1	DEPT3HP-2	DEPT3HP-3	DEPT3HP-4	DEPT3HP-5	DEPT3HP-6	DEPT3SB-01	DEPT3SB-02	DEPT3SB-02	DEPT3SB-03	DEPT3SB-04	DEPT3SB-05	DEPT3SB-05	DEPT3SB-06
Sample Depth Interval (ft-bgs)					13-15	1-3	1-3	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	2-4	2-4	13-15	2-4	2-4	2-4	13-15	2-4
Date Sampled:					2/25/2011	6/15/2011	6/15/2011	10/15/2010	10/15/2010	10/15/2010	10/15/2010	10/15/2010	10/15/2010	2/24/2011	2/24/2011	2/24/2011	2/24/2011	2/24/2011	2/24/2011	2/24/2011	2/24/2011
Total Petroleum Hydrocarbons (TPH) TX1005		(mg/kg)	(mg/kg)	(mg/kg)	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q
TPH (C6-C12)	TPH-1005-1	1.6E+03	6.5E+01	6.5E+01	<18	<17	<17	870 J	<16	<16	120	2600 J	<16	36 J	<89	23 J	<18	<18	100 J	<19	<18
TPH (>C12-C28)	TPH-1005-2	2.3E+03	2.0E+02	2.0E+02	<18	<17	<17	19000	18	<16	1300	55000	<16	250	4100	180	<18	270	1,200	23 J	42 J
TPH (>C28-C35)	TPH-1005-4	2.3E+03	2.0E+02	2.0E+02	<18	<17	<17	4200	<16	<16	920	6900	<16	49 J	520	20 J	<18	37 J	350	<19	100
TPH (C6-C35)	NE	NE	NE	NE	<18	<17	<17	24100	18	<16	2340	64500	<15.6	335	4620	223	<18	307	1,650	23 J	142
Total Petroleum Hydrocarbons (TPH) TX1006																					
TPH C6 Aliphatics	NE	3.30E+03	1.71E+02	1.7E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.9 n	---	---	---
TPH C6-C8 Aliphatics	NE	3.30E+03	4.21E+02	4.2E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.9 n	---	---	---
TPH C8-C10 Aliphatics	NE	4.00E+03	3.59E+03	3.6E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.9 n	---	---	---
TPH C10-C12 Aliphatics	NE	3.60E+03	2.53E+04	3.6E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.9 n	---	---	---
TPH C12-C16 Aliphatics	NE	4.30E+03	4.93E+05	4.3E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	140 n	---	---	---
TPH C16-C21 Aliphatics	NE	1.33E+05	1.00E+06	1.3E+05	---	---	---	---	---	---	---	---	---	---	---	---	---	27 n	---	---	---
TPH C21-C35 Aliphatics	NE	1.07E+05	1.00E+06	1.1E+05	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.9 n	---	---	---
TPH C6-C35 Aliphatics	NE	NE	NE	NE	---	---	---	---	---	---	---	---	---	---	---	---	---	167 n	---	---	---
TPH C7-C8 Aromatics	NE	6.40E+03	2.01E+01	2.0E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.9 n	---	---	---
TPH C8-C10 Aromatics	NE	1.60E+03	6.50E+01	6.5E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.9 n	---	---	---
TPH C10-C12 Aromatics	NE	1.90E+03	1.00E+02	1.0E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.9 n	---	---	---
TPH C12-C16 Aromatics	NE	2.30E+03	2.00E+02	2.0E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	120 n	---	---	---
TPH C16-C21 Aromatics	NE	1.90E+03	4.70E+02	4.7E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	22 n	---	---	---
TPH C21-C35 Aromatics	NE	1.90E+03	3.70E+03	1.9E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.9 n	---	---	---
C6-C35 Aromatics	NE	NE	NE	NE	---	---	---	---	---	---	---	---	---	---	---	---	---	142 n	---	---	---

Notes:
NE - Not Established
ft-bgs: feet below ground surface
$^{Tot}Soil_{Comb}$ PCL: TRRP Tier 1 PCL for exposure through a combination of soil ingestion, dermal contact, inhalation and vegetation consumption
$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that could be
J - Analyte detected below quantitation limit
n - Not offered for accreditation
- Subsurface Soils

TABLE 1A
SUMMARY OF SOIL SAMPLE TPH RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	Tier 1 Residential		Critical PCL	DEPARTMENT 3 & 6						WPA	FORGE SHOP NORTH										
		$^{Tot}Soil_{Comb}$ PCL	$^{GW}Soil_{Ing}$ PCL		DEPT6HP-1	DEPT6HP-2	DEPT6SB-01	DEPT6SB-02	DEPT6SB-03	DEPT6SB-04	CTSB-07	HP4-SW	HP5SB-01	HP8-SWEW	SS6 BTM	SS7 SW	TR-01	HP9-SWWW	HP9-NWEW	HP9-BTM	HP09SB-01	HP09SB-0
Sample Depth Interval (ft-bgs)					GRAB	GRAB	2-4	2-4	2-4	2-4	4-6	GRAB	4-6	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	4-6	4-6
Date Sampled:					10/15/2010	10/15/2010	2/24/2011	2/24/2011	2/24/2011	2/24/2011	2/25/2011	10/26/2010	2/28/2011	10/27/2010	11/5/2010	11/5/2010	11/9/2010	11/9/2010	11/9/2010	11/9/2010	2/28/2011	2/28/2011
Total Petroleum Hydrocarbons (TPH) TX1005		(mg/kg)	(mg/kg)	(mg/kg)	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg)
TPH (C6-C12)	TPH-1005-1	1.6E+03	6.5E+01	6.5E+01	<16	870	<18	<18	<18	<18	<18	<19	<18	>20	<20	<20	<21	140	<21	<20	<17	<17
TPH (>C12-C28)	TPH-1005-2	2.3E+03	2.0E+02	2.0E+02	28 J	3100	<18	<18	<18	<18	21 J	<19	<18	<20	130	<20	<21	2100	2200	20 J	<17	690
TPH (>C28-C35)	TPH-1005-4	2.3E+03	2.0E+02	2.0E+02	<16	1100	<18	<18	29 J	<18	<18	<19	<18	<20	150	43 J	<21	430	4400	34 J	<17	200
TPH (C6-C35)	NE	NE	NE	NE	28 J	5070	<18	<18	29 J	<18	21 J	<19	<18	<20	280	43 J	<21	2670	6600	54 J	<17	890
Total Petroleum Hydrocarbons (TPH) TX1006																						
TPH C6 Aliphatics	NE	3.30E+03	1.71E+02	1.7E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C6-C8 Aliphatics	NE	3.30E+03	4.21E+02	4.2E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C8-C10 Aliphatics	NE	4.00E+03	3.59E+03	3.6E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C10-C12 Aliphatics	NE	3.60E+03	2.53E+04	3.6E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C12-C16 Aliphatics	NE	4.30E+03	4.93E+05	4.3E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C16-C21 Aliphatics	NE	1.33E+05	1.00E+06	1.3E+05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C21-C35 Aliphatics	NE	1.07E+05	1.00E+06	1.1E+05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C6-C35 Aliphatics	NE	NE	NE	NE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C7-C8 Aromatics	NE	6.40E+03	2.01E+01	2.0E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C8-C10 Aromatics	NE	1.60E+03	6.50E+01	6.5E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C10-C12 Aromatics	NE	1.90E+03	1.00E+02	1.0E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C12-C16 Aromatics	NE	2.30E+03	2.00E+02	2.0E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C16-C21 Aromatics	NE	1.90E+03	4.70E+02	4.7E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C21-C35 Aromatics	NE	1.90E+03	3.70E+03	1.9E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
C6-C35 Aromatics	NE	NE	NE	NE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
NE - Not Established
ft-bgs: feet below ground surface
$^{Tot}Soil_{Comb}$ PCL: TRRP Tier 1 PCL for exposure through a combination of soil ingestion, dermal contact, inhalation and vegetation consumption
$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that could be
J - Analyte detected below quantitation limit
n - Not offered for accreditation
- Subsurface Soils

TABLE 1A
SUMMARY OF SOIL SAMPLE TPH RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	Tier 1 Residential		Critical PCL		FORGE SHOP SOUTH																		
		$^{Tot}Soil_{Comb}$ PCL	$^{GW}Soil_{Ing}$ PCL		2	HP09SB-03	HP09SB-04	HP10-SWWW	HP10-NWEW	HP10-BTM	HP10TR-1	HP10SB-03	HP11-SWEW	HP11-NWWW	HP11-BTM	HP11SB-01	HP11SB-02	HP11SB-03	HP11SB-04	HP11SB-05	CO1-BTM	CO1-NWEW	CO1-SWW
Sample Depth Interval (ft-bgs)						4-6	4-6	GRAB	GRAB	GRAB	GRAB	6-8	GRAB	GRAB	GRAB	2-4	2-4	2-4	2-4	2-4	GRAB	GRAB	GRAB
Date Sampled:						2/28/2011	6/15/2011	11/9/2010	11/9/2010	11/9/2010	11/9/2010	2/28/2011	11/9/2010	11/9/2010	11/9/2010	2/25/2011	2/25/2011	2/25/2011	2/25/2011	2/25/2011	11/10/2010	11/10/2010	11/10/201
Total Petroleum Hydrocarbons (TPH) TX1005		(mg/kg)	(mg/kg)	(mg/kg)	Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg)
TPH (C6-C12)	TPH-1005-1	1.6E+03	6.5E+01	6.5E+01		<17	<18	<19	<21	<19	<21	<18	<110	<96	58 J	<17	<17	<18	<16	<17	<450	<96	<520
TPH (>C12-C28)	TPH-1005-2	2.3E+03	2.0E+02	2.0E+02		280	<18	36	51 J	1000	<21	<18	3400	1700	1600	<17	<17	<18	<16	<17	11000	1700	11000
TPH (>C28-C35)	TPH-1005-4	2.3E+03	2.0E+02	2.0E+02		250	<18	<19	41 J	120	<21	<18	2300	1800	1400	<17	<17	<18	<16	<17	1900	<96	580
TPH (C6-C35)	NE	NE	NE	NE		530	<18	36	92	1120	<20.7	<18	5700	3500	3060	<17	<17	<18	<16	<17	12900	1700	11600
Total Petroleum Hydrocarbons (TPH) TX1006																							
TPH C6 Aliphatics	NE	3.30E+03	1.71E+02	1.7E+02		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C6-C8 Aliphatics	NE	3.30E+03	4.21E+02	4.2E+02		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C8-C10 Aliphatics	NE	4.00E+03	3.59E+03	3.6E+03		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C10-C12 Aliphatics	NE	3.60E+03	2.53E+04	3.6E+03		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C12-C16 Aliphatics	NE	4.30E+03	4.93E+05	4.3E+03		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C16-C21 Aliphatics	NE	1.33E+05	1.00E+06	1.3E+05		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C21-C35 Aliphatics	NE	1.07E+05	1.00E+06	1.1E+05		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C6-C35 Aliphatics	NE	NE	NE	NE		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C7-C8 Aromatics	NE	6.40E+03	2.01E+01	2.0E+01		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C8-C10 Aromatics	NE	1.60E+03	6.50E+01	6.5E+01		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C10-C12 Aromatics	NE	1.90E+03	1.00E+02	1.0E+02		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C12-C16 Aromatics	NE	2.30E+03	2.00E+02	2.0E+02		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C16-C21 Aromatics	NE	1.90E+03	4.70E+02	4.7E+02		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C21-C35 Aromatics	NE	1.90E+03	3.70E+03	1.9E+03		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
C6-C35 Aromatics	NE	NE	NE	NE		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
NE - Not Established
ft-bgs: feet below ground surface
$^{Tot}Soil_{Comb}$ PCL: TRRP Tier 1 PCL for exposure through a combination of soil ingestion, dermal contact, inhalation and vegetation consumption
$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that could be
J - Analyte detected below quantitation limit
n - Not offered for accreditation
- Subsurface Soils

TABLE 1A
SUMMARY OF SOIL SAMPLE TPH RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	Tier 1 Residential		Critical PCL	HEAT TREAT AREA																		HEAT TREAT AREA
		$^{Tot}Soil_{Comb}$ PCL	$^{GW}Soil_{Ing}$ PCL		W	CO2-BTM	CO2-SWWW	CO2-EW	CO3-BTM	CO3-NWEW	C03-WW	CO4-BTM	CO4-NWEW	CO4-SWSW	CO4-NWEW	CT1-BTM	CT1-SWW	CT1-SWE	HTSB-01	HTSB-02	HTSB-03	HTSB-04
Sample Depth Interval (ft-bgs)						GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	2-4	2-4	4-6	6-8
Date Sampled:						11/10/2010	11/10/2010	11/10/2010	11/10/2010	11/10/2010	11/10/2010	11/10/2010	11/10/2010	11/10/2010	11/10/2010	11/9/2010	11/9/2010	11/9/2010	2/28/2011	2/28/2011	2/28/2011	3/1/2011
Total Petroleum Hydrocarbons (TPH) TX1005		(mg/kg)	(mg/kg)	(mg/kg)	Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q
TPH (C6-C12)	TPH-1005-1	1.6E+03	6.5E+01	6.5E+01		<200	<99	<190	<190	<200	<190	<22	<20	<19	<20	<20	<1900	<99	<18	<17	<18	<18
TPH (>C12-C28)	TPH-1005-2	2.3E+03	2.0E+02	2.0E+02		5900	4400	6800	7200	6000	4400	<22	<20	390	<20	76	49000	2600	<18	<17	<18	1,500
TPH (>C28-C35)	TPH-1005-4	2.3E+03	2.0E+02	2.0E+02		320	230	270 J	470 J	470	<190	<22	<20	27 J	<20	<20	2300	130 J	<18	<17	<18	170 J
TPH (C6-C35)	NE	NE	NE	NE		6220	4630	7070	7670	6470	4400	<22	<20	417	<20	76	51300	2730	<18	<17	<18	1670
Total Petroleum Hydrocarbons (TPH) TX1006																						
TPH C6 Aliphatics	NE	3.30E+03	1.71E+02	1.7E+02		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C6-C8 Aliphatics	NE	3.30E+03	4.21E+02	4.2E+02		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C8-C10 Aliphatics	NE	4.00E+03	3.59E+03	3.6E+03		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C10-C12 Aliphatics	NE	3.60E+03	2.53E+04	3.6E+03		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C12-C16 Aliphatics	NE	4.30E+03	4.93E+05	4.3E+03		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C16-C21 Aliphatics	NE	1.33E+05	1.00E+06	1.3E+05		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C21-C35 Aliphatics	NE	1.07E+05	1.00E+06	1.1E+05		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C6-C35 Aliphatics	NE	NE	NE	NE		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C7-C8 Aromatics	NE	6.40E+03	2.01E+01	2.0E+01		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C8-C10 Aromatics	NE	1.60E+03	6.50E+01	6.5E+01		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C10-C12 Aromatics	NE	1.90E+03	1.00E+02	1.0E+02		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C12-C16 Aromatics	NE	2.30E+03	2.00E+02	2.0E+02		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C16-C21 Aromatics	NE	1.90E+03	4.70E+02	4.7E+02		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH C21-C35 Aromatics	NE	1.90E+03	3.70E+03	1.9E+03		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
C6-C35 Aromatics	NE	NE	NE	NE		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
NE - Not Established
ft-bgs: feet below ground surface
$^{Tot}Soil_{Comb}$ PCL: TRRP Tier 1 PCL for exposure through a combination of soil ingestion, dermal contact, inhalation and vegetation consumption
$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that could be
J - Analyte detected below quantitation limit
n - Not offered for accreditation
- Subsurface Soils

TABLE 1A
SUMMARY OF SOIL SAMPLE TPH RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	Tier 1 Residential		Critical PCL																							
		$^{Tot}Soil_{Comb}$ PCL	$^{GW}Soil_{Ing}$ PCL		HTSB-05		HTSB-06		HTSB-07		HTSB-08		HTSB-08		HTSB-09		HTSB-10		HTSB-11		HTSB-12		FD-01	
Sample Depth Interval (ft-bgs)					6-8		6-8		6-8		6-8		13-15		6-8		6-8		6-8		6-8			
Date Sampled:					3/1/2011		3/1/2011		3/1/2011		3/1/2011		3/1/2011		3/1/2011		3/1/2011		3/1/2011		6/15/2011		2/24/2011	
Total Petroleum Hydrocarbons (TPH) TX1005		(mg/kg)	(mg/kg)	(mg/kg)	Result (mg/kg)	Q	Result (mg/kg)	Q	Result (mg/kg)	Q	Result (mg/kg)	Q	Result (mg/kg)	Q	Result (mg/kg)	Q	Result (mg/kg)	Q	Result (mg/kg)	Q	Result (mg/kg)	Q	Result (mg/kg)	Q
TPH (C6-C12)	TPH-1005-1	1.6E+03	6.5E+01	6.5E+01	<18		<18		<18		<18		<18		<18		<18		<18		<18		320	
TPH (>C12-C28)	TPH-1005-2	2.3E+03	2.0E+02	2.0E+02	<18		1,700		2,200		23,000		950		530		530		<18		4,300		2,100	
TPH (>C28-C35)	TPH-1005-4	2.3E+03	2.0E+02	2.0E+02	<18		170		96		1300	J	48	J	36	J	23	J	<18		220	J	350	
TPH (C6-C35)	NE	NE	NE	NE	<18		1870		2300		24,300		998		566		553		<18		4,520		2,770	
Total Petroleum Hydrocarbons (TPH) TX1006																								
TPH C6 Aliphatics	NE	3.30E+03	1.71E+02	1.7E+02	---		<5.9	n	<5.9	n	---		---		---		---		---		<5.9	n	---	
TPH C6-C8 Aliphatics	NE	3.30E+03	4.21E+02	4.2E+02	---		<5.9	n	<5.9	n	---		---		---		---		---		<5.9	n	---	
TPH C8-C10 Aliphatics	NE	4.00E+03	3.59E+03	3.6E+03	---		<5.9	n	<5.9	n	---		---		---		---		---		<5.9	n	---	
TPH C10-C12 Aliphatics	NE	3.60E+03	2.53E+04	3.6E+03	---		<5.9	n	<5.9	n	---		---		---		---		---		<5.9	n	---	
TPH C12-C16 Aliphatics	NE	4.30E+03	4.93E+05	4.3E+03	---		<5.9	n	<5.9	n	---		---		---		---		---		<5.9	n	---	
TPH C16-C21 Aliphatics	NE	1.33E+05	1.00E+06	1.3E+05	---		44	n	91	n	---		---		---		---		---		520	n	---	
TPH C21-C35 Aliphatics	NE	1.07E+05	1.00E+06	1.1E+05	---		130	n	310	n	---		---		---		---		---		1,400	n	---	
TPH C6-C35 Aliphatics	NE	NE	NE	NE	---		17	n	32	n	---		---		---		---		---		61	n	---	
TPH C7-C8 Aromatics	NE	6.40E+03	2.01E+01	2.0E+01	---		<5.9	n	<5.9	n	---		---		---		---		---		64	n	---	
TPH C8-C10 Aromatics	NE	1.60E+03	6.50E+01	6.5E+01	---		<5.9	n	<5.9	n	---		---		---		---		---		<5.9	n	---	
TPH C10-C12 Aromatics	NE	1.90E+03	1.00E+02	1.0E+02	---		<5.9	n	<5.9	n	---		---		---		---		---		<5.9	n	---	
TPH C12-C16 Aromatics	NE	2.30E+03	2.00E+02	2.0E+02	---		<5.9	n	<5.9	n	---		---		---		---		---		120	n	---	
TPH C16-C21 Aromatics	NE	1.90E+03	4.70E+02	4.7E+02	---		240	n	270	n	---		---		---		---		---		360	n	---	
TPH C21-C35 Aromatics	NE	1.90E+03	3.70E+03	1.9E+03	---		640	n	600	n	---		---		---		---		---		730	n	---	
C6-C35 Aromatics	NE	NE	NE	NE	---		83	n	68	n	---		---		---		---		---		39	n	---	

Notes:
NE - Not Established
ft-bgs: feet below ground surface
$^{Tot}Soil_{Comb}$ PCL: TRRP Tier 1 PCL for exposure through a combination of soil ingestion, dermal contact, inhalation and vegetation consumption
$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that could be
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n - Not offered for accreditation
- Subsurface Soils

TABLE 1B
SUMMARY OF SOIL SAMPLE VOC RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	Tier 1 Residential		Critical PCL	NORTH STORAGE AREA					DEPARTMENT 3 & 6			FORGE SHOPS										
		$^{Tot}Soil_{Comb}$ PCL	$^{GW}Soil_{Ing}$ PCL		ST-01	ST-02	ST-03	STSB-01	STSB-02	DEPT3HP-1	DEPT6HP-1	DEPT6HP-2	HP1-F	HP1-NWSW	HP1-SESW	HP2-F	HP2-NWSW	HP2-SFSW	HP3-F	HP3-NWSW	HP3-SESW	HP4-F	HP4-SW
Sample Interval					GRAB	GRAB	GRAB	13-15	13-15	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
Date Sampled:					10/12/2010	10/12/2010	10/12/2010	2/24/2011	2/24/2011	10/15/2010	10/15/2010	10/15/2010	10/26/2010	10/26/2010	10/26/2010	10/26/2010	10/26/2010	10/26/2010	10/26/2010	10/26/2010	10/26/2010	10/26/2010	10/26/2010
Volatile Organic Compounds (SW846 8260B)		(mg/kg)	(mg/kg)	(mg/kg)	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q
1,1,1-Trichloroethane	71-55-6	5.2E+04	1.6E+00	1.6E+00	<0.00067	<0.0066	<0.00065	<0.0059	<0.00058	<0.0025	<0.00050	<0.00050	<0.00064	<0.00062	<0.00063	<0.00060	<0.00064	<0.00061	<0.00070	<0.00066	<0.00061	<0.00059	<0.00060
1,1,2,2-Tetrachloroethane	79-34-5	3.0E+01	2.3E-02	2.3E-02	<0.00067	<0.0066	<0.00065	<0.0059	<0.00058	<0.0025	<0.00050	<0.00050	<0.00064	<0.00062	<0.00063	<0.00060	<0.00064	<0.00061	<0.00070	<0.00066	<0.00061	<0.00059	<0.00060
1,1,2-Trichlor-1,2,2-trifluoroethane	76-13-1	3.9E+05	8.0E+04	8.0E+04	<0.00080	<0.0080	<0.00077	<0.0070	<0.00069	<0.0030	<0.00060	<0.00060	<0.00077	<0.00074	<0.00076	<0.00072	<0.00077	<0.00073	<0.00085	<0.00079	<0.00073	<0.00070	<0.00072
1,1,2-Trichloroethane	79-00-5	1.8E+01	2.0E-02	2.0E-02	<0.0011	<0.011	<0.0010	<0.0094	<0.00093	<0.0040	<0.00080	<0.00080	<0.0010	<0.00099	<0.0010	<0.00096	<0.0010	<0.00097	<0.0011	<0.0011	<0.00097	<0.00094	<0.00097
1,1-Dichloroethane	75-34-3	1.1E+04	1.8E+01	1.8E+01	<0.00067	<0.0066	<0.00065	<0.0059	<0.00058	<0.0025	<0.00050	<0.00050	<0.00064	<0.00062	<0.00063	<0.00060	<0.00064	<0.00061	<0.00070	<0.00066	<0.00061	<0.00059	<0.00060
1,1-Dichloroethylene	75-35-4	2.3E+03	5.0E-02	5.0E-02	<0.0011	<0.011	<0.0010	<0.0094	<0.00093	<0.0040	<0.00080	<0.00080	<0.0010	<0.00099	<0.0010	<0.00096	<0.0010	<0.00097	<0.0011	<0.0011	<0.00097	<0.00094	<0.00097
1,2,4-Trichlorobenzene	120-82-1	1.2E+02	4.8E+00	4.8E+00	<0.00093	<0.0093	<0.00090	<0.0082	<0.00081	<0.0035	<0.00070	<0.00070	<0.00090	<0.00086	<0.00088	<0.00084	<0.00089	<0.00085	<0.00099	<0.00092	<0.00085	<0.00082	<0.00085
1,2-Dibromo-3-chloropropane	96-12-8	1.5E-01	1.7E-03	1.7E-03	<0.0025	<0.025	<0.0025	<0.022	<0.0022	<0.0095	<0.0019	<0.0019	<0.0025	<0.0023	<0.0024	<0.0023	<0.0024	<0.0023	<0.0027	<0.0025	<0.0023	<0.0022	<0.0023
1,2-Dibromoethane	106-93-4	7.3E-01	2.1E-04	2.1E-04	<0.00067	<0.0066	<0.00065	<0.0059	<0.00058	<0.0025	<0.00050	<0.00050	<0.00064	<0.00062	<0.00063	<0.00060	<0.00064	<0.00061	<0.00070	<0.00066	<0.00061	<0.00059	<0.00060
1,2-Dichlorobenzene	95-50-1	7.2E+02	1.8E+01	1.8E+01	<0.00067	<0.0066	<0.00065	<0.0059	<0.00058	<0.0025	<0.00050	<0.00050	<0.00064	<0.00062	<0.00063	<0.00060	<0.00064	<0.00061	<0.00070	<0.00066	<0.00061	<0.00059	<0.00060
1,2-Dichloroethane	107-06-2	1.1E+01	1.4E-02	1.4E-02	<0.00067	<0.0066	<0.00065	<0.0059	<0.00058	<0.0025	<0.00050	<0.00050	<0.00064	<0.00062	<0.00063	<0.00060	<0.00064	<0.00061	<0.00070	<0.00066	<0.00061	<0.00059	<0.00060
1,2-Dichloropropane	78-87-5	6.1E+01	2.3E-02	2.3E-02	<0.00093	<0.0093	<0.00090	<0.0082	<0.00081	<0.0035	<0.00070	<0.00070	<0.00090	<0.00086	<0.00088	<0.00084	<0.00089	<0.00085	<0.00099	<0.00092	<0.00085	<0.00082	<0.00085
1,3-Dichlorobenzene	541-73-1	1.2E+02	6.7E+00	6.7E+00	<0.00067	<0.0066	<0.00065	<0.0059	<0.00058	<0.0025	<0.00050	<0.00050	<0.00064	<0.00062	<0.00063	<0.00060	<0.00064	<0.00061	<0.00070	<0.00066	<0.00061	<0.00059	<0.00060
1,4-Dichlorobenzene	106-46-7	2.5E+02	2.1E+00	2.1E+00	<0.00067	<0.0066	<0.00065	<0.0059	<0.00058	<0.0025	<0.00050	<0.00050	<0.00064	<0.00062	<0.00063	<0.00060	<0.00064	<0.00061	<0.00070	<0.00066	<0.00061	<0.00059	<0.00060
2-Butanone	78-93-3	4.0E+04	2.9E+01	2.9E+01	<0.0025	<0.025	<0.0025	<0.022	<0.0022	<0.0095	0.0076 J	0.03	0.0059 J	0.004 J	<0.0024	<0.0023	<0.0024	<0.0023	0.0097 J	0.0092 J	<0.0023	<0.0022	0.0088 J
2-Hexanone	591-78-6	2.7E+02	3.2E-01	3.2E-01	<0.0015	<0.015	<0.0014	<0.013	<0.0013	<0.0055	<0.0011	<0.0011	<0.0014	<0.0014	<0.0014	<0.0013	<0.0014	<0.0013	<0.0015	<0.0015	<0.0013	<0.0013	<0.0013
4-Methyl-2-pentanone	108-10-1	5.9E+03	4.9E+00	4.9E+00	<0.0013	<0.013	<0.0013	<0.012	<0.0012	<0.0050	<0.0010	<0.0010	<0.0013	<0.0012	<0.0013	<0.0012	<0.0013	<0.0012	<0.0014	<0.0013	<0.0012	<0.0012	<0.0012
Acetone	67-64-1	6.6E+04	4.3E+01	4.3E+01	<0.0067	<0.066	<0.0065	<0.059	0.0059 J	0.12 J	0.041	0.1	0.048	0.059	0.041	0.01 J	0.042	0.024 J	0.022 J	0.052	0.045	0.011 J	0.077
Benzene	71-43-2	1.2E+02	2.6E-02	2.6E-02	<0.00067	<0.0066	<0.00065	<0.0059	<0.00058	<0.0025	<0.00050	<0.00050	0.00094 J	<0.00062	<0.00063	<0.00060	<0.00064	<0.00061	0.00082 J	<0.00066	<0.00061	<0.00059	<0.00060
Bromodichloromethane	75-27-4	9.8E+01	6.5E-02	6.5E-02	<0.00067	<0.0066	<0.00065	<0.0059	<0.00058	<0.0025	<0.00050	<0.00050	<0.00064	<0.00062	<0.00063	<0.00060	<0.00064	<0.00061	<0.00070	<0.00066	<0.00061	<0.00059	<0.00060
Bromoform	75-25-2	4.0E+02	6.3E-01	6.3E-01	<0.0011	<0.011	<0.0010	<0.0094	<0.00093	<0.0040	<0.00080	<0.00080	<0.0010	<0.00099	<0.0010	<0.00096	<0.0010	<0.00097	<0.0011	<0.0011	<0.00097	<0.00094	<0.00097
Bromomethane	74-83-9	4.6E+01	1.3E-01	1.3E-01	<0.0013	<0.013	<0.0013	<0.012	<0.0012	<0.0050	<0.0010	<0.0010	<0.0013	<0.0012	<0.0013	<0.0012	<0.0013	<0.0012	<0.0014	<0.0013	<0.0012	<0.0012	<0.0012
Carbon disulfide	75-15-0	4.6E+03	1.4E+01	1.4E+01	<0.0013	<0.013	<0.0013	<0.012	<0.0012	<0.0050	<0.0010	0.0071 J	<0.0013	<0.0012	<0.0013	<0.0012	<0.0013	<0.0012	0.0017 J	<0.0013	<0.0012	<0.0012	<0.0012
Carbon tetrachloride	56-23-5	3.5E+01	6.2E-02	6.2E-02	<0.00067	<0.0066	<0.00065	<0.0059	<0.00058	<0.0025	<0.00050	<0.00050	<0.00064	<0.00062	<0.00063	<0.00060	<0.00064	<0.00061	<0.00070	<0.00066	<0.00061	<0.00059	<0.00060
Chlorobenzene	108-90-7	5.2E+02	1.1E+00	1.1E+00	<0.00067	<0.0066	<0.00065	<0.0059	<0.00058	<0.0025	<0.00050	<0.00050	<0.00064	<0.00062	<0.00063	<0.00060	<0.00064	<0.00061	<0.00070	<0.00066	<0.00061	<0.00059	<0.00060
Chloroethane	75-00-3	2.7E+04	3.1E+01	3.1E+01	<0.0013	<0.013	<0.0013	<0.012	<0.0012	<0.0050	<0.0010	<0.0010	<0.0013	<0.0012	<0.0013	<0.0012	<0.0013	<0.0012	<0.0014	<0.0013	<0.0012	<0.0012	<0.0012
Chloroform	67-66-3	1.6E+01	1.0E+00	1.0E+00	<0.00067	<0.0066	<0.00065	<0.0059	<0.00058	<0.0025	<0.00050	<0.00050	<0.00064	<0.00062	<0.00063	<0.00060	<0.00064	<0.00061	<0.00070	<0.00066	<0.00061	<0.00059	<0.00060
Chloromethane	74-87-3	1.4E+02	4.1E-01	4.1E-01	<0.0013	<0.013	<0.0013	<0.012	<0.0012	<0.0050	<0.0010	<0.0010	<0.0013	<0.0012	<0.0013	<0.0012	<0.0013	<0.0012	<0.0014	<0.0013	<0.0012	<0.0012	<0.0012
cis-1,2-Dichloroethene	156-59-2	1.4E+02	2.5E-01	2.5E-01	<0.00080	<0.0080	<0.00077	<0.0070	<0.00069	<0.0030	<0.00060	<0.00060	<0.00077	<0.00074	<0.00076	<0.00072	<0.00077	<0.00073	<0.00085	<0.00079	<0.00073	<0.00070	<0.00072
cis-1,3-Dichloropropene	10061-01-5	8.0E+00	6.6E-03	6.6E-03	<0.00067	<0.0066	<0.00065	<0.0059	<0.00058	<0.0025	<0.00050	<0.00050	<0.00064	<0.00062	<0.00063	<0.00060	<0.00064	<0.00061	<0.00070	<0.00066	<0.00061	<0.00059	<0.00060
Cyclohexane	110-82-7	7.5E+04	5.9E+03	5.9E+03	<0.00067 n	<0.0066 n	<0.00065 n	<0.0059 n	<0.00058 n	<0.0025 n	<0.00050 n	<0.00050 n	<0.00064 n	<0.00062 n	<0.00063 n	<0.00060 n	<0.00064 n	<0.00061 n	<0.00070 n	<0.00066 n	<0.00061 n	<0.00059 n	<0.00060 n
Dibromochloromethane	124-48-1	7.2E+01	4.9E-02	4.9E-02	<0.00080	<0.0080	<0.00077	<0.0070	<0.00069	<0.0030	<0.00060	<0.00060	<0.00077	<0.00074	<0.00076	<0.00072	<0.00077	<0.00073	<0.00085	<0.00079	<0.00073	<0.00070	<0.00072
Dichlorodifluoromethane	75-71-8	1.4E+03	2.4E+02	2.4E+02	<0.0011	<0.011	<0.0010	<0.0094	<0.00093	<0.0040	<0.00080	<0.00080	<0.0010	<0.00099	<0.0010	<0.00096	<0.0010	<0.00097	<0.0011	<0.0011	<0.00097	<0.00094	<0.00097
Dichloromethane	75-09-2	3.9E+02	1.3E-02	1.3E-02	<0.0019	<0.019	<0.0018	<0.016	<0.0016	<0.0070	0.0016 J	<0.0014	0.0056 J	0.0036 J	0.002 J	<0.0017	<0.0018	<0.0017	<0.0020	0.0021 J	<0.0017	0.0017 J	<0.0017
Ethylbenzene	100-41-4	6.4E+03	7.6E+00	7.6E+00	<0.00067	<0.0066	<0.00065	0.013 J	<0.00058	<0.0025	<0.00050	0.011	<0.00064	<0.00062	<0.00063	<0.00060	<0.00064	<0.00061	<0.00070	<0.00066	<0.00061	<0.00059	<0.00060
Isopropylbenzene	98-82-8	4.3E+03	3.5E+02	3.5E+02	<0.00067	<0.0066	<0.00065	<0.0059	<0.00058	0.019 J	0.0024 J	0.0093	<0.00064	<0.00062	<0.00063	<0.00060	<0.00064	<0.00061	<0.00070	<0.00066	<0.00061	<0.00059	<0.00060
Methyl acetate	79-20-9	8.2E+04	4.9E+01	4.9E+01	<0.0016	<0.016	<0.0015	<0.014	<0.0014	<0.0060	<0.0012	<0.0012	<0.0015	<0.0015	<0.0015	<0.0014	<0.0015	<0.0015	<0.0017	<0.0016	<0.0015	<0.0014	<0.0014
Methyl tert-butyl ether	1634-04-4	8.0E+02	6.2E-01	6.2E-01	<0.00067	<0.0066	<0.00065	<0.0059	<0.00058	<0.0025	<0.00050	<0.00050	<0.00064	<0.00062	<0.00063	<0.00060	<0.00064	<0.00061	<0.00070	<0.00066	<0.00061	<0.00059	<0.00060
Methylcyclohexane	108-87-2	4.1E+04	1.6E+04	1.6E+04	<0.00080	<0.0080	<0.00077	<0.0070	<0.00069	<0.0030	<0.00060	0.0068	<0.00077	<0.00074	<0.00076	<0.00072	<0.00077	<0.00073	<0.00085	<0.00079	<0.00073	<0.00070	<0.00072
Styrene	100-42-5	6.7E+03	3.3E+00	3.3E+00	<0.00067	<0.0066	<0.00065	<0.0059	<0.00058	<0.0025	<0.00050	<0.00050	<0.00064	<0.00062	<0.00063	<0.00060	<0.00064	<0.00061	<0.00070	<0.00066	<0.00061	<0.00059	<0.00060
Tetrachloroethene	127-18-4	1.0E+02	5.0E-02	5.0E-02	<0.00080	<0.0080	<0.00077	<0.0070	<0.00069	<0.0030	<0.00060	<0.00050	<0.00077	<0.00074	<0.00076	<0.00072	<0.00077	<0.00073	<0.00085	<0.00079	<0.00073	<0.00070	<0.00072
Toluene	108-88-3	5.9E+03	8.2E+00	8.2E+00	<0.00067	<0.0066	<0.00065	<0.0059	<0.00058	<0.0025	<0.00050	<0.00060	<0.00064	<0.00062	<0.00063	<0.00060	<0.00064	<0.00061	<0.00070	<0.00066	<0.00061	<0.00059	<0.00060
trans-1,2-Dichloroethene	156-60-5	5.9E+02	4.9E-01	4.9E-01	<0.00067	<0.0066	<0.00065	<0.0059	<0.00058	<0.0025	<0.00050	<0.00050	<0.00064	<0.00062	<0.00063	<0.00060	<0.00064	<0.00061	<0.00070	<0.00066	<0.00061	<0.00059	<0.00060
trans-1,3-Dichloropropene	10061-02-6	3.6E+01	3.6E-02	3.6E-02	<0.00067	<0.0066	<0.00065	<0.0059	<0.00058	<0.0025	<0.00050	<0.00050	<0.00064	<0.00062	<0.00063	<0.00060	<0.00064	<0.00061	<0.00070	<0.00066	<0.00061	<0.00059	<0.00060
Trichloroethene	79-01-6	1.2E+02	3.4E-02	3.4E-02	<0.00067	<0.0066	<0.00065	<0.0059	<0.00058	<0.0025	<0.00050	<0.00050	<0.00064	<0.00062	<0.00063	<0.00060	<0.00064	<0.00061	<0.00070	<0.00066	<0.00061	<0.00059	<0.00060
Trichlorofluoromethane	75-69-4	2.5E+04	1.3E+02	1.3E+02	<0.00067	<0.0066	<0.00065	<0.0059	<0.00058	<0.0025	<0.00050	<0.00050	<0.00064	<0.00062	<0.00063	<0.00060	<0.00064	<0.00061	<0.00070	<0.00066	<0.00061	<0.00059	<0.00060
Vinyl chloride	75-01-4	3.7E+00	2.2E-02	2.2E-02	<0.0013	<0.013	<0.0013	<0.012	<0.0012	<0.0050	<0.0010	<0.0010	<0.0013	<0.0012	<0.0013	<0.0012	<0.0013	<0.0012	<0.0014	<0.0013	<0.0012	<0.0012	<0.0012
Xylene (total)	1330-20-7	6.0E+03	1.2E+02	1.2E+02	<0.0013	<0.013	<0.0013	<0.012	<0.0012	<0.0050	<0.0010	<0.0010	<0.0013	<0.0012	<0.0013	<0.0012	<0.0013	<0.0012	<0.0014	<0.0013	<0.0012	<0.0012	<0.0012

Notes:
ft-bgs: feet below ground surface
mg/kg: milligrams per kilogram

$^{Tot}Soil_{Comb}$ PCL: TRRP Tier 1 PCL for exposure through a combination of soil ingestion, dermal contact, inhalation and vegetation consumption (Residential/ 0.5 acre)

$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that could be ingested (Residential/ 0.5 acre)
J - Analyte detected below quantitation limit
n - not offered for accreditation

TABLE 1B
SUMMARY OF SOIL SAMPLE VOC RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	Tier 1 Residential		Critical PCL	FORGE SHOPS															WPA					HEAT TREAT
		$^{Tot}Soil_{Comb}$ PCL	$^{GW}Soil_{Ing}$ PCL		HP5-F	HP5-NWWW	HP5-SWEW	HP6-F	HP6-NESW	HP6-SWSW	HP8-NWWW	HP8-SWEW	HP7-F	HP7-NE	HP7-SW	HP8-F	SS4BTM	SS5SEW	HP10SB-03	CT-1 FLOOR	CT-3 FLOOR	CT-2 FLOOR 1	CT-2 FLOOR 2	MW-06	HTSB-07
Sample Interval					GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	6-8	GRAB	GRAB	GRAB	GRAB	31-32	6-8
Date Sampled:					10/27/2010	10/27/2010	10/27/2010	10/26/2010	10/26/2010	10/26/2010	10/27/2010	10/27/2010	10/28/2010	10/28/2010	10/28/2010	10/28/2010	11/1/2010	11/1/2010	2/28/2011	11/12/2010	11/12/2010	11/12/2010	11/12/2010	4/27/2011	3/1/2011
Volatile Organic Compounds (SW846 8260B)		(mg/kg)	(mg/kg)	(mg/kg)	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q
1,1,1-Trichloroethane	71-55-6	5.2E+04	1.6E+00	1.6E+00	<0.00071	<0.00062	<0.00069	<0.00061	<0.00060	<0.00059	<0.00060	<0.00062	<0.00061	<0.00063	<0.00059	<0.00058	<0.00050	<0.00050	<0.00061	<0.00050	<0.00050	<0.00050	<0.00050	---	<0.00060
1,1,2,2-Tetrachloroethane	79-34-5	3.0E+01	2.3E-02	2.3E-02	<0.00071	<0.00062	<0.00069	<0.00061	<0.00060	<0.00059	<0.00060	<0.00062	<0.00061	<0.00063	<0.00059	<0.00058	<0.00050	<0.00050	<0.00061	<0.00050	<0.00050	<0.00050	<0.00050	---	<0.00060
1,1,2-Trichlor-1,2,2-trifluoroethane	76-13-1	3.9E+05	8.0E+04	8.0E+04	<0.00085	<0.00074	<0.00083	<0.00073	<0.00072	<0.00071	<0.00072	<0.00075	<0.00073	<0.00076	<0.00071	<0.00069	<0.00060	<0.00060	<0.00073	<0.00060	<0.00060	<0.00060	<0.00060	---	<0.00095
1,1,2-Trichloroethane	79-00-5	1.8E+01	2.0E-02	2.0E-02	<0.0011	<0.00099	<0.0011	<0.00097	<0.00096	<0.00095	<0.00095	<0.00100	<0.00097	<0.0010	<0.00094	<0.00092	<0.00080	<0.00080	<0.00097	<0.00080	<0.00080	<0.00080	<0.00080	---	<0.00060
1,1-Dichloroethane	75-34-3	1.1E+04	1.8E+01	1.8E+01	<0.00071	<0.00062	<0.00069	<0.00061	<0.00060	<0.00059	<0.00060	<0.00062	<0.00061	<0.00063	<0.00059	<0.00058	<0.00050	<0.00050	<0.00061	<0.00050	<0.00050	<0.00050	<0.00050	---	<0.00095
1,1-Dichloroethylene	75-35-4	2.3E+03	5.0E-02	5.0E-02	<0.0011	<0.00099	<0.0011	<0.00097	<0.00096	<0.00095	<0.00095	<0.00100	<0.00097	<0.0010	<0.00094	<0.00092	<0.00080	<0.00080	<0.00097	<0.00080	<0.00080	<0.00080	<0.00080	---	<0.00060
1,2,4-Trichlorobenzene	120-82-1	1.2E+02	4.8E+00	4.8E+00	<0.00099	<0.00086	<0.00097	<0.00085	<0.00084	<0.00083	<0.00083	<0.00087	<0.00085	<0.00089	<0.00082	<0.00081	<0.00070	<0.00070	<0.00085	<0.00070	<0.00070	<0.00070	<0.00070	---	<0.00084
1,2-Dibromo-3-chloropropane	96-12-8	1.5E-01	1.7E-03	1.7E-03	<0.0027	<0.0023	<0.0026	<0.0023	<0.0023	<0.0023	<0.0023	<0.0024	<0.0023	<0.0024	<0.0022	<0.0022	<0.0019	<0.0019	<0.0023	<0.0019	<0.0019	<0.0019	<0.0019	---	<0.0023
1,2-Dibromoethane	106-93-4	7.3E-01	2.1E-04	2.1E-04	<0.00071	<0.00062	<0.00069	<0.00061	<0.00060	<0.00059	<0.00060	<0.00062	<0.00061	<0.00063	<0.00059	<0.00058	<0.00050	<0.00050	<0.00061	<0.00050	<0.00050	<0.00050	<0.00050	---	<0.0013
1,2-Dichlorobenzene	95-50-1	7.2E+02	1.8E+01	1.8E+01	<0.00071	<0.00062	<0.00069	<0.00061	<0.00060	<0.00059	<0.00060	<0.00062	<0.00061	<0.00063	<0.00059	<0.00058	<0.00050	<0.00050	<0.00061	<0.00050	<0.00050	<0.00050	<0.00050	---	<0.0012
1,2-Dichloroethane	107-06-2	1.1E+01	1.4E-02	1.4E-02	<0.00071	<0.00062	<0.00069	<0.00061	<0.00060	<0.00059	<0.00060	<0.00062	<0.00061	<0.00063	<0.00059	<0.00058	<0.00050	<0.00050	<0.00061	<0.00050	<0.00050	<0.00050	<0.00050	---	<0.0060
1,2-Dichloropropane	78-87-5	6.1E+01	2.3E-02	2.3E-02	<0.00099	<0.00086	<0.00097	<0.00085	<0.00084	<0.00083	<0.00083	<0.00087	<0.00085	<0.00089	<0.00082	<0.00081	<0.00070	<0.00070	<0.00085	<0.00070	<0.00070	<0.00070	<0.00070	---	<0.00060
1,3-Dichlorobenzene	541-73-1	1.2E+02	6.7E+00	6.7E+00	<0.00071	<0.00062	<0.00069	<0.00061	<0.00060	<0.00059	<0.00060	<0.00062	<0.00061	<0.00063	<0.00059	<0.00058	<0.00050	<0.00050	<0.00061	<0.00050	<0.00050	<0.00050	<0.00050	---	<0.00060
1,4-Dichlorobenzene	106-46-7	2.5E+02	2.1E+00	2.1E+00	<0.00071	<0.00062	<0.00069	<0.00061	<0.00060	<0.00059	<0.00060	<0.00062	<0.00061	<0.00063	<0.00059	<0.00058	<0.00050	<0.00050	<0.00061	<0.00050	<0.00050	<0.00050	<0.00050	---	<0.00061
2-Butanone	78-93-3	4.0E+04	2.9E+01	2.9E+01	<0.0027	<0.0023	0.0061 J	0.007 J	0.0073 J	<0.0023	<0.0023	<0.0024 J	<0.0023	<0.0024	0.0052 J	<0.0022	<0.0019	0.0039 J	<0.0023	0.0082 J	0.05	<0.0019	<0.0019	---	<0.0023
2-Hexanone	591-78-6	2.7E+02	3.2E-01	3.2E-01	<0.0016	<0.0014	<0.0015	<0.0013	<0.0013	<0.0013	<0.0013	<0.0014	<0.0013	<0.0014	<0.0013	<0.0013	<0.0011	<0.0011	<0.0013	<0.0011	0.013	<0.0011	<0.0011	---	<0.0013
4-Methyl-2-pentanone	108-10-1	5.9E+03	4.9E+00	4.9E+00	<0.0014	<0.0012	<0.0014	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0013	<0.0012	<0.0012	<0.0010	<0.0010	<0.0012	<0.0010	<0.0010	<0.0010	<0.0010	---	<0.0012
Acetone	67-64-1	6.6E+04	4.3E+01	4.3E+01	<0.0071	0.038	0.051	0.041	0.058	0.045	<0.0060	<0.0062	<0.0061	<0.0063	0.044	<0.0058	0.02 J	0.036	0.018 J	0.11	0.39	0.073 J	0.013 J	---	0.031
Benzene	71-43-2	1.2E+02	2.6E-02	2.6E-02	<0.00071	<0.00062	<0.00069	<0.00061	<0.00060	<0.00059	<0.00060	<0.00062	<0.00061	<0.00063	<0.00059	<0.00058	<0.00050	<0.00050	<0.00061	<0.00050	<0.00050	<0.00050	<0.00050	---	<0.00061
Bromodichloromethane	75-27-4	9.8E+01	6.5E-02	6.5E-02	<0.00071	<0.00062	<0.00069	<0.00061	<0.00060	<0.00059	<0.00060	<0.00062	<0.00061	<0.00063	<0.00059	<0.00058	<0.00050	<0.00050	<0.00061	<0.00050	<0.00050	<0.00050	<0.00050	---	<0.00061
Bromoform	75-25-2	4.0E+02	6.3E-01	6.3E-01	<0.0011	<0.00099	<0.0011	<0.00097	<0.00096	<0.00095	<0.00095	<0.00100	<0.00097	<0.0010	<0.00094	<0.00092	<0.00080	<0.00080	<0.00097	<0.00080	<0.00080	<0.00080	<0.00080	---	<0.00097
Bromomethane	74-83-9	4.6E+01	1.3E-01	1.3E-01	<0.0014	<0.0012	<0.0014	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0013	<0.0012	<0.0012	<0.0010	<0.0010	<0.0012	<0.0010	<0.0010	<0.0010	<0.0010	---	<0.0012
Carbon disulfide	75-15-0	4.6E+03	1.4E+01	1.4E+01	<0.0014	<0.0012	<0.0014	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0013	<0.0012	<0.0012	<0.0010	<0.0010	<0.0012	<0.0010	<0.0010	<0.0010	<0.0010	---	<0.0012
Carbon tetrachloride	56-23-5	3.5E+01	6.2E-02	6.2E-02	<0.00071	<0.00062	<0.00069	<0.00061	<0.00060	<0.00059	<0.00060	<0.00062	<0.00061	<0.00063	<0.00059	<0.00058	<0.00050	<0.00050	<0.00061	<0.00050	<0.00050	<0.00050	<0.00050	---	<0.00061
Chlorobenzene	108-90-7	5.2E+02	1.1E+00	1.1E+00	<0.00071	<0.00062	<0.00069	<0.00061	<0.00060	<0.00059	<0.00060	<0.00062	<0.00061	<0.00063	<0.00059	<0.00058	<0.00050	<0.00050	<0.00061	<0.00050	<0.00050	<0.00050	<0.00050	---	<0.00061
Chloroethane	75-00-3	2.7E+04	3.1E+01	3.1E+01	<0.0014	<0.0012	<0.0014	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0013	<0.0012	<0.0012	<0.0010	<0.0010	<0.0012	<0.0010	<0.0010	<0.0010	<0.0010	---	<0.0012
Chloroform	67-66-3	1.6E+01	1.0E+00	1.0E+00	<0.00071	<0.00062	<0.00069	<0.00061	<0.00060	<0.00059	<0.00060	<0.00062	<0.00061	<0.00063	<0.00059	<0.00058	<0.00050	<0.00050	<0.00061	<0.00050	0.0028 J	<0.00050	<0.00050	---	<0.00061
Chloromethane	74-87-3	1.4E+02	4.1E-01	4.1E-01	<0.0014	<0.0012	<0.0014	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0013	<0.0012	<0.0012	<0.0010	<0.0010	<0.0012	<0.0010	<0.0010	<0.0010	<0.0010	---	<0.0012
cis-1,2-Dichloroethene	156-59-2	1.4E+02	2.5E-01	2.5E-01	<0.00085	<0.00074	<0.00083	<0.00073	<0.00072	<0.00071	<0.00072	<0.00075	<0.00073	<0.00076	<0.00071	<0.00069	<0.00060	<0.00060	<0.00073	<0.00060	<0.00060	<0.00060	<0.00060	---	<0.00073
cis-1,3-Dichloropropene	10061-01-5	8.0E+00	6.6E-03	6.6E-03	<0.00071	<0.00062	<0.00069	<0.00061	<0.00060	<0.00059	<0.00060	<0.00062	<0.00061	<0.00063	<0.00059	<0.00058	<0.00050	<0.00050	<0.00061	<0.00050	<0.00050	<0.00050	<0.00050	---	<0.00061
Cyclohexane	110-82-7	7.5E+04	5.9E+03	5.9E+03	<0.00071 n	<0.00062 n	<0.00069 n	<0.00061 n	<0.00060 n	<0.00059 n	<0.00060 n	<0.00062 n	<0.00061 n	<0.00063 n	<0.00059 n	<0.00058 n	<0.00050 n	<0.00050 n	<0.00061 n	<0.00050 n	<0.00050 n	<0.00050 n	<0.00050 n	---	<0.00061 n
Dibromochloromethane	124-48-1	7.2E+01	4.9E-02	4.9E-02	<0.00085	<0.00074	<0.00083	<0.00073	<0.00072	<0.00071	<0.00072	<0.00075	<0.00073	<0.00076	<0.00071	<0.00069	<0.00060	<0.00060	<0.00073	<0.00060	<0.00060	<0.00060	<0.00060	---	<0.00073
Dichlorodifluoromethane	75-71-8	1.4E+03	2.4E+02	2.4E+02	<0.0011	<0.00099	<0.0011	<0.00097	<0.00096	<0.00095	<0.00095	<0.00100	<0.00097	<0.0010	<0.00094	<0.00092	<0.00080	<0.00080	<0.00097	<0.00080	<0.00080	<0.00080	<0.00080	---	<0.00097
Dichloromethane	75-09-2	3.9E+02	1.3E-02	1.3E-02	<0.0020	<0.0017	0.0065 J	<0.0017	<0.0017	0.0027 J	<0.0017	<0.0017	<0.0017	<0.0018	<0.0016	<0.0016	<0.0014	<0.0014	<0.0017	<0.0014	<0.0014	<0.0014	<0.0014	---	<0.0017
Ethylbenzene	100-41-4	6.4E+03	7.6E+00	7.6E+00	<0.00071	<0.00062	<0.00069	<0.00061	<0.00060	<0.00059	<0.00060	<0.00062	<0.00061	<0.00063	<0.00059	<0.00058	<0.00050	<0.00050	<0.00061	<0.00050	<0.00050	<0.00050	<0.00050	---	0.0018 J
Isopropylbenzene	98-82-8	4.3E+03	3.5E+02	3.5E+02	<0.00071	<0.00062	0.0012 J	<0.00061	<0.00060	<0.00059	<0.00060	<0.00062	<0.00061	<0.00063	<0.00059	<0.00058	<0.00050	<0.00050	<0.00061	<0.00050	<0.00050	<0.00050	<0.00050	---	<0.00060
Methyl acetate	79-20-9	8.2E+04	4.9E+01	4.9E+01	<0.0017	<0.0015	<0.0017	<0.0015	<0.0014	<0.0014	<0.0014	<0.0015	<0.0015	<0.0015	<0.0014	<0.0014	<0.0012	<0.0012	<0.0015	<0.0012	<0.0012	<0.0012	<0.0012	---	<0.00060
Methyl tert-butyl ether	1634-04-4	8.0E+02	6.2E-01	6.2E-01	<0.00071	<0.00062	<0.00069	<0.00061	<0.00060	<0.00059	<0.00060	<0.00062	<0.00061	<0.00063	<0.00059	<0.00058	<0.00050	<0.00050	<0.00061	<0.00050	<0.00050	<0.00050	<0.00050	---	<0.00072
Methylcyclohexane	108-87-2	4.1E+04	1.6E+04	1.6E+04	<0.00085	<0.00074	<0.00083	<0.00073	<0.00072	<0.00071	<0.00072	<0.00075	<0.00073	<0.00076	<0.00071	<0.00069	<0.00060	<0.00060	<0.00073	<0.00060	0.0042 J	<0.00060	<0.00060	---	<0.00060
Styrene	100-42-5	6.7E+03	3.3E+00	3.3E+00	<0.00071	<0.00062	<0.00069	<0.00061	<0.00060	<0.00059	<0.00060	<0.00062	<0.00061	<0.00063	<0.00059	<0.00058	<0.00050	<0.00050	<0.00061	<0.00050	<0.00050	<0.00050	<0.00050	---	<0.00061
Tetrachloroethene	127-18-4	1.0E+02	5.0E-02	5.0E-02	<0.00085	<0.00074	<0.00083	<0.00073	<0.00072	<0.00071	<0.00072	<0.00075	<0.00073	<0.00076	<0.00071	<0.00069	<0.00060	<0.00060	<0.00073	<0.00060	<0.00060	<0.00060	<0.00060	---	<0.00073
Toluene	108-88-3	5.9E+03	8.2E+00	8.2E+00	<0.00071	<0.00062	<0.00069	<0.00061	<0.00060	<0.00059	<0.00060	<0.00062	<0.00061	<0.00063	<0.00059	<0.00058	<0.00050	<0.00050	<0.00061	<0.00050	0.0019 J	<0.00050	<0.00050	---	<0.00061
trans-1,2-Dichloroethene	156-60-5	5.9E+02	4.9E-01	4.9E-01	<0.00071	<0.00062	<0.00069	<0.00061	<0.00060	<0.00059	<0.00060	<0.00062	<0.00061	<0.00063	<0.00059	<0.00058	<0.00050	<0.00050	<0.00061	<0.00050	<0.00050	<0.00050	<0.00050	---	<0.00061
trans-1,3-Dichloropropene	10061-02-6	3.6E+01	3.6E-02	3.6E-02	<0.00071	<0.00062	<0.00069	<0.00061	<0.00060	<0.00059	<0.00060	<0.00062	<0.00061	<0.00063	<0.00059	<0.00058	<0.00050	<0.00050	<0.00061	<0.00050	<0.00050	<0.00050	<0.00050	---	<0.00061
Trichloroethene	79-01-6	1.2E+02	3.4E-02	3.4E-02	<0.00071	<0.00062	<0.00069	<0.00061	<0.00060	<0.00059	<0.00060	<0.00062	<0.00061	<0.00063	<0.00059	<0.00058	<0.00050	<0.00050	<0.00061	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00061
Trichlorofluoromethane	75-69-4	2.5E+04	1.3E+02	1.3E+02	<0.00071	<0.00062	<0.00069	<0.00061	<0.00060	<0.00059	<0.00060	<0.00062	<0.00061	<0.00063	<0.00059	<0.00058	<0.00050	<0.00050	<0.00061	<0.00050	<0.00050	<0.00050	<0.00050	---	<0.00061
Vinyl chloride	75-01-4	3.7E+00	2.2E-02	2.2E-02	<0.0014	<0.0012	<0.0014	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0013	<0.0012	<0.0012	<0.0010	<0.0010	<0.0012	<0.0010	<0.0010	<0.0010	<0.0010	---	<0.0012
Xylene (total)	1330-20-7	6.0E+03	1.2E+02	1.2E+02	<0.0014	<0.0012	0.0077 J	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0013	<0.0012	<0.0012	<0.0010	<0.0010	<0.0012	<0.0010	<0.0010	<0.0010	<0.0010	---	<0.0012

Notes:
ft-bgs: feet below ground surface
mg/kg: milligrams per kilogram

$^{Tot}Soil_{Comb}$ PCL: TRRP Tier 1 PCL for exposure through a combination of soil ingestion, dermal contact, inhalation and vegetation consumption (Residential/ 0.5 acre)

$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that could be ingested (Residential/ 0.5 acre)
J - Analyte detected below quantitation limit
n - not offered for accreditation

TABLE 1C
SUMMARY OF SOIL SAMPLE METAL RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	Texas Specific Background Concentration	Tier 1 Residential		Critical PCL	STORAGE AREA											
			$^{Tot}Soil_{Comb}$ PCL	$^{GW}Soil_{Ing}$ PCL		ST-01	ST-02	ST-03	STSB-01	STSB-02	STSB-03	STSB-04	STSB-05	STSB-06	STSB-07	STSB-08	STSB-09
Sample Depth Interval (ft-bgs)						GRAB (1-3)	GRAB (1-3)	GRAB (1-3)	1-3	2-4	1-3	1-3	1-3	2-4	1-3	1-3	1-3
Date Sampled:						10/12/2010	10/12/2010	10/12/2010	2/24/2011	2/24/2011	2/24/2011	2/24/2011	2/24/2011	2/24/2011	2/25/2011	2/25/2011	2/25/2011
RCRA Metals (SW846 6010B/7471A)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q
Aluminum	7429-90-5	3.0E+04	6.5E+04	1.7E+05	6.5E+04	9530	3820	8130	---	---	---	---	---	---	---	---	---
Antimony	7440-36-0	1.0E+00	1.5E+01	5.4E+00	5.4E+00	0.842	4.31	0.341 J	---	---	---	---	---	---	---	---	---
Arsenic	7440-38-2	5.9E+00	2.4E+01	5.0E+00	5.9E+00	2.73	2.14	**6.17**	**26.1**	**13.1**	2.37	3.7	0.87	1.48	**6.29**	2.68	**8.49**
Barium	7440-39-3	3.0E+02	8.1E+03	4.4E+02	4.4E+02	183	84.4	233	---	---	---	---	---	---	---	---	---
Beryllium	7440-41-7	1.5E+00	3.8E+01	1.8E+00	1.8E+00	1.24	0.428 J	0.633	---	---	---	---	---	---	---	---	---
Cadmium	7440-43-9	NE	5.2E+01	1.5E+00	1.5E+00	0.133 J	0.123 J	0.217 J	---	---	---	---	---	---	---	---	---
Calcium	7440-70-2	NE	NE	NE	--	14600	9100	122000	---	---	---	---	---	---	---	---	---
Chromium	7440-47-3	3.0E+01	3.3E+04	2.4E+03	2.4E+03	8.9	5.91	8.65	---	---	---	---	---	---	---	---	---
Cobalt	7440-48-4	7.0E+00	2.1E+01	6.6E+00	7.0E+00	5.45	1.75	5.33	---	---	---	---	---	---	---	---	---
Copper	7440-50-8	1.5E+01	5.5E+02	1.0E+03	5.5E+02	18.1	15.3	10.6	---	---	---	---	---	---	---	---	---
Iron	7439-89-6	1.5E+04	NE	NE	1.5E+04	5940	4340	8380	---	---	---	---	---	---	---	---	---
Lead	7439-92-1	1.5E+01	5.0E+02	3.0E+00	1.5E+01	**33**	**31.1**	13.1	**170**	**61.3**	11.8	**218**	**22.6**	8.92	**18.7**	**16.1**	**119**
Magnesium	7439-95-4	NE	NE	NE	--	1480	792	2580	---	---	---	---	---	---	---	---	---
Manganese	7439-96-5	3.0E+02	3.7E+03	1.2E+03	1.2E+03	258	369	310	---	---	---	---	---	---	---	---	---
Mercury	7439-97-6	4.0E-02	3.6E+00	7.8E-03	4.0E-02	**1.19**	0.00382 J	0.0172	**0.106**	**0.0984**	0.0284	**0.107**	0.0227	**0.0819**	**0.176**	0.00802	**0.0634**
Nickel	7440-02-0	1.0E+01	8.4E+02	1.6E+02	1.6E+02	15.2	5.46	9.09	---	---	---	---	---	---	---	---	---
Potassium	7440--09-27	NE	NE	NE	--	2110	872	1340	---	---	---	---	---	---	---	---	---
Selenium	7782-49-2	3.0E-01	3.1E+02	2.3E+00	2.3E+00	0.871	1.2	0.823	---	---	---	---	---	---	---	---	---
Silver	7440-22-4	NE	9.7E+01	4.8E-01	4.8E-01	<0.0477	<0.0511	<0.0453	---	---	---	---	---	---	---	---	---
Thallium	7791-12-0	NE	6.3E+00	1.7E+00	1.7E+00	0.125 J	0.299 J	0.265 J	---	---	---	---	---	---	---	---	---
Zinc	7440-66-6	3.0E+01	9.9E+03	2.4E+03	2.4E+03	33.7 J	18.9	19.5	---	---	---	---	---	---	---	---	---
pH	NE	NE	NE	NE	NE	9.23	9.7	9.09	---	---	---	---	---	---	---	---	---

Notes:
ft-bgs: feet below ground surface
mg/kg: milligrams per kilogram
$^{Tot}Soil_{Comb}$ PCL: TRRP Tier 1 PCL for exposure through a combination of soil ingestion, dermal contact, inhalation and vegetation consumption (Residential/ 0.5 acre)
$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that could be ingested (Residential/ 0.5 acre)
J - Analyte detected below quantitation limits.
U - Analyzed but not detected above the MDL
NE - Not Established
Value highlighted in yellow is reported above $^{Tot}Soil_{Comb}$

Aluminum	9530	ST-01	GRAB (1-3)	10/12/2010
Antimony	4.31	ST-02	GRAB (1-3)	10/12/2010
Arsenic	26.1	STSB-01	1-3	2/24/2011
Barium	737	CO1-BTM	GRAB	11/10/2010
Beryllium	1.24	ST-01	GRAB (1-3)	10/12/2010
Cadmium	1.2	CT-1 EAST	GRAB	11/12/2010
Calcium	122000	ST-03	GRAB (1-3)	10/12/2010

TABLE 1C
SUMMARY OF SOIL SAMPLE METAL RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	Texas Specific Background Concentration	Tier 1 Residential		Critical PCL						DEPARTMENT 3 & 6									
			$^{Tot}Soil_{Comb}$ PCL	$^{GW}Soil_{Ing}$ PCL		STSB-10	STSB-11	STSB-12	STSB-13	STSB-14	DEPT3HP-1	DEPT3HP-2	DEPT3HP-3	DEPT3HP-4	DEPT3HP-5	DEPT3HP-6	DEPT3SB-06	DEPT6HP-1	DEPT6HP-2	HP1-F
Sample Depth Interval (ft-bgs)						4-6	4-6	1-3	1-3	1-3	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	2-4	GRAB	GRAB	GRAB
Date Sampled:						6/15/2011	6/15/2011	6/15/2011	6/15/2011	6/15/2011	10/15/2010	10/15/2010	10/15/2010	10/15/2010	10/15/2010	10/15/2010	2/24/2011	10/15/2010	10/15/2010	10/26/2010
RCRA Metals (SW846 6010B/7471A)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q
Aluminum	7429-90-5	3.0E+04	6.5E+04	1.7E+05	6.5E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	7440-36-0	1.0E+00	1.5E+01	5.4E+00	5.4E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	7440-38-2	5.9E+00	2.4E+01	5.0E+00	5.9E+00	1.52	5.91	1.2	0.901	1.46	---	---	---	---	---	---	3.87	---	---	1.57
Barium	7440-39-3	3.0E+02	8.1E+03	4.4E+02	4.4E+02	---	---	---	---	---	---	---	---	---	---	---	138	---	---	71
Beryllium	7440-41-7	1.5E+00	3.8E+01	1.8E+00	1.8E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	7440-43-9	NE	5.2E+01	1.5E+00	1.5E+00	---	---	---	---	---	---	---	---	---	---	---	0.374 J	---	---	<0.0453
Calcium	7440-70-2	NE	NE	NE	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	7440-47-3	3.0E+01	3.3E+04	2.4E+03	2.4E+03	---	---	---	---	---	---	---	---	---	---	---	5.47	---	---	8.23
Cobalt	7440-48-4	7.0E+00	2.1E+01	6.6E+00	7.0E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	7440-50-8	1.5E+01	5.5E+02	1.0E+03	5.5E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	7439-89-6	1.5E+04	NE	NE	1.5E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	7439-92-1	1.5E+01	5.0E+02	3.0E+00	1.5E+01	---	---	---	---	---	---	---	---	---	---	---	39.2	---	---	9.17
Magnesium	7439-95-4	NE	NE	NE	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	7439-96-5	3.0E+02	3.7E+03	1.2E+03	1.2E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	7439-97-6	4.0E-02	3.6E+00	7.8E-03	4.0E-02	---	---	---	---	---	---	---	---	---	---	---	0.0715	---	---	0.00857
Nickel	7440-02-0	1.0E+01	8.4E+02	1.6E+02	1.6E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	7440--09-27	NE	NE	NE	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	7782-49-2	3.0E-01	3.1E+02	2.3E+00	2.3E+00	---	---	---	---	---	---	---	---	---	---	---	0.807	---	---	0.461 J
Silver	7440-22-4	NE	9.7E+01	4.8E-01	4.8E-01	---	---	---	---	---	---	---	---	---	---	---	0.112	---	---	<0.0453
Thallium	7791-12-0	NE	6.3E+00	1.7E+00	1.7E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	7440-66-6	3.0E+01	9.9E+03	2.4E+03	2.4E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pH	NE	NE	NE	NE	NE	---	---	---	---	---	8.86	8.49	8.92	8.92	8.4	8.39	---	8.56	9.13	---

Notes:
ft-bgs: feet below ground surface
mg/kg: milligrams per kilogram
$^{Tot}Soil_{Comb}$ PCL: TRRP Tier 1 PCL for exposure through a combination of soil ingestion, dermal contact, inhalation and vegetation consumption (Residential/ 0.5 acre)
$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that could be ingested (Residential/ 0.5 acre)
J - Analyte detected below quantitation limits.
U - Analyzed but not detected above the MDL
NE - Not Established
Value highlighted in yellow is reported above $^{Tot}Soil_{Comb}$

Aluminum	9530	ST-01	GRAB (1-3)	10/12/2010
Antimony	4.31	ST-02	GRAB (1-3)	10/12/2010
Arsenic	26.1	STSB-01	1-3	2/24/2011
Barium	737	CO1-BTM	GRAB	11/10/2010
Beryllium	1.24	ST-01	GRAB (1-3)	10/12/2010
Cadmium	1.2	CT-1 EAST	GRAB	11/12/2010
Calcium	122000	ST-03	GRAB (1-3)	10/12/2010

TABLE 1C
SUMMARY OF SOIL SAMPLE METAL RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	Texas Specific Background Concentration	Tier 1 Residential		Critical PCL	FORGE SHOP NORTH															
			$^{Tot}Soil_{Comb}$ PCL	$^{GW}Soil_{Ing}$ PCL		HP1-NWSW	HP1-SESW	HP01SB-01	HP01SB-02	HP2-F	HP2-NWSW	HP2-SFSW	HP3-F	HP3-NWSW	HP3-SESW	HP3SB-01	HP3SB-02	HP4-F	HP4-SW	HP5-F	HP5-NWWW
Sample Depth Interval (ft-bgs)						GRAB	GRAB	4-6	4-6	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	6-8	6-8	GRAB	GRAB	GRAB	GRAB
Date Sampled:						10/26/2010	10/26/2010	2/28/2011	2/28/2011	10/26/2010	10/26/2010	10/26/2010	10/26/2010	10/26/2010	10/26/2010	2/28/2011	2/28/2011	10/26/2010	10/26/2010	10/26/2010	10/27/2010
RCRA Metals (SW846 6010B/7471A)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q
Aluminum	7429-90-5	3.0E+04	6.5E+04	1.7E+05	6.5E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	7440-36-0	1.0E+00	1.5E+01	5.4E+00	5.4E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	7440-38-2	5.9E+00	2.4E+01	5.0E+00	5.9E+00	1.02	1.18	---	---	0.898	1.23	3.11	2.86	0.806	1.54	---	---	0.409 J	1.15	**7.95**	2.24
Barium	7440-39-3	3.0E+02	8.1E+03	4.4E+02	4.4E+02	76.9	79	---	---	47.6	99.8	55.6	365	116	206	---	---	150	92.6	438	123
Beryllium	7440-41-7	1.5E+00	3.8E+01	1.8E+00	1.8E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	7440-43-9	NE	5.2E+01	1.5E+00	1.5E+00	<0.0430	<0.0484	---	---	<0.0462	<0.0460	<0.0459	0.0603 J	<0.0493	<0.0430	---	---	<0.0416	<0.0460	0.104 J	<0.0483
Calcium	7440-70-2	NE	NE	NE	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	7440-47-3	3.0E+01	3.3E+04	2.4E+03	2.4E+03	4.84	5.14	---	---	5.72	4.99	6.02	7.25	5.07	4.63	---	---	3.81	6.62	9.21	6.08
Cobalt	7440-48-4	7.0E+00	2.1E+01	6.6E+00	7.0E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	7440-50-8	1.5E+01	5.5E+02	1.0E+03	5.5E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	7439-89-6	1.5E+04	NE	NE	1.5E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	7439-92-1	1.5E+01	5.0E+02	3.0E+00	1.5E+01	8.51	6.28	7.15	6.43	6.1	7.67	11.9	9.43	7.06	5.53	---	---	2.73	7.4	**16.5**	5.18
Magnesium	7439-95-4	NE	NE	NE	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	7439-96-5	3.0E+02	3.7E+03	1.2E+03	1.2E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	7439-97-6	4.0E-02	3.6E+00	7.8E-03	4.0E-02	**0.146**	0.00703	---	---	0.00942	0.0083	0.0106	0.00614	**0.0574**	0.00591	0.01	0.00744	<0.000236	0.0084	0.00512	0.0055
Nickel	7440-02-0	1.0E+01	8.4E+02	1.6E+02	1.6E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	7440--09-27	NE	NE	NE	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	7782-49-2	3.0E-01	3.1E+02	2.3E+00	2.3E+00	0.388 J	0.382 J	---	---	0.354 J	0.455 J	0.455 J	0.354 J	<0.308	<0.269	---	---	<0.260	0.493 J	0.458 J	<0.302
Silver	7440-22-4	NE	9.7E+01	4.8E-01	4.8E-01	<0.0430	<0.0484	---	---	<0.0462	<0.0460	<0.0459	<0.0542	<0.0493	<0.0430	---	---	<0.0416	<0.0460	<0.0539	<0.0483
Thallium	7791-12-0	NE	6.3E+00	1.7E+00	1.7E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	7440-66-6	3.0E+01	9.9E+03	2.4E+03	2.4E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pH	NE	NE	NE	NE	NE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
ft-bgs: feet below ground surface
mg/kg: milligrams per kilogram
$^{Tot}Soil_{Comb}$ PCL: TRRP Tier 1 PCL for exposure through a combination of soil ingestion, dermal contact, inhalation and vegetation consumption (Residential/ 0.5 acre)
$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that could be ingested (Residential/ 0.5 acre)
J - Analyte detected below quantitation limits.
U - Analyzed but not detected above the MDL
NE - Not Established
Value highlighted in yellow is reported above $^{Tot}Soil_{Comb}$

Aluminum	9530	ST-01	GRAB (1-3)	10/12/2010
Antimony	4.31	ST-02	GRAB (1-3)	10/12/2010
Arsenic	26.1	STSB-01	1-3	2/24/2011
Barium	737	CO1-BTM	GRAB	11/10/2010
Beryllium	1.24	ST-01	GRAB (1-3)	10/12/2010
Cadmium	1.2	CT-1 EAST	GRAB	11/12/2010
Calcium	122000	ST-03	GRAB (1-3)	10/12/2010

TABLE 1C
SUMMARY OF SOIL SAMPLE METAL RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	Texas Specific Background Concentration	Tier 1 Residential		Critical PCL	FORGE SHOP NORTH															
			$^{Tot}Soil_{Comb}$ PCL	$^{GW}Soil_{Ing}$ PCL		HP5-SWEW	HP5SB-01	HP6-F	HP6-NESW	HP6-SWSW	HP6SB-01	HP6SB-02	HP7-F	HP7-NE	HP7-SW	HP8-NWWW	HP8-SWEW	HP8-F	SS4-BTM	SS5-SEW	SS6-BTM
Sample Depth Interval (ft-bgs)						GRAB	4-6	GRAB	GRAB	GRAB	4-6	4-6	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
Date Sampled:						10/27/2010	2/28/2011	10/27/2010	10/27/2010	10/27/2010	2/28/2011	2/28/2011	10/28/2010	10/28/2010	10/28/2010	10/27/2010	10/27/2010	10/28/2010	11/1/2010	11/1/2010	11/5/2010
RCRA Metals (SW846 6010B/7471A)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q
Aluminum	7429-90-5	3.0E+04	6.5E+04	1.7E+05	6.5E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	7440-36-0	1.0E+00	1.5E+01	5.4E+00	5.4E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	7440-38-2	5.9E+00	2.4E+01	5.0E+00	5.9E+00	1.53	1.74	1.01	1.33	0.984	---	---	1.77	1.62	3.29	0.658	1.35	1.75	1.28	1.15	2.23
Barium	7440-39-3	3.0E+02	8.1E+03	4.4E+02	4.4E+02	171	---	126	77	117	---	---	176	188	263	102	120	81.4	76.8	92.9	112
Beryllium	7440-41-7	1.5E+00	3.8E+01	1.8E+00	1.8E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	7440-43-9	NE	5.2E+01	1.5E+00	1.5E+00	<0.0538	---	<0.0471	<0.0456	0.109 J	---	---	0.2 J	0.0599 J	0.0824 J	<0.0459	0.0519 J	<0.0415	0.0416 J	<0.0360	0.0471 J
Calcium	7440-70-2	NE	NE	NE	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	7440-47-3	3.0E+01	3.3E+04	2.4E+03	2.4E+03	5.78	---	4.07	6.99	4.08	---	---	6.5	5.4	7.12	3.24	11.4	5.78	6.06	5.94	7.46
Cobalt	7440-48-4	7.0E+00	2.1E+01	6.6E+00	7.0E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	7440-50-8	1.5E+01	5.5E+02	1.0E+03	5.5E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	7439-89-6	1.5E+04	NE	NE	1.5E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	7439-92-1	1.5E+01	5.0E+02	3.0E+00	1.5E+01	7.21	**18.4**	5.23	8.25	**34.6**	5.97	7.59	7.92	7.94	8.28	4.68	8.85	6.86	8.64	5.76	9.2
Magnesium	7439-95-4	NE	NE	NE	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	7439-96-5	3.0E+02	3.7E+03	1.2E+03	1.2E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	7439-97-6	4.0E-02	3.6E+00	7.8E-03	4.0E-02	0.00854	---	0.00692	0.0113	0.0119	---	---	0.00267 J	0.00791	0.0094	<0.000250	0.0103	0.000725 J	0.0077	0.00829	0.00899
Nickel	7440-02-0	1.0E+01	8.4E+02	1.6E+02	1.6E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	7440--09-27	NE	NE	NE	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	7782-49-2	3.0E-01	3.1E+02	2.3E+00	2.3E+00	0.383 J	---	<0.295	0.37 J	0.322 J	---	---	0.658	0.355 J	0.593	0.306 J	<0.292	0.323 J	0.547	0.487	0.664
Silver	7440-22-4	NE	9.7E+01	4.8E-01	4.8E-01	<0.0538	---	0.189 J	<0.0456	<0.0457	---	---	<0.0446	<0.0474	<0.0439	<0.0459	<0.0467	<0.0415	<0.0381	<0.0360	<0.0381
Thallium	7791-12-0	NE	6.3E+00	1.7E+00	1.7E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	7440-66-6	3.0E+01	9.9E+03	2.4E+03	2.4E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pH	NE	NE	NE	NE	NE	---	---	---	---	---	---	---	8.4	8.39	8.56	---	---	9.13	---	---	---

Notes:
ft-bgs: feet below ground surface
mg/kg: milligrams per kilogram
$^{Tot}Soil_{Comb}$ PCL: TRRP Tier 1 PCL for exposure through a combination of soil ingestion, dermal contact, inhalation and vegetation consumption (Residential/ 0.5 acre)
$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that could be ingested (Residential/ 0.5 acre)
J - Analyte detected below quantitation limits.
U - Analyzed but not detected above the MDL
NE - Not Established
Value highlighted in yellow is reported above $^{Tot}Soil_{Comb}$

Aluminum	9530	ST-01	GRAB (1-3)	10/12/2010
Antimony	4.31	ST-02	GRAB (1-3)	10/12/2010
Arsenic	26.1	STSB-01	1-3	2/24/2011
Barium	737	CO1-BTM	GRAB	11/10/2010
Beryllium	1.24	ST-01	GRAB (1-3)	10/12/2010
Cadmium	1.2	CT-1 EAST	GRAB	11/12/2010
Calcium	122000	ST-03	GRAB (1-3)	10/12/2010

TABLE 1C
SUMMARY OF SOIL SAMPLE METAL RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	Texas Specific Background Concentration	Tier 1 Residential		Critical PCL	FORGE SHOP SOUTH															
			$^{Tot}Soil_{Comb}$ PCL	$^{GW}Soil_{Ing}$ PCL		SS7-SW	HP9-SWWW	HP9-NWEW	HP9-BTM	TR-01	HP10-SWWW	HP10-NWEW	HP10-BTM	HP10TR-1	HP10SB-01	HP10SB-02	HP10SB-03	HP10SB-04	HP11-SWEW	HP11-NWWW	HP11-BTM
Sample Depth Interval (ft-bgs)						GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	6-8	4-6	6-8	6-8	GRAB	GRAB	GRAB
Date Sampled:						11/5/2010	11/9/2010	11/9/2010	11/9/2010	11/9/2010	11/9/2010	11/9/2010	11/9/2010	11/9/2010	2/25/2011	2/28/2011	2/28/2011	6/15/2011	11/9/2010	11/9/2010	11/9/2010
RCRA Metals (SW846 6010B/7471A)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q
Aluminum	7429-90-5	3.0E+04	6.5E+04	1.7E+05	6.5E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	7440-36-0	1.0E+00	1.5E+01	5.4E+00	5.4E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	7440-38-2	5.9E+00	2.4E+01	5.0E+00	5.9E+00	3.8	1.24	1.61	2.61	1.31	2.11	1.56	8.73	1.72	21.7	1.34	2.14	0.681	3.25	1.58	2.15
Barium	7440-39-3	3.0E+02	8.1E+03	4.4E+02	4.4E+02	231	180	135	292	189	135	159	29	138	---	---	---	---	309	226	180
Beryllium	7440-41-7	1.5E+00	3.8E+01	1.8E+00	1.8E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	7440-43-9	NE	5.2E+01	1.5E+00	1.5E+00	<0.0360	0.0485 J	<0.0430	0.0476 J	<0.0484	0.116 J	0.062 J	0.0815 J	0.133 J	---	---	---	---	0.0935 J	<0.0483	0.061 J
Calcium	7440-70-2	NE	NE	NE	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	7440-47-3	3.0E+01	3.3E+04	2.4E+03	2.4E+03	9.43	5.84	3.59	5.95	3	5.08	16.3	10	4.15	---	---	---	---	5.45	5.5	4.64
Cobalt	7440-48-4	7.0E+00	2.1E+01	6.6E+00	7.0E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	7440-50-8	1.5E+01	5.5E+02	1.0E+03	5.5E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	7439-89-6	1.5E+04	NE	NE	1.5E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	7439-92-1	1.5E+01	5.0E+02	3.0E+00	1.5E+01	11	7.78	7.92	8.15	7.37	18.2	35.7	12.2	25.1	26.2	7.29	7.02	---	11.2	6.61	12.9
Magnesium	7439-95-4	NE	NE	NE	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	7439-96-5	3.0E+02	3.7E+03	1.2E+03	1.2E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	7439-97-6	4.0E-02	3.6E+00	7.8E-03	4.0E-02	0.0098	0.00543	0.0158	0.00178 J	0.00835	0.013	0.00374 J	0.000754 J	0.0095	---	---	---	---	0.00559	0.00599	0.00967
Nickel	7440-02-0	1.0E+01	8.4E+02	1.6E+02	1.6E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	7440--09-27	NE	NE	NE	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	7782-49-2	3.0E-01	3.1E+02	2.3E+00	2.3E+00	0.711	0.483 J	0.75	0.79	0.804	0.724	0.619 J	0.896	0.817	---	---	---	---	0.845	0.549 J	0.478 J
Silver	7440-22-4	NE	9.7E+01	4.8E-01	4.8E-01	<0.0360	0.0452 J	<0.0430	<0.0416	<0.0484	<0.0459	<0.0542	<0.0493	<0.0430	---	---	---	---	<0.0460	<0.0539	<0.0483
Thallium	7791-12-0	NE	6.3E+00	1.7E+00	1.7E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	7440-66-6	3.0E+01	9.9E+03	2.4E+03	2.4E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pH	NE	NE	NE	NE	NE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
ft-bgs: feet below ground surface
mg/kg: milligrams per kilogram
$^{Tot}Soil_{Comb}$ PCL: TRRP Tier 1 PCL for exposure through a combination of soil ingestion, dermal contact, inhalation and vegetation consumption (Residential/ 0.5 acre)
$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that could be ingested (Residential/ 0.5 acre)
J - Analyte detected below quantitation limits.
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NE - Not Established
Value highlighted in yellow is reported above $^{Tot}Soil_{Comb}$

Aluminum	9530	ST-01	GRAB (1-3)	10/12/2010
Antimony	4.31	ST-02	GRAB (1-3)	10/12/2010
Arsenic	26.1	STSB-01	1-3	2/24/2011
Barium	737	CO1-BTM	GRAB	11/10/2010
Beryllium	1.24	ST-01	GRAB (1-3)	10/12/2010
Cadmium	1.2	CT-1 EAST	GRAB	11/12/2010
Calcium	122000	ST-03	GRAB (1-3)	10/12/2010

TABLE 1C
SUMMARY OF SOIL SAMPLE METAL RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	Texas Specific Background Concentration	Tier 1 Residential		Critical PCL	HEAT TREAT															
			$^{Tot}Soil_{Comb}$ PCL	$^{GW}Soil_{Ing}$ PCL		CT1-BTM	CT1-SWW	CT1-SWE	CO1-BTM	CO1-NWEW	CO1-SWWW	CO2-BTM	CO2-SWWW	CO2-EW	CO3-BTM	CO3-NWEW	CO3-WW	CO4-BTM	CO4-NWEW	CO4-SWSW	HTSB-01
Sample Depth Interval (ft-bgs)						GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	2-4
Date Sampled:						11/9/2010	11/9/2010	11/9/2010	11/10/2010	11/10/2010	11/10/2010	11/10/2010	11/10/2010	11/10/2010	11/10/2010	11/10/2010	11/10/2010	11/10/2010	11/10/2010	11/10/2010	2/25/2011
RCRA Metals (SW846 6010B/7471A)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q
Aluminum	7429-90-5	3.0E+04	6.5E+04	1.7E+05	6.5E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	7440-36-0	1.0E+00	1.5E+01	5.4E+00	5.4E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	7440-38-2	5.9E+00	2.4E+01	5.0E+00	5.9E+00	2.59	1.43	1.97	**8.44**	1.12	2.32	2.55	1.72	1.53	2.89	2.21	2.13	3.53	1.82	1.59	1.02
Barium	7440-39-3	3.0E+02	8.1E+03	4.4E+02	4.4E+02	214	178	195	**737**	206	189	327	274	262	103	140	128	**718**	178	166	---
Beryllium	7440-41-7	1.5E+00	3.8E+01	1.8E+00	1.8E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	7440-43-9	NE	5.2E+01	1.5E+00	1.5E+00	<0.0462	<0.0460	0.122 J	0.167 J	<0.0471	<0.0456	0.0845 J	<0.0459	<0.0459	0.131 J	0.0488 J	<0.0415	0.11 J	0.446 J	0.0848 J	---
Calcium	7440-70-2	NE	NE	NE	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	7440-47-3	3.0E+01	3.3E+04	2.4E+03	2.4E+03	4.32	4.51	4.33	54.1	4.8	5.34	7.23	5.9	4.58	8.22	5	5.37	9.13	6.01	6	---
Cobalt	7440-48-4	7.0E+00	2.1E+01	6.6E+00	7.0E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	7440-50-8	1.5E+01	5.5E+02	1.0E+03	5.5E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	7439-89-6	1.5E+04	NE	NE	1.5E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	7439-92-1	1.5E+01	5.0E+02	3.0E+00	1.5E+01	13.6	5.6	14.3	**22.9**	5.88	9.62	14.9	6.96	6.86	12.4	9.65	7.91	6.52	**27.4**	9.27	---
Magnesium	7439-95-4	NE	NE	NE	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	7439-96-5	3.0E+02	3.7E+03	1.2E+03	1.2E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	7439-97-6	4.0E-02	3.6E+00	7.8E-03	4.0E-02	0.0141	0.00301 J	0.0167	0.00562	0.0107	0.0105	0.0013 J	0.00751	0.00975	0.0183	0.0182	0.019	<0.000288	**0.0408**	0.00938	---
Nickel	7440-02-0	1.0E+01	8.4E+02	1.6E+02	1.6E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	7440--09-27	NE	NE	NE	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	7782-49-2	3.0E-01	3.1E+02	2.3E+00	2.3E+00	0.655	0.315 J	0.667	0.622	0.4 J	0.506 J	0.807	0.598	0.341 J	0.578	0.561 J	0.634	0.903	0.734	0.656	---
Silver	7440-22-4	NE	9.7E+01	4.8E-01	4.8E-01	<0.0462	<0.0460	<0.0460	<0.0538	0.189	<0.0456	<0.0457	<0.0459	<0.0467	<0.0446	<0.0474	<0.0439	<0.0415	<0.0381	<0.0360	---
Thallium	7791-12-0	NE	6.3E+00	1.7E+00	1.7E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	7440-66-6	3.0E+01	9.9E+03	2.4E+03	2.4E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pH	NE	NE	NE	NE	NE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
ft-bgs: feet below ground surface
mg/kg: milligrams per kilogram
$^{Tot}Soil_{Comb}$ PCL: TRRP Tier 1 PCL for exposure through a combination of soil ingestion, dermal contact, inhalation and vegetation consumption (Residential/ 0.5 acre)
$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that could be ingested (Residential/ 0.5 acre)
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Value highlighted in yellow is reported above $^{Tot}Soil_{Comb}$

Aluminum	9530	ST-01	GRAB (1-3)	10/12/2010
Antimony	4.31	ST-02	GRAB (1-3)	10/12/2010
Arsenic	26.1	STSB-01	1-3	2/24/2011
Barium	737	CO1-BTM	GRAB	11/10/2010
Beryllium	1.24	ST-01	GRAB (1-3)	10/12/2010
Cadmium	1.2	CT-1 EAST	GRAB	11/12/2010
Calcium	122000	ST-03	GRAB (1-3)	10/12/2010

TABLE 1C
SUMMARY OF SOIL SAMPLE METAL RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	Texas Specific Background Concentration	Tier 1 Residential		Critical PCL	HEAT TREAT				WPA											
			$^{Tot}Soil_{Comb}$ PCL	$^{GW}Soil_{Ing}$ PCL		HTSB-07	HTSB-08	HTSB-10	HTSB-11	CT-1 EAST	CT-1 WEST	CT-1 NORTH	CT-1 FLOOR	CT-3 EAST	CT-3 WEST	CT-3 NORTH	CT-3 SOUTH	CT-3 FLOOR	CT-2 FLOOR 1	CT-2 FLOOR 2	CT-2 EAST
Sample Depth Interval (ft-bgs)						6-8	6-8	6-8	6-8	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
Date Sampled:						3/1/2011	3/1/2011	3/1/2011	3/1/2011	11/12/2010	11/12/2010	11/12/2010	11/12/2010	11/12/2010	11/12/2010	11/12/2010	11/12/2010	11/12/2010	11/12/2010	11/12/2010	11/12/2010
RCRA Metals (SW846 6010B/7471A)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q
Aluminum	7429-90-5	3.0E+04	6.5E+04	1.7E+05	6.5E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	7440-36-0	1.0E+00	1.5E+01	5.4E+00	5.4E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	7440-38-2	5.9E+00	2.4E+01	5.0E+00	5.9E+00	2.22	---	1.5	3.25	3.53	3.57	1.32 J	1.7 J	0.99	1.27	3.73	1.32	1.45 J	1.63 J	1.37	1.36
Barium	7440-39-3	3.0E+02	8.1E+03	4.4E+02	4.4E+02	276	---	---	---	133	60	55.6	84	34.1	39.8	253	33.1	303	41.1	19.3	47.5
Beryllium	7440-41-7	1.5E+00	3.8E+01	1.8E+00	1.8E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	7440-43-9	NE	5.2E+01	1.5E+00	1.5E+00	---	---	---	---	1.2	0.613	<0.196	<0.0360	<0.0360	0.167 J	0.708 J	<0.0354	<0.187 J	<0.187	<0.0388	<0.0351
Calcium	7440-70-2	NE	NE	NE	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	7440-47-3	3.0E+01	3.3E+04	2.4E+03	2.4E+03	---	---	---	---	144	79.8	**4900**	**11300**	3.71	729	**4170**	158	**7190**	**4810**	870	7.1
Cobalt	7440-48-4	7.0E+00	2.1E+01	6.6E+00	7.0E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	7440-50-8	1.5E+01	5.5E+02	1.0E+03	5.5E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	7439-89-6	1.5E+04	NE	NE	1.5E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	7439-92-1	1.5E+01	5.0E+02	3.0E+00	1.5E+01	5.25	**20.2**	---	---	**161**	**62.5**	12.3	**230**	5.93	**18.8**	**138**	6.54	**295**	5.23	**22.6**	8.26
Magnesium	7439-95-4	NE	NE	NE	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	7439-96-5	3.0E+02	3.7E+03	1.2E+03	1.2E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	7439-97-6	4.0E-02	3.6E+00	7.8E-03	4.0E-02	---	---	---	---	0.0381	0.0141	0.0124	0.0179	0.00599	0.0155	0.00975	0.00613	0.00509	0.0102	0.00793	0.00831
Nickel	7440-02-0	1.0E+01	8.4E+02	1.6E+02	1.6E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	7440--09-27	NE	NE	NE	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	7782-49-2	3.0E-01	3.1E+02	2.3E+00	2.3E+00	---	---	---	---	0.661	0.745	<1.23	<2.25	0.779	0.775	<1.15	0.961	<1.17	<1.17	0.769	1.03
Silver	7440-22-4	NE	9.7E+01	4.8E-01	4.8E-01	---	---	---	---	0.107 J	0.0518 J	<0.196	<0.0360	<0.0360	0.0463 J	0.454 J	<0.0354	<0.187	<0.187	0.0508 J	<0.0351
Thallium	7791-12-0	NE	6.3E+00	1.7E+00	1.7E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	7440-66-6	3.0E+01	9.9E+03	2.4E+03	2.4E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pH	NE	NE	NE	NE	NE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
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$^{Tot}Soil_{Comb}$ PCL: TRRP Tier 1 PCL for exposure through a combination of soil ingestion, dermal contact, inhalation and vegetation consumption (Residential/ 0.5 acre)
$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that could be ingested (Residential/ 0.5 acre)
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Aluminum	9530	ST-01	GRAB (1-3)	10/12/2010
Antimony	4.31	ST-02	GRAB (1-3)	10/12/2010
Arsenic	26.1	STSB-01	1-3	2/24/2011
Barium	737	CO1-BTM	GRAB	11/10/2010
Beryllium	1.24	ST-01	GRAB (1-3)	10/12/2010
Cadmium	1.2	CT-1 EAST	GRAB	11/12/2010
Calcium	122000	ST-03	GRAB (1-3)	10/12/2010

TABLE 1C
SUMMARY OF SOIL SAMPLE METAL RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	Texas Specific Background Concentration	Tier 1 Residential		Critical PCL	WPA																
			$^{Tot}Soil_{Comb}$ PCL	$^{GW}Soil_{Ing}$ PCL		CT-2 WEST	CT-2 SOUTH	CTSB-01	CTSB-01	CTSB-02	CTSB-03	CTSB-04	CTSB-05	CTSB-06	CTSB-07	MW-06	BSC-01	BSC-02	BSC-03	BSC-04	BSC-05	BSC-06
Sample Depth Interval (ft-bgs)						GRAB	GRAB	4-6	13-15	4-6	4-6	1-3	4-6	4-6	4-6	31-32	2-3	2-3	2-3	2-3	2-3	2-3
Date Sampled:						11/12/2010	11/12/2010	2/25/2011	2/25/2011	2/25/2011	2/25/2011	2/25/2011	2/25/2011	2/25/2011	2/25/2011	4/27/2011	8/3/2011	8/3/2011	8/3/2011	8/3/2011	8/3/2011	8/3/2011
RCRA Metals (SW846 6010B/7471A)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q
Aluminum	7429-90-5	3.0E+04	6.5E+04	1.7E+05	6.5E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	7440-36-0	1.0E+00	1.5E+01	5.4E+00	5.4E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	7440-38-2	5.9E+00	2.4E+01	5.0E+00	5.9E+00	1.38	1.11	---	---	---	---	---	---	---	---	---	4.66	5.18	3.07	1.66	0.88	1.59
Barium	7440-39-3	3.0E+02	8.1E+03	4.4E+02	4.4E+02	63.3	157	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	7440-41-7	1.5E+00	3.8E+01	1.8E+00	1.8E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	7440-43-9	NE	5.2E+01	1.5E+00	1.5E+00	0.0915 J	0.185 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium	7440-70-2	NE	NE	NE	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	7440-47-3	3.0E+01	3.3E+04	2.4E+03	2.4E+03	1090	1850	7.53	3.3	---	---	38	98.1	115	12.3	16.6	---	---	---	---	---	---
Cobalt	7440-48-4	7.0E+00	2.1E+01	6.6E+00	7.0E+00	---	---	---	---	---	---	---	---	---	---	---	7.17	3.24	1.96	1.45	0.865	2.68
Copper	7440-50-8	1.5E+01	5.5E+02	1.0E+03	5.5E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	7439-89-6	1.5E+04	NE	NE	1.5E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	7439-92-1	1.5E+01	5.0E+02	3.0E+00	1.5E+01	15	13.4	8.27	7.65	11.1	15.1	9.29	41.7	37.7	22.2	---	39.9	10.9	13.9	5.98	6.2	6.97
Magnesium	7439-95-4	NE	NE	NE	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	7439-96-5	3.0E+02	3.7E+03	1.2E+03	1.2E+03	---	---	---	---	---	---	---	---	---	---	---	288	93.6	730	51.6	22	56.4
Mercury	7439-97-6	4.0E-02	3.6E+00	7.8E-03	4.0E-02	0.0141	0.0124	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	7440-02-0	1.0E+01	8.4E+02	1.6E+02	1.6E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	7440--09-27	NE	NE	NE	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	7782-49-2	3.0E-01	3.1E+02	2.3E+00	2.3E+00	1.2	0.742	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	7440-22-4	NE	9.7E+01	4.8E-01	4.8E-01	0.0452 J	<0.0360	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	7791-12-0	NE	6.3E+00	1.7E+00	1.7E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	7440-66-6	3.0E+01	9.9E+03	2.4E+03	2.4E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pH	NE	NE	NE	NE	NE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
ft-bgs: feet below ground surface
mg/kg: milligrams per kilogram
$^{Tot}Soil_{Comb}$ PCL: TRRP Tier 1 PCL for exposure through a combination of soil ingestion, dermal contact, inhalation and vegetation consumption (Residential/ 0.5 acre)
$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that could be ingested (Residential/ 0.5 acre)
J - Analyte detected below quantitation limits.
U - Analyzed but not detected above the MDL
NE - Not Established
Value highlighted in yellow is reported above $^{Tot}Soil_{Comb}$

Aluminum	9530	ST-01	GRAB (1-3)	10/12/2010
Antimony	4.31	ST-02	GRAB (1-3)	10/12/2010
Arsenic	26.1	STSB-01	1-3	2/24/2011
Barium	737	CO1-BTM	GRAB	11/10/2010
Beryllium	1.24	ST-01	GRAB (1-3)	10/12/2010
Cadmium	1.2	CT-1 EAST	GRAB	11/12/2010
Calcium	122000	ST-03	GRAB (1-3)	10/12/2010

TABLE 1C
SUMMARY OF SOIL SAMPLE METAL RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	Texas Specific Background Concentration	Tier 1 Residential		Critical PCL	BALLAST AREA									FIELD DUPLICATES			
			$^{Tot}Soil_{Comb}$ PCL	$^{GW}Soil_{Ing}$ PCL		BSC-07	BSC-08	BSC-09	BSC-10	BSC-11	BSC-12	BSC-13	BSC-14	BSC-15	FD-04 (CTSB-01)	FD-06 (HP10SB-01)	FD-07 (HP3SB-02)	FD-08 (HP01SB-01)
Sample Depth Interval (ft-bgs)						3-4	3-4	3-4	4-6	4-6	3-4	2-3	2-3	2-3	4-6	6-8	6-8	13-15
Date Sampled:						8/3/2011	8/3/2011	8/3/2011	9/29/2011	9/29/2011	9/29/2011	9/29/2011	9/29/2011	9/29/2011	2/25/2011	2/25/2011	2/28/2011	2/28/2011
RCRA Metals (SW846 6010B/7471A)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q	Result (mg/kg) Q
Aluminum	7429-90-5	3.0E+04	6.5E+04	1.7E+05	6.5E+04	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	7440-36-0	1.0E+00	1.5E+01	5.4E+00	5.4E+00	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	7440-38-2	5.9E+00	2.4E+01	5.0E+00	5.9E+00	5.78	3.31	0.76	---	---	---	---	---	---	---	17.9	---	1.09
Barium	7440-39-3	3.0E+02	8.1E+03	4.4E+02	4.4E+02	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	7440-41-7	1.5E+00	3.8E+01	1.8E+00	1.8E+00	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	7440-43-9	NE	5.2E+01	1.5E+00	1.5E+00	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium	7440-70-2	NE	NE	NE	--	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	7440-47-3	3.0E+01	3.3E+04	2.4E+03	2.4E+03	---	---	---	---	---	---	---	---	---	8.35	---	---	---
Cobalt	7440-48-4	7.0E+00	2.1E+01	6.6E+00	7.0E+00	3.41	4.23	1.01	---	---	3.49	0.936	2.23	1.88	---	---	---	---
Copper	7440-50-8	1.5E+01	5.5E+02	1.0E+03	5.5E+02	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	7439-89-6	1.5E+04	NE	NE	1.5E+04	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	7439-92-1	1.5E+01	5.0E+02	3.0E+00	1.5E+01	240	37.2	5.17	---	---	---	---	---	---	7.87	19.7	---	6.6
Magnesium	7439-95-4	NE	NE	NE	--	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	7439-96-5	3.0E+02	3.7E+03	1.2E+03	1.2E+03	3,560	5,180	19.4	153	32	---	---	---	---	---	---	---	---
Mercury	7439-97-6	4.0E-02	3.6E+00	7.8E-03	4.0E-02	---	---	---	---	---	---	---	---	---	---	---	0.00248	---
Nickel	7440-02-0	1.0E+01	8.4E+02	1.6E+02	1.6E+02	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	7440--09-27	NE	NE	NE	--	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	7782-49-2	3.0E-01	3.1E+02	2.3E+00	2.3E+00	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	7440-22-4	NE	9.7E+01	4.8E-01	4.8E-01	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	7791-12-0	NE	6.3E+00	1.7E+00	1.7E+00	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	7440-66-6	3.0E+01	9.9E+03	2.4E+03	2.4E+03	---	---	---	---	---	---	---	---	---	---	---	---	---
pH	NE	NE	NE	NE	NE	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
ft-bgs: feet below ground surface
mg/kg: milligrams per kilogram
$^{Tot}Soil_{Comb}$ PCL: TRRP Tier 1 PCL for exposure through a combination of soil ingestion, dermal contact, inhalation and vegetation consumption (Residential/ 0.5 acre)
$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that could be ingested (Residential/ 0.5 acre)
J - Analyte detected below quantitation limits.
U - Analyzed but not detected above the MDL
NE - Not Established
Value highlighted in yellow is reported above $^{Tot}Soil_{Comb}$

Aluminum	9530	ST-01	GRAB (1-3)	10/12/2010
Antimony	4.31	ST-02	GRAB (1-3)	10/12/2010
Arsenic	26.1	STSB-01	1-3	2/24/2011
Barium	737	CO1-BTM	GRAB	11/10/2010
Beryllium	1.24	ST-01	GRAB (1-3)	10/12/2010
Cadmium	1.2	CT-1 EAST	GRAB	11/12/2010
Calcium	122000	ST-03	GRAB (1-3)	10/12/2010

TABLE 2A
SUMMARY OF GW SAMPLE VOC RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	Tier 1 Residential		Critical PCL	MW-04												MW-05						
Sample Collection Date:		$^{GW}GW_{Ing}$ PCL	$^{Air}GW_{Inh-V}$ PCL		1/18/2012	5/1/2012	7/30/2012	11/9/2012	5/20/2013	8/8/2013	11/21/2013	2/27/2014	5/22/2014	9/11/2014	1/14/2015	5/6/2015	1/18/2012	5/1/2012	7/30/2012	11/9/2012	5/20/2013	8/8/2013	11/21/2013
Volatile Organic Compounds (SW846 8260B)		(mg/l)	(mg/l)	(mg/l)	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q
1,1,1-Trichloroethane	71-55-6	5.2E+04	1.6E+00	1.6E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	79-34-5	3.0E+01	2.3E-02	2.3E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichlor-1,2,2-trifluoroethane	76-13-1	3.9E+05	8.0E+04	8.0E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	79-00-5	1.8E+01	2.0E-02	2.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	75-34-3	1.1E+04	1.8E+01	1.8E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	75-35-4	2.3E+03	5.0E-02	5.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	120-82-1	1.2E+02	4.8E+00	4.8E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	96-12-8	1.5E-01	1.7E-03	1.7E-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	106-93-4	7.3E-01	2.1E-04	2.1E-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	95-50-1	7.2E+02	1.8E+01	1.8E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	107-06-2	1.1E+01	1.4E-02	1.4E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	78-87-5	6.1E+01	2.3E-02	2.3E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	541-73-1	1.2E+02	6.7E+00	6.7E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	106-46-7	2.5E+02	2.1E+00	2.1E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	78-93-3	4.0E+04	2.9E+01	2.9E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Hexanone	591-78-6	2.7E+02	3.2E-01	3.2E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	108-10-1	5.9E+03	4.9E+00	4.9E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	67-64-1	6.6E+04	4.3E+01	4.3E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	71-43-2	1.2E+02	2.6E-02	2.6E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	75-27-4	9.8E+01	6.5E-02	6.5E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromoform	75-25-2	4.0E+02	6.3E-01	6.3E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromomethane	74-83-9	4.6E+01	1.3E-01	1.3E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	75-15-0	4.6E+03	1.4E+01	1.4E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	56-23-5	3.5E+01	6.2E-02	6.2E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	108-90-7	5.2E+02	1.1E+00	1.1E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethane	75-00-3	2.7E+04	3.1E+01	3.1E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	67-66-3	1.6E+01	1.0E+00	1.0E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloromethane	74-87-3	1.4E+02	4.1E-01	4.1E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	156-59-2	1.4E+02	2.5E-01	2.5E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	10061-01-5	8.0E+00	6.6E-03	6.6E-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyclohexane	110-82-7	7.5E+04	5.9E+03	5.9E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	124-48-1	7.2E+01	4.9E-02	4.9E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	75-71-8	1.4E+03	2.4E+02	2.4E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichloromethane	75-09-2	3.9E+02	1.3E-02	1.3E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	100-41-4	6.4E+03	7.6E+00	7.6E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	98-82-8	4.3E+03	3.5E+02	3.5E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl acetate	79-20-9	8.2E+04	4.9E+01	4.9E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	1634-04-4	8.0E+02	6.2E-01	6.2E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcyclohexane	108-87-2	4.1E+04	1.6E+04	1.6E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	100-42-5	6.7E+03	3.3E+00	3.3E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	127-18-4	1.0E+02	5.0E-02	5.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	108-88-3	5.9E+03	8.2E+00	8.2E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	156-60-5	5.9E+02	4.9E-01	4.9E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	10061-02-6	3.6E+01	3.6E-02	3.6E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	79-01-6	1.2E+02	3.4E-02	3.4E-02	<0.0011	<0.0011	0.00036	<0.0010	<0.0010	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	0.0013 J	<0.0011	0.00086	0.00086	0.0012	0.0014	0.00076 J
Trichlorofluoromethane	75-69-4	2.5E+04	1.3E+02	1.3E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	75-01-4	3.7E+00	2.2E-02	2.2E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Xylenes, Total	1330-20-7	6.0E+03	1.2E+02	1.2E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
ft-bgs: feet below ground surface
$^{Air}GW_{Inh-V}$ PCL: TRRP Tier 1 PCL for inhalation of volatile COCs from Class 1, 2 or 3 groundwater sources
$^{GW}GW_{Ing}$ PCL: TRRP Tier 1 PCL for ingestion of COCs in Class 1 or 2 groundwater sources
J - Analyte detected below quantitation limit

TABLE 2A
SUMMARY OF GW SAMPLE VOC RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	Tier 1 Residential		Critical PCL	MW-06																			
Sample Collection Date:		$^{GW}GW_{Ing}$ PCL	$^{Air}GW_{Inh-V}$ PCL		2/27/2014	5/22/2014	9/11/2014	1/13/2015	5/6/2015	4/29/2011	1/17/2012	5/1/2012	7/30/2012	11/9/2012	5/20/2013	8/9/2013	12/2/2013	2/28/2014	5/22/2014	9/11/2014	1/14/2015	5/7/2015	7/15/2015
Volatile Organic Compounds (SW846 8260B)		(mg/l)	(mg/l)	(mg/l)	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q
1,1,1-Trichloroethane	71-55-6	5.2E+04	1.6E+00	1.6E+00	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	79-34-5	3.0E+01	2.3E-02	2.3E-02	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichlor-1,2,2-trifluoroethane	76-13-1	3.9E+05	8.0E+04	8.0E+04	---	---	---	---	---	< 0.00060	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	79-00-5	1.8E+01	2.0E-02	2.0E-02	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	75-34-3	1.1E+04	1.8E+01	1.8E+01	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	75-35-4	2.3E+03	5.0E-02	5.0E-02	---	---	---	---	---	0.0025 J	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	120-82-1	1.2E+02	4.8E+00	4.8E+00	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	96-12-8	1.5E-01	1.7E-03	1.7E-03	---	---	---	---	---	< 0.0010	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	106-93-4	7.3E-01	2.1E-04	2.1E-04	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	95-50-1	7.2E+02	1.8E+01	1.8E+01	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	107-06-2	1.1E+01	1.4E-02	1.4E-02	---	---	---	---	---	0.00056 J	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	78-87-5	6.1E+01	2.3E-02	2.3E-02	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	541-73-1	1.2E+02	6.7E+00	6.7E+00	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	106-46-7	2.5E+02	2.1E+00	2.1E+00	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	78-93-3	4.0E+04	2.9E+01	2.9E+01	---	---	---	---	---	< 0.00080	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Hexanone	591-78-6	2.7E+02	3.2E-01	3.2E-01	---	---	---	---	---	< 0.0010	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	108-10-1	5.9E+03	4.9E+00	4.9E+00	---	---	---	---	---	< 0.0010	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	67-64-1	6.6E+04	4.3E+01	4.3E+01	---	---	---	---	---	0.0098 J	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	71-43-2	1.2E+02	2.6E-02	2.6E-02	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	75-27-4	9.8E+01	6.5E-02	6.5E-02	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromoform	75-25-2	4.0E+02	6.3E-01	6.3E-01	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromomethane	74-83-9	4.6E+01	1.3E-01	1.3E-01	---	---	---	---	---	< 0.00090	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	75-15-0	4.6E+03	1.4E+01	1.4E+01	---	---	---	---	---	< 0.0010	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	56-23-5	3.5E+01	6.2E-02	6.2E-02	---	---	---	---	---	0.0037 J	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	108-90-7	5.2E+02	1.1E+00	1.1E+00	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethane	75-00-3	2.7E+04	3.1E+01	3.1E+01	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	67-66-3	1.6E+01	1.0E+00	1.0E+00	---	---	---	---	---	0.0018 J	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloromethane	74-87-3	1.4E+02	4.1E-01	4.1E-01	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	156-59-2	1.4E+02	2.5E-01	2.5E-01	---	---	---	---	---	0.0089	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	10061-01-5	8.0E+00	6.6E-03	6.6E-03	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyclohexane	110-82-7	7.5E+04	5.9E+03	5.9E+03	---	---	---	---	---	< 0.00060	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	124-48-1	7.2E+01	4.9E-02	4.9E-02	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	75-71-8	1.4E+03	2.4E+02	2.4E+02	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichloromethane	75-09-2	3.9E+02	1.3E-02	1.3E-02	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	100-41-4	6.4E+03	7.6E+00	7.6E+00	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	98-82-8	4.3E+03	3.5E+02	3.5E+02	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl acetate	79-20-9	8.2E+04	4.9E+01	4.9E+01	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	1634-04-4	8.0E+02	6.2E-01	6.2E-01	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcyclohexane	108-87-2	4.1E+04	1.6E+04	1.6E+04	---	---	---	---	---	< 0.00080	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	100-42-5	6.7E+03	3.3E+00	3.3E+00	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	127-18-4	1.0E+02	5.0E-02	5.0E-02	---	---	---	---	---	< 0.00060	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	108-88-3	5.9E+03	8.2E+00	8.2E+00	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	156-60-5	5.9E+02	4.9E-01	4.9E-01	---	---	---	---	---	0.0025 J	---	---	---	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	10061-02-6	3.6E+01	3.6E-02	3.6E-02	---	---	---	---	---	< 0.00050	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	79-01-6	1.2E+02	3.4E-02	3.4E-02	0.00092 J	0.0011	0.0023	0.0016	NS	**0.23**	**0.18**	**0.084**	**0.0666**	**0.117**	**0.0861**	**0.0663**	**0.0642**	**0.0759**	0.0279	0.0237	**0.0539**	0.0332	0.0036
Trichlorofluoromethane	75-69-4	2.5E+04	1.3E+02	1.3E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	75-01-4	3.7E+00	2.2E-02	2.2E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Xylenes, Total	1330-20-7	6.0E+03	1.2E+02	1.2E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
ft-bgs: feet below ground surface
$^{Air}GW_{Inh-V}$ PCL: TRRP Tier 1 PCL for inhalation of volatile COCs from Class 1, 2 or 3 grour
$^{GW}GW_{Ing}$ PCL: TRRP Tier 1 PCL for ingestion of COCs in Class 1 or 2 groundwater source
J - Analyte detected below quantitation limit

TABLE 2A
SUMMARY OF GW SAMPLE VOC RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	*Tier 1 Residential*		*Critical PCL*	MW-07												
Sample Collection Date:		$^{GW}GW_{Ing}$ PCL	$^{Air}GW_{Inh-V}$ PCL		7/1/2011	1/17/2012	5/1/2012	7/30/2012	11/9/2012	5/20/2013	8/9/2013	11/21/2013	2/28/2014	5/20/2014	9/10/2014	1/13/2015	5/7/2015
Volatile Organic Compounds (SW846 8260B)		(mg/l)	(mg/l)	(mg/l)	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q
1,1,1-Trichloroethane	71-55-6	5.2E+04	1.6E+00	1.6E+00	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	79-34-5	3.0E+01	2.3E-02	2.3E-02	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichlor-1,2,2-trifluoroethane	76-13-1	3.9E+05	8.0E+04	8.0E+04	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	79-00-5	1.8E+01	2.0E-02	2.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	75-34-3	1.1E+04	1.8E+01	1.8E+01	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	75-35-4	2.3E+03	5.0E-02	5.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	120-82-1	1.2E+02	4.8E+00	4.8E+00	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	96-12-8	1.5E-01	1.7E-03	1.7E-03	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	106-93-4	7.3E-01	2.1E-04	2.1E-04	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	95-50-1	7.2E+02	1.8E+01	1.8E+01	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	107-06-2	1.1E+01	1.4E-02	1.4E-02	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	78-87-5	6.1E+01	2.3E-02	2.3E-02	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	541-73-1	1.2E+02	6.7E+00	6.7E+00	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	106-46-7	2.5E+02	2.1E+00	2.1E+00	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	78-93-3	4.0E+04	2.9E+01	2.9E+01	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Hexanone	591-78-6	2.7E+02	3.2E-01	3.2E-01	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	108-10-1	5.9E+03	4.9E+00	4.9E+00	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	67-64-1	6.6E+04	4.3E+01	4.3E+01	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	71-43-2	1.2E+02	2.6E-02	2.6E-02	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	75-27-4	9.8E+01	6.5E-02	6.5E-02	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromoform	75-25-2	4.0E+02	6.3E-01	6.3E-01	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromomethane	74-83-9	4.6E+01	1.3E-01	1.3E-01	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	75-15-0	4.6E+03	1.4E+01	1.4E+01	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	56-23-5	3.5E+01	6.2E-02	6.2E-02	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	108-90-7	5.2E+02	1.1E+00	1.1E+00	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethane	75-00-3	2.7E+04	3.1E+01	3.1E+01	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	67-66-3	1.6E+01	1.0E+00	1.0E+00	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloromethane	74-87-3	1.4E+02	4.1E-01	4.1E-01	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	156-59-2	1.4E+02	2.5E-01	2.5E-01	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	10061-01-5	8.0E+00	6.6E-03	6.6E-03	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyclohexane	110-82-7	7.5E+04	5.9E+03	5.9E+03	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	124-48-1	7.2E+01	4.9E-02	4.9E-02	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	75-71-8	1.4E+03	2.4E+02	2.4E+02	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichloromethane	75-09-2	3.9E+02	1.3E-02	1.3E-02	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	100-41-4	6.4E+03	7.6E+00	7.6E+00	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	98-82-8	4.3E+03	3.5E+02	3.5E+02	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl acetate	79-20-9	8.2E+04	4.9E+01	4.9E+01	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	1634-04-4	8.0E+02	6.2E-01	6.2E-01	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcyclohexane	108-87-2	4.1E+04	1.6E+04	1.6E+04	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	100-42-5	6.7E+03	3.3E+00	3.3E+00	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	127-18-4	1.0E+02	5.0E-02	5.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	108-88-3	5.9E+03	8.2E+00	8.2E+00	---	---	---	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	156-60-5	5.9E+02	4.9E-01	4.9E-01	---	---	---	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	10061-02-6	3.6E+01	3.6E-02	3.6E-02	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	79-01-6	1.2E+02	3.4E-02	3.4E-02	<0.00050	<0.0011	<0.0011	<0.00036	<0.0010	<0.0010	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049
Trichlorofluoromethane	75-69-4	2.5E+04	1.3E+02	1.3E+02	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	75-01-4	3.7E+00	2.2E-02	2.2E-02	---	---	---	---	---	---	---	---	---	---	---	---	---
Xylenes, Total	1330-20-7	6.0E+03	1.2E+02	1.2E+02	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
ft-bgs: feet below ground surface
$^{Air}GW_{Inh-V}$ PCL: TRRP Tier 1 PCL for inhalation of volatile COCs from Class 1, 2 or 3 grour
$^{GW}GW_{Ing}$ PCL: TRRP Tier 1 PCL for ingestion of COCs in Class 1 or 2 groundwater source
J - Analyte detected below quantitation limit

TABLE 2A
SUMMARY OF GW SAMPLE VOC RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	Tier 1 Residential		Critical PCL	MW-08																			
Sample Collection Date:		$^{GW}GW_{Ing}$ PCL	$^{Air}GW_{Inh-V}$ PCL		7/1/2011	1/17/2012	5/1/2012	7/31/2012	11/9/2012	5/20/2013	8/9/2013	8/9/2013 FD-02	12/2/2013	2/28/2014	5/22/2014	9/11/2014	1/13/2015	5/7/2015	7/15/2015	7/1/2011	1/17/2012	5/1/2012	7/30/2012
Volatile Organic Compounds (SW846 8260B)		(mg/l)	(mg/l)	(mg/l)	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q
1,1,1-Trichloroethane	71-55-6	5.2E+04	1.6E+00	1.6E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	79-34-5	3.0E+01	2.3E-02	2.3E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichlor-1,2,2-trifluoroethane	76-13-1	3.9E+05	8.0E+04	8.0E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	79-00-5	1.8E+01	2.0E-02	2.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	75-34-3	1.1E+04	1.8E+01	1.8E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	75-35-4	2.3E+03	5.0E-02	5.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	120-82-1	1.2E+02	4.8E+00	4.8E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	96-12-8	1.5E-01	1.7E-03	1.7E-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	106-93-4	7.3E-01	2.1E-04	2.1E-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	95-50-1	7.2E+02	1.8E+01	1.8E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	107-06-2	1.1E+01	1.4E-02	1.4E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	78-87-5	6.1E+01	2.3E-02	2.3E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	541-73-1	1.2E+02	6.7E+00	6.7E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	106-46-7	2.5E+02	2.1E+00	2.1E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	78-93-3	4.0E+04	2.9E+01	2.9E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Hexanone	591-78-6	2.7E+02	3.2E-01	3.2E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	108-10-1	5.9E+03	4.9E+00	4.9E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	67-64-1	6.6E+04	4.3E+01	4.3E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	71-43-2	1.2E+02	2.6E-02	2.6E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	75-27-4	9.8E+01	6.5E-02	6.5E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromoform	75-25-2	4.0E+02	6.3E-01	6.3E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromomethane	74-83-9	4.6E+01	1.3E-01	1.3E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	75-15-0	4.6E+03	1.4E+01	1.4E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	56-23-5	3.5E+01	6.2E-02	6.2E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	108-90-7	5.2E+02	1.1E+00	1.1E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethane	75-00-3	2.7E+04	3.1E+01	3.1E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	67-66-3	1.6E+01	1.0E+00	1.0E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloromethane	74-87-3	1.4E+02	4.1E-01	4.1E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	156-59-2	1.4E+02	2.5E-01	2.5E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	10061-01-5	8.0E+00	6.6E-03	6.6E-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyclohexane	110-82-7	7.5E+04	5.9E+03	5.9E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	124-48-1	7.2E+01	4.9E-02	4.9E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	75-71-8	1.4E+03	2.4E+02	2.4E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichloromethane	75-09-2	3.9E+02	1.3E-02	1.3E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	100-41-4	6.4E+03	7.6E+00	7.6E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	98-82-8	4.3E+03	3.5E+02	3.5E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl acetate	79-20-9	8.2E+04	4.9E+01	4.9E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	1634-04-4	8.0E+02	6.2E-01	6.2E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcyclohexane	108-87-2	4.1E+04	1.6E+04	1.6E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	100-42-5	6.7E+03	3.3E+00	3.3E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	127-18-4	1.0E+02	5.0E-02	5.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	108-88-3	5.9E+03	8.2E+00	8.2E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	156-60-5	5.9E+02	4.9E-01	4.9E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	10061-02-6	3.6E+01	3.6E-02	3.6E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	79-01-6	1.2E+02	3.4E-02	3.4E-02	0.011	0.014	0.0054	0.006	0.0117	0.0163	0.0124	0.0122	0.0122	0.0029	0.0088	0.013	NS	0.0081	0.0016	0.0081	<0.0011	<0.0011	<0.00036
Trichlorofluoromethane	75-69-4	2.5E+04	1.3E+02	1.3E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	75-01-4	3.7E+00	2.2E-02	2.2E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Xylenes, Total	1330-20-7	6.0E+03	1.2E+02	1.2E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
ft-bgs: feet below ground surface
$^{Air}GW_{Inh-V}$ PCL: TRRP Tier 1 PCL for inhalation of volatile COCs from Class 1, 2 or 3 grour
$^{GW}GW_{Ing}$ PCL: TRRP Tier 1 PCL for ingestion of COCs in Class 1 or 2 groundwater source
J - Analyte detected below quantitation limit

TABLE 2A
SUMMARY OF GW SAMPLE VOC RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	Tier 1 Residential		Critical PCL	MW-09									MW-10									
Sample Collection Date:		$^{GW}GW_{Ing}$ PCL	$^{Air}GW_{Inh-V}$ PCL		11/9/2012	5/20/2013	8/9/2013	11/21/2013	2/28/2014	5/22/2014	9/11/2014	1/14/2015	5/6/2015	9/16/2011	1/18/2012	5/1/2012	7/30/2012	11/9/2012	5/20/2013	8/9/2013	11/21/2013	5/22/2014	9/11/2014
Volatile Organic Compounds (SW846 8260B)		(mg/l)	(mg/l)	(mg/l)	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q
1,1,1-Trichloroethane	71-55-6	5.2E+04	1.6E+00	1.6E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	79-34-5	3.0E+01	2.3E-02	2.3E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichlor-1,2,2-trifluoroethane	76-13-1	3.9E+05	8.0E+04	8.0E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	79-00-5	1.8E+01	2.0E-02	2.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	75-34-3	1.1E+04	1.8E+01	1.8E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	75-35-4	2.3E+03	5.0E-02	5.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	120-82-1	1.2E+02	4.8E+00	4.8E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	96-12-8	1.5E-01	1.7E-03	1.7E-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	106-93-4	7.3E-01	2.1E-04	2.1E-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	95-50-1	7.2E+02	1.8E+01	1.8E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	107-06-2	1.1E+01	1.4E-02	1.4E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	78-87-5	6.1E+01	2.3E-02	2.3E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	541-73-1	1.2E+02	6.7E+00	6.7E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	106-46-7	2.5E+02	2.1E+00	2.1E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	78-93-3	4.0E+04	2.9E+01	2.9E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Hexanone	591-78-6	2.7E+02	3.2E-01	3.2E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	108-10-1	5.9E+03	4.9E+00	4.9E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	67-64-1	6.6E+04	4.3E+01	4.3E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	71-43-2	1.2E+02	2.6E-02	2.6E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	75-27-4	9.8E+01	6.5E-02	6.5E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromoform	75-25-2	4.0E+02	6.3E-01	6.3E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromomethane	74-83-9	4.6E+01	1.3E-01	1.3E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	75-15-0	4.6E+03	1.4E+01	1.4E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	56-23-5	3.5E+01	6.2E-02	6.2E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	108-90-7	5.2E+02	1.1E+00	1.1E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethane	75-00-3	2.7E+04	3.1E+01	3.1E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	67-66-3	1.6E+01	1.0E+00	1.0E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloromethane	74-87-3	1.4E+02	4.1E-01	4.1E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	156-59-2	1.4E+02	2.5E-01	2.5E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	10061-01-5	8.0E+00	6.6E-03	6.6E-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyclohexane	110-82-7	7.5E+04	5.9E+03	5.9E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	124-48-1	7.2E+01	4.9E-02	4.9E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	75-71-8	1.4E+03	2.4E+02	2.4E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichloromethane	75-09-2	3.9E+02	1.3E-02	1.3E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	100-41-4	6.4E+03	7.6E+00	7.6E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	98-82-8	4.3E+03	3.5E+02	3.5E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl acetate	79-20-9	8.2E+04	4.9E+01	4.9E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	1634-04-4	8.0E+02	6.2E-01	6.2E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcyclohexane	108-87-2	4.1E+04	1.6E+04	1.6E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	100-42-5	6.7E+03	3.3E+00	3.3E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	127-18-4	1.0E+02	5.0E-02	5.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	108-88-3	5.9E+03	8.2E+00	8.2E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	156-60-5	5.9E+02	4.9E-01	4.9E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	10061-02-6	3.6E+01	3.6E-02	3.6E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	79-01-6	1.2E+02	3.4E-02	3.4E-02	<0.0010	<0.0010	<0.00049	0.00052 J	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.0011	<0.0011	<0.0011	<0.00036	<0.0010	<0.0010	<0.00049	<0.00049	<0.00049	<0.00049
Trichlorofluoromethane	75-69-4	2.5E+04	1.3E+02	1.3E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	75-01-4	3.7E+00	2.2E-02	2.2E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Xylenes, Total	1330-20-7	6.0E+03	1.2E+02	1.2E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
ft-bgs: feet below ground surface
$^{Air}GW_{Inh-V}$ PCL: TRRP Tier 1 PCL for inhalation of volatile COCs from Class 1, 2 or 3 grour
$^{GW}GW_{Ing}$ PCL: TRRP Tier 1 PCL for ingestion of COCs in Class 1 or 2 groundwater source
J - Analyte detected below quantitation limit

TABLE 2A
SUMMARY OF GW SAMPLE VOC RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	Tier 1 Residential		Critical PCL	MW-11										MW-12								
Sample Collection Date:		$^{GW}GW_{ing}$ PCL	$^{Air}GW_{Inh-V}$ PCL		1/14/2015	5/6/2015	7/23/2013	8/8/2013	11/21/2013	2/28/2014	5/20/2014	9/10/2014	1/14/2015	5/7/2015	7/24/2013	8/9/2013	11/21/2013	2/28/2014	5/20/2014	9/11/2014	1/14/2015	5/7/2015	7/15/2015
Volatile Organic Compounds (SW846 8260B)		(mg/l)	(mg/l)	(mg/l)	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q
1,1,1-Trichloroethane	71-55-6	5.2E+04	1.6E+00	1.6E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	79-34-5	3.0E+01	2.3E-02	2.3E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichlor-1,2,2-trifluoroethane	76-13-1	3.9E+05	8.0E+04	8.0E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	79-00-5	1.8E+01	2.0E-02	2.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	75-34-3	1.1E+04	1.8E+01	1.8E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	75-35-4	2.3E+03	5.0E-02	5.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	120-82-1	1.2E+02	4.8E+00	4.8E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	96-12-8	1.5E-01	1.7E-03	1.7E-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	106-93-4	7.3E-01	2.1E-04	2.1E-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	95-50-1	7.2E+02	1.8E+01	1.8E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	107-06-2	1.1E+01	1.4E-02	1.4E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	78-87-5	6.1E+01	2.3E-02	2.3E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	541-73-1	1.2E+02	6.7E+00	6.7E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	106-46-7	2.5E+02	2.1E+00	2.1E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	78-93-3	4.0E+04	2.9E+01	2.9E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Hexanone	591-78-6	2.7E+02	3.2E-01	3.2E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	108-10-1	5.9E+03	4.9E+00	4.9E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	67-64-1	6.6E+04	4.3E+01	4.3E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	71-43-2	1.2E+02	2.6E-02	2.6E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	75-27-4	9.8E+01	6.5E-02	6.5E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromoform	75-25-2	4.0E+02	6.3E-01	6.3E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromomethane	74-83-9	4.6E+01	1.3E-01	1.3E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	75-15-0	4.6E+03	1.4E+01	1.4E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	56-23-5	3.5E+01	6.2E-02	6.2E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	108-90-7	5.2E+02	1.1E+00	1.1E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethane	75-00-3	2.7E+04	3.1E+01	3.1E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	67-66-3	1.6E+01	1.0E+00	1.0E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloromethane	74-87-3	1.4E+02	4.1E-01	4.1E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	156-59-2	1.4E+02	2.5E-01	2.5E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	10061-01-5	8.0E+00	6.6E-03	6.6E-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyclohexane	110-82-7	7.5E+04	5.9E+03	5.9E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	124-48-1	7.2E+01	4.9E-02	4.9E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	75-71-8	1.4E+03	2.4E+02	2.4E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichloromethane	75-09-2	3.9E+02	1.3E-02	1.3E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	100-41-4	6.4E+03	7.6E+00	7.6E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	98-82-8	4.3E+03	3.5E+02	3.5E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl acetate	79-20-9	8.2E+04	4.9E+01	4.9E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	1634-04-4	8.0E+02	6.2E-01	6.2E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcyclohexane	108-87-2	4.1E+04	1.6E+04	1.6E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	100-42-5	6.7E+03	3.3E+00	3.3E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	127-18-4	1.0E+02	5.0E-02	5.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	108-88-3	5.9E+03	8.2E+00	8.2E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	156-60-5	5.9E+02	4.9E-01	4.9E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	10061-02-6	3.6E+01	3.6E-02	3.6E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	79-01-6	1.2E+02	3.4E-02	3.4E-02	<0.00049	<0.00049	0.00059 J	0.00054 J	0.00091 J	0.00067 J	0.00057 J	0.0019	<0.00049	<0.00049	**0.159**	**0.123**	**0.092**	**0.089**	**0.081**	**0.118**	**0.057**	**0.122**	**0.0971**
Trichlorofluoromethane	75-69-4	2.5E+04	1.3E+02	1.3E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	75-01-4	3.7E+00	2.2E-02	2.2E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Xylenes, Total	1330-20-7	6.0E+03	1.2E+02	1.2E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
ft-bgs: feet below ground surface
$^{Air}GW_{Inh-V}$ PCL: TRRP Tier 1 PCL for inhalation of volatile COCs from Class 1, 2 or 3 grour
$^{GW}GW_{Ing}$ PCL: TRRP Tier 1 PCL for ingestion of COCs in Class 1 or 2 groundwater source
J - Analyte detected below quantitation limit

TABLE 2A
SUMMARY OF GW SAMPLE VOC RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	*Tier 1 Residential*		*Critical PCL*	MW-13								MW-14										
Sample Collection Date:		$^{GW}GW_{Ing}$ PCL	$^{Air}GW_{Inh-V}$ PCL		7/23/2013	8/8/2013	11/20/2013	2/27/2014	5/20/2014	9/8/2014	1/14/2015	5/6/2015	7/23/2013	8/8/2013	8/8/2013 FD-01	11/20/2013	11/20/2013 FD-01	2/28/2014	5/20/2014	9/8/2014	1/14/2015	5/6/2015	7/15/2015
Volatile Organic Compounds (SW846 8260B)		(mg/l)	(mg/l)	(mg/l)	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q
1,1,1-Trichloroethane	71-55-6	5.2E+04	1.6E+00	1.6E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	79-34-5	3.0E+01	2.3E-02	2.3E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichlor-1,2,2-trifluoroethane	76-13-1	3.9E+05	8.0E+04	8.0E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	79-00-5	1.8E+01	2.0E-02	2.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	75-34-3	1.1E+04	1.8E+01	1.8E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	75-35-4	2.3E+03	5.0E-02	5.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	120-82-1	1.2E+02	4.8E+00	4.8E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	96-12-8	1.5E-01	1.7E-03	1.7E-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	106-93-4	7.3E-01	2.1E-04	2.1E-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	95-50-1	7.2E+02	1.8E+01	1.8E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	107-06-2	1.1E+01	1.4E-02	1.4E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	78-87-5	6.1E+01	2.3E-02	2.3E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	541-73-1	1.2E+02	6.7E+00	6.7E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	106-46-7	2.5E+02	2.1E+00	2.1E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	78-93-3	4.0E+04	2.9E+01	2.9E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Hexanone	591-78-6	2.7E+02	3.2E-01	3.2E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	108-10-1	5.9E+03	4.9E+00	4.9E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	67-64-1	6.6E+04	4.3E+01	4.3E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	71-43-2	1.2E+02	2.6E-02	2.6E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	75-27-4	9.8E+01	6.5E-02	6.5E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromoform	75-25-2	4.0E+02	6.3E-01	6.3E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromomethane	74-83-9	4.6E+01	1.3E-01	1.3E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	75-15-0	4.6E+03	1.4E+01	1.4E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	56-23-5	3.5E+01	6.2E-02	6.2E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	108-90-7	5.2E+02	1.1E+00	1.1E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethane	75-00-3	2.7E+04	3.1E+01	3.1E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	67-66-3	1.6E+01	1.0E+00	1.0E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloromethane	74-87-3	1.4E+02	4.1E-01	4.1E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	156-59-2	1.4E+02	2.5E-01	2.5E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	10061-01-5	8.0E+00	6.6E-03	6.6E-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyclohexane	110-82-7	7.5E+04	5.9E+03	5.9E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	124-48-1	7.2E+01	4.9E-02	4.9E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	75-71-8	1.4E+03	2.4E+02	2.4E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichloromethane	75-09-2	3.9E+02	1.3E-02	1.3E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	100-41-4	6.4E+03	7.6E+00	7.6E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	98-82-8	4.3E+03	3.5E+02	3.5E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl acetate	79-20-9	8.2E+04	4.9E+01	4.9E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	1634-04-4	8.0E+02	6.2E-01	6.2E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcyclohexane	108-87-2	4.1E+04	1.6E+04	1.6E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	100-42-5	6.7E+03	3.3E+00	3.3E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	127-18-4	1.0E+02	5.0E-02	5.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	108-88-3	5.9E+03	8.2E+00	8.2E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	156-60-5	5.9E+02	4.9E-01	4.9E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	10061-02-6	3.6E+01	3.6E-02	3.6E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	79-01-6	1.2E+02	3.4E-02	3.4E-02	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	0.0038	0.0031	0.00099 J	0.0024	0.0023	0.0045	0.0044	0.0044	0.0053	0.0108	0.012
Trichlorofluoromethane	75-69-4	2.5E+04	1.3E+02	1.3E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	75-01-4	3.7E+00	2.2E-02	2.2E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Xylenes, Total	1330-20-7	6.0E+03	1.2E+02	1.2E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
ft-bgs: feet below ground surface
$^{Air}GW_{Inh-V}$ PCL: TRRP Tier 1 PCL for inhalation of volatile COCs from Class 1, 2 or 3 grour
$^{GW}GW_{Ing}$ PCL: TRRP Tier 1 PCL for ingestion of COCs in Class 1 or 2 groundwater source
J - Analyte detected below quantitation limit

TABLE 2A
SUMMARY OF GW SAMPLE VOC RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	*Tier 1 Residential*		*Critical PCL*	MW-15					MW-16					MW-17					MW-18			
Sample Collection Date:		$^{GW}GW_{Ing}$ PCL	$^{Air}GW_{Inh-V}$ PCL		1/8/2014	5/22/2014	9/11/2014	1/14/2015	5/6/2015	1/8/2014	5/20/2014	9/11/2014	1/14/2015	5/7/2015	1/8/2014	5/20/2014	9/10/2014	1/13/2015	5/6/2015	5/2/2014	5/22/2014	9/10/2014	1/13/2015
Volatile Organic Compounds (SW846 8260B)		(mg/l)	(mg/l)	(mg/l)	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q
1,1,1-Trichloroethane	71-55-6	5.2E+04	1.6E+00	1.6E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	79-34-5	3.0E+01	2.3E-02	2.3E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichlor-1,2,2-trifluoroethane	76-13-1	3.9E+05	8.0E+04	8.0E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	79-00-5	1.8E+01	2.0E-02	2.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	75-34-3	1.1E+04	1.8E+01	1.8E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	75-35-4	2.3E+03	5.0E-02	5.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	120-82-1	1.2E+02	4.8E+00	4.8E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	96-12-8	1.5E-01	1.7E-03	1.7E-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	106-93-4	7.3E-01	2.1E-04	2.1E-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	95-50-1	7.2E+02	1.8E+01	1.8E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	107-06-2	1.1E+01	1.4E-02	1.4E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	78-87-5	6.1E+01	2.3E-02	2.3E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	541-73-1	1.2E+02	6.7E+00	6.7E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	106-46-7	2.5E+02	2.1E+00	2.1E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	78-93-3	4.0E+04	2.9E+01	2.9E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Hexanone	591-78-6	2.7E+02	3.2E-01	3.2E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	108-10-1	5.9E+03	4.9E+00	4.9E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	67-64-1	6.6E+04	4.3E+01	4.3E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	71-43-2	1.2E+02	2.6E-02	2.6E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	75-27-4	9.8E+01	6.5E-02	6.5E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromoform	75-25-2	4.0E+02	6.3E-01	6.3E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromomethane	74-83-9	4.6E+01	1.3E-01	1.3E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	75-15-0	4.6E+03	1.4E+01	1.4E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	56-23-5	3.5E+01	6.2E-02	6.2E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	108-90-7	5.2E+02	1.1E+00	1.1E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethane	75-00-3	2.7E+04	3.1E+01	3.1E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	67-66-3	1.6E+01	1.0E+00	1.0E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloromethane	74-87-3	1.4E+02	4.1E-01	4.1E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	156-59-2	1.4E+02	2.5E-01	2.5E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	10061-01-5	8.0E+00	6.6E-03	6.6E-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyclohexane	110-82-7	7.5E+04	5.9E+03	5.9E+03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	124-48-1	7.2E+01	4.9E-02	4.9E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	75-71-8	1.4E+03	2.4E+02	2.4E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichloromethane	75-09-2	3.9E+02	1.3E-02	1.3E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	100-41-4	6.4E+03	7.6E+00	7.6E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	98-82-8	4.3E+03	3.5E+02	3.5E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl acetate	79-20-9	8.2E+04	4.9E+01	4.9E+01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	1634-04-4	8.0E+02	6.2E-01	6.2E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcyclohexane	108-87-2	4.1E+04	1.6E+04	1.6E+04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	100-42-5	6.7E+03	3.3E+00	3.3E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	127-18-4	1.0E+02	5.0E-02	5.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	108-88-3	5.9E+03	8.2E+00	8.2E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	156-60-5	5.9E+02	4.9E-01	4.9E-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	10061-02-6	3.6E+01	3.6E-02	3.6E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	79-01-6	1.2E+02	3.4E-02	3.4E-02	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049
Trichlorofluoromethane	75-69-4	2.5E+04	1.3E+02	1.3E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	75-01-4	3.7E+00	2.2E-02	2.2E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Xylenes, Total	1330-20-7	6.0E+03	1.2E+02	1.2E+02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
ft-bgs: feet below ground surface
$^{Air}GW_{Inh-V}$ PCL: TRRP Tier 1 PCL for inhalation of volatile COCs from Class 1, 2 or 3 grour
$^{GW}GW_{Ing}$ PCL: TRRP Tier 1 PCL for ingestion of COCs in Class 1 or 2 groundwater source
J - Analyte detected below quantitation limit

TABLE 2A
SUMMARY OF GW SAMPLE VOC RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	Tier 1 Residential		Critical PCL		TMW-01	TMW-02	TMW-03	TMW-20	CTTMW-01	CTTMW-02	CTTMW-03
Sample Collection Date:		$^{GW}GW_{Ing}$ PCL	$^{Air}GW_{Inh-V}$ PCL		5/6/2015	10/10/2013	10/10/2013	10/10/2013	7/15/2015	6/15/2011	7/1/2011	8/4/2011
Volatile Organic Compounds (SW846 8260B)		(mg/l)	(mg/l)	(mg/l)	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q
1,1,1-Trichloroethane	71-55-6	5.2E+04	1.6E+00	1.6E+00	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	79-34-5	3.0E+01	2.3E-02	2.3E-02	---	---	---	---	---	---	---	---
1,1,2-Trichlor-1,2,2-trifluoroethane	76-13-1	3.9E+05	8.0E+04	8.0E+04	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	79-00-5	1.8E+01	2.0E-02	2.0E-02	---	---	---	---	---	---	---	---
1,1-Dichloroethane	75-34-3	1.1E+04	1.8E+01	1.8E+01	---	---	---	---	---	---	---	---
1,1-Dichloroethene	75-35-4	2.3E+03	5.0E-02	5.0E-02	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	120-82-1	1.2E+02	4.8E+00	4.8E+00	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	96-12-8	1.5E-01	1.7E-03	1.7E-03	---	---	---	---	---	---	---	---
1,2-Dibromoethane	106-93-4	7.3E-01	2.1E-04	2.1E-04	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	95-50-1	7.2E+02	1.8E+01	1.8E+01	---	---	---	---	---	---	---	---
1,2-Dichloroethane	107-06-2	1.1E+01	1.4E-02	1.4E-02	---	---	---	---	---	---	---	---
1,2-Dichloropropane	78-87-5	6.1E+01	2.3E-02	2.3E-02	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	541-73-1	1.2E+02	6.7E+00	6.7E+00	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	106-46-7	2.5E+02	2.1E+00	2.1E+00	---	---	---	---	---	---	---	---
2-Butanone	78-93-3	4.0E+04	2.9E+01	2.9E+01	---	---	---	---	---	---	---	---
2-Hexanone	591-78-6	2.7E+02	3.2E-01	3.2E-01	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	108-10-1	5.9E+03	4.9E+00	4.9E+00	---	---	---	---	---	---	---	---
Acetone	67-64-1	6.6E+04	4.3E+01	4.3E+01	---	---	---	---	---	---	---	---
Benzene	71-43-2	1.2E+02	2.6E-02	2.6E-02	---	---	---	---	---	---	---	---
Bromodichloromethane	75-27-4	9.8E+01	6.5E-02	6.5E-02	---	---	---	---	---	---	---	---
Bromoform	75-25-2	4.0E+02	6.3E-01	6.3E-01	---	---	---	---	---	---	---	---
Bromomethane	74-83-9	4.6E+01	1.3E-01	1.3E-01	---	---	---	---	---	---	---	---
Carbon disulfide	75-15-0	4.6E+03	1.4E+01	1.4E+01	---	---	---	---	---	---	---	---
Carbon tetrachloride	56-23-5	3.5E+01	6.2E-02	6.2E-02	---	---	---	---	---	---	---	---
Chlorobenzene	108-90-7	5.2E+02	1.1E+00	1.1E+00	---	---	---	---	---	---	---	---
Chloroethane	75-00-3	2.7E+04	3.1E+01	3.1E+01	---	---	---	---	---	---	---	---
Chloroform	67-66-3	1.6E+01	1.0E+00	1.0E+00	---	---	---	---	---	---	---	---
Chloromethane	74-87-3	1.4E+02	4.1E-01	4.1E-01	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	156-59-2	1.4E+02	2.5E-01	2.5E-01	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	10061-01-5	8.0E+00	6.6E-03	6.6E-03	---	---	---	---	---	---	---	---
Cyclohexane	110-82-7	7.5E+04	5.9E+03	5.9E+03	---	---	---	---	---	---	---	---
Dibromochloromethane	124-48-1	7.2E+01	4.9E-02	4.9E-02	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	75-71-8	1.4E+03	2.4E+02	2.4E+02	---	---	---	---	---	---	---	---
Dichloromethane	75-09-2	3.9E+02	1.3E-02	1.3E-02	---	---	---	---	---	---	---	---
Ethylbenzene	100-41-4	6.4E+03	7.6E+00	7.6E+00	---	---	---	---	---	---	---	---
Isopropylbenzene	98-82-8	4.3E+03	3.5E+02	3.5E+02	---	---	---	---	---	---	---	---
Methyl acetate	79-20-9	8.2E+04	4.9E+01	4.9E+01	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	1634-04-4	8.0E+02	6.2E-01	6.2E-01	---	---	---	---	---	---	---	---
Methylcyclohexane	108-87-2	4.1E+04	1.6E+04	1.6E+04	---	---	---	---	---	---	---	---
Styrene	100-42-5	6.7E+03	3.3E+00	3.3E+00	---	---	---	---	---	---	---	---
Tetrachloroethene	127-18-4	1.0E+02	5.0E-02	5.0E-02	---	---	---	---	---	---	---	---
Toluene	108-88-3	5.9E+03	8.2E+00	8.2E+00	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	156-60-5	5.9E+02	4.9E-01	4.9E-01	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	10061-02-6	3.6E+01	3.6E-02	3.6E-02	---	---	---	---	---	---	---	---
Trichloroethene	79-01-6	1.2E+02	3.4E-02	3.4E-02	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.0011	<0.00050	<0.0011
Trichlorofluoromethane	75-69-4	2.5E+04	1.3E+02	1.3E+02	---	---	---	---	---	---	---	---
Vinyl chloride	75-01-4	3.7E+00	2.2E-02	2.2E-02	---	---	---	---	---	---	---	---
Xylenes, Total	1330-20-7	6.0E+03	1.2E+02	1.2E+02	---	---	---	---	---	---	---	---

Notes:
ft-bgs: feet below ground surface
$^{Air}GW_{Inh-V}$ PCL: TRRP Tier 1 PCL for inhalation of volatile COCs from Class 1, 2 or 3 grour
$^{GW}GW_{Ing}$ PCL: TRRP Tier 1 PCL for ingestion of COCs in Class 1 or 2 groundwater source
J - Analyte detected below quantitation limit

TABLE 2B
SUMMARY OF GW SAMPLE TPH RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	*Tier 1 Residential*		Critical PCL	MW-01		MW-02		MW-03		MW-05	
Date Sampled:		$^{GW}GW_{Ing}$ PCL	$^{Air}GW_{Inh-V}$ PCL		4/29/2011		4/29/2011		4/29/2011		4/29/2011	
Total Petroleum Hydrocarbons (TPH) TX1005		(mg/l)	(mg/l)	(mg/l)	Result (mg/kg)	Q	Result (mg/kg)	Q	Result (mg/kg)	Q	Result (mg/kg)	Q
TPH (C6-C12)	TPH-1005-1	9.8E-01	1.8E+03	9.8E-01	<0.20		<0.20		<0.19		<0.19	
TPH (>C12-C28)	TPH-1005-2	9.8E-01	7.5E+03	9.8E-01	<0.20		<0.20		<0.19		<0.19	
TPH (>C28-C35)	TPH-1005-4	9.8E-01	7.5E+03	9.8E-01	<0.20		<0.20		<0.19		<0.19	
TPH (C6-C35)	N/A	NE	NE	NE	<0.20		<0.20		<0.19		<0.19	

Notes:

NE - Not Established

ft-bgs: feet below ground surface

$^{Air}GW_{Inh-V}$ PCL: TRRP Tier 1 PCL for inhalation of volatile COCs from Class 1, 2 or 3 groundwater sources

$^{GW}GW_{Ing}$ PCL: TRRP Tier 1 PCL for ingestion of COCs in Class 1 or 2 groundwater sources

J - Analyte detected below quantitation limit

TABLE 2C
SUMMARY OF GW SAMPLE METALS RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	*Tier 1 Residential*		*Critical PCL*	MW-01	MW-02	MW-03	MW-04	MW-05	MW-06											
Sample Collection Date:		$^{GW}GW_{Ing}$ PCL	$^{air}GW_{Inh-V}$ PCL		4/29/2011	4/29/2011	4/29/2011	4/29/2011	4/29/2011	4/29/2011	1/17/2012	5/1/2012	7/30/2012	11/9/2012	5/20/2013	8/9/2013	12/2/2013	2/28/2014	5/22/2014	9/11/2014	1/14/2015
RCRA 8 Metals by EPA Method 6010B		(mg/l)	(mg/l)	(mg/l)	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q
Arsenic	7440-38-2	1.0E-02	NE	1.0E-02	0.00155 J	---	<0.00090	<0.00090	0.000987 J	---	---	---	---	---	---	---	---	---	---	---	---
Barium	7440-39-3	2.0E+00	NE	2.0E+00	---	---	0.667	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	7440-47-3	1.0E-01	NE	1.0E-01	---	---	---	---	---	**514**	**257**	**581**	**874**	**539**	**123**	**556**	**291**	**127**	**694**	**658**	**53.8**
Chromium, Hexavalent	18540-29-9				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	7439-92-1	1.5E-02	NE	1.5E-02	0.000683 J	0.00509	<0.00040	<0.00040	0.00136 J	<0.0080	---	---	---	---	---	---	---	---	---	---	---
Mercury	7439-97-6	2.0E-03	7.3E+00	2.0E-03	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
NE - Not Established
$^{Air}GW_{Inh-V}$ PCL: TRRP Tier 1 PCL for inhalation of volatile COCs from Class 1, 2 or 3 groundwater sources
$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that could be ingested
J - Analyte detected below quantitation limit

TABLE 2C
SUMMARY OF GW SAMPLE METALS RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	*Tier 1 Residential*		*Critical PCL*	MW-07																
Sample Collection Date:		$^{GW}GW_{Ing}$ PCL	$^{air}GW_{Inh-V}$ PCL		5/7/2015	7/15/2015	7/1/2011	1/17/2012	5/1/2012	7/30/2012	11/9/2012	5/20/2013	8/9/2013	11/21/2013	2/28/2014	5/20/2014	9/10/2014	1/13/2015	5/7/2015	7/1/2011	1/17/2012
RCRA 8 Metals by EPA Method 6010B		(mg/l)	(mg/l)	(mg/l)	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q
Arsenic	7440-38-2	1.0E-02	NE	1.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	7440-39-3	2.0E+00	NE	2.0E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	7440-47-3	1.0E-01	NE	1.0E-01	**471**	**89.7**	0.0135	0.00572	0.00384 J	0.007 J	0.0011 J	0.0019 J	0.00073 J	0.0017 J	0.00062 J	0.0009 J	<0.00062	0.0015 J	0.00064 J	0.0233	<0.0012
Chromium, Hexavalent	18540-29-9				**482**	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.0020	---	---
Lead	7439-92-1	1.5E-02	NE	1.5E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	7439-97-6	2.0E-03	7.3E+00	2.0E-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
NE - Not Established
$^{Air}GW_{Inh-V}$ PCL: TRRP Tier 1 PCL for inhalation of volatile COCs from Class 1, 2 or
$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that coul
J - Analyte detected below quantitation limit

TABLE 2C
SUMMARY OF GW SAMPLE METALS RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	*Tier 1 Residential*		*Critical PCL*	MW-08											
Sample Collection Date:		$^{GW}GW_{Ing}$ PCL	$^{air}GW_{Inh-V}$ PCL		5/1/2012	7/30/2012	11/9/2012	5/20/2013	8/9/2013	8/9/2013 FD-02	12/2/2013	2/28/2014	5/22/2014	9/11/2014	1/14/2015	5/7/2015
RCRA 8 Metals by EPA Method 6010B		(mg/l)	(mg/l)	(mg/l)	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q
Arsenic	7440-38-2	1.0E-02	NE	1.0E-02	---	---	---	---	---	---	---	---	---	---	---	---
Barium	7440-39-3	2.0E+00	NE	2.0E+00	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	7440-47-3	1.0E-01	NE	1.0E-01	0.00202 J	0.0117	0.0011 J	0.0023 J	0.0042 J	0.0111	0.0013 J	0.00077 J	0.0012 J	0.00098 J	NS	0.0011 J
Chromium, Hexavalent	18540-29-9				---	---	---	---	---	---	---	---	---	---	---	0.002 J
Lead	7439-92-1	1.5E-02	NE	1.5E-02	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	7439-97-6	2.0E-03	7.3E+00	2.0E-03	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
NE - Not Established
$^{Air}GW_{Inh-V}$ PCL: TRRP Tier 1 PCL for inhalation of volatile COCs from Class 1, 2 or
$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that coul
J - Analyte detected below quantitation limit

TABLE 2C
SUMMARY OF GW SAMPLE METALS RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	*Tier 1 Residential*		*Critical PCL*	MW-09																	
Sample Collection Date:		$^{GW}GW_{Ing}$ PCL	$^{air}GW_{Inh-V}$ PCL		7/1/2011	1/17/2012	5/1/2012	7/30/2012	11/9/2012	5/20/2013	8/9/2013	11/21/2013	2/28/2014	5/22/2014	9/11/2014	1/14/2015	5/6/2015	7/15/2015	9/16/2011	10/24/2011	1/18/2012	5/1/2012
RCRA 8 Metals by EPA Method 6010B		(mg/l)	(mg/l)	(mg/l)	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l)
Arsenic	7440-38-2	1.0E-02	NE	1.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	7440-39-3	2.0E+00	NE	2.0E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	7440-47-3	1.0E-01	NE	1.0E-01	0.0222	0.00608	0.00752	0.0241	0.004 J	0.0255	0.0044 J	0.0053 J	0.0156	0.0245	0.0218	**0.154**	**0.158**	**0.0976**	**0.146**	0.0081	0.0986	0.0182
Chromium, Hexavalent	18540-29-9				---	---	---	---	---	---	---	---	---	---	---	---	**0.12**	---	---	---	---	---
Lead	7439-92-1	1.5E-02	NE	1.5E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	7439-97-6	2.0E-03	7.3E+00	2.0E-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
NE - Not Established
$^{Air}GW_{Inh-V}$ PCL: TRRP Tier 1 PCL for inhalation of volatile COCs from Class 1, 2 or
$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that coul
J - Analyte detected below quantitation limit

TABLE 2C
SUMMARY OF GW SAMPLE METALS RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	*Tier 1 Residential*		*Critical PCL*		MW-10																	
Sample Collection Date:		$^{GW}GW_{Ing}$ PCL	$^{air}GW_{Inh-V}$ PCL			7/30/2012		11/9/2012		5/20/2013		5/20/2013 FD-01		8/9/2013		11/21/2013		5/22/2014		9/11/2014		1/14/2015		5/6/2015	
RCRA 8 Metals by EPA Method 6010B		(mg/l)	(mg/l)	(mg/l)	Q	Result (mg/l)	Q	Result (mg/l)	Q	Result (mg/l)	Q	Result (mg/l)	Q	Result (mg/l)	Q	Result (mg/l)	Q	Result (mg/l)	Q	Result (mg/l)	Q	Result (mg/l)	Q	Result (mg/l)	Q
Arsenic	7440-38-2	1.0E-02	NE	1.0E-02		---		---		---		---		---		---		---		---		---		---	
Barium	7440-39-3	2.0E+00	NE	2.0E+00		---		---		---		---		---		---		---		---		---		---	
Chromium	7440-47-3	1.0E-01	NE	1.0E-01		0.0125		0.0046	J	0.0163		0.0177		0.0354		0.0398		0.0194		0.0011	J	0.0017	J	0.0025	J
Chromium, Hexavalent	18540-29-9					---		---		---		---		---		---		---		---		---		0.003	J
Lead	7439-92-1	1.5E-02	NE	1.5E-02		---		---		---		---		---		---		---		---		---		---	
Mercury	7439-97-6	2.0E-03	7.3E+00	2.0E-03		---		---		---		---		---		---		---		---		---		---	

Notes:
NE - Not Established
$^{Air}GW_{Inh-V}$ PCL: TRRP Tier 1 PCL for inhalation of volatile COCs from Class 1, 2 or
$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that coul
J - Analyte detected below quantitation limit

TABLE 2C
SUMMARY OF GW SAMPLE METALS RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	*Tier 1 Residential*		*Critical PCL*	MW-11								MW-12								
Sample Collection Date:		$^{GW}GW_{Ing}$ PCL	$^{air}GW_{Inh-V}$ PCL		7/23/2013	8/8/2013	11/21/2013	2/28/2014	5/20/2014	9/10/2014	1/14/2015	5/7/2015	7/24/2013	8/9/2013	12/2/2013	2/28/2014	5/22/2014	9/11/2014	1/14/2015	5/7/2015	7/15/2015
RCRA 8 Metals by EPA Method 6010B		(mg/l)	(mg/l)	(mg/l)	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q
Arsenic	7440-38-2	1.0E-02	NE	1.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	7440-39-3	2.0E+00	NE	2.0E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	7440-47-3	1.0E-01	NE	1.0E-01	0.0022 J	0.0013 J	0.0012 J	<0.0062	0.0011 J	0.00086 J	0.00089 J	0.0013 J	**612**	**538**	**194**	**559**	**237**	**691**	**179**	**650**	**471**
Chromium, Hexavalent	18540-29-9				---	---	---	---	---	---	---	<0.0020	---	---	---	---	---	---	---	**675**	---
Lead	7439-92-1	1.5E-02	NE	1.5E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	7439-97-6	2.0E-03	7.3E+00	2.0E-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
NE - Not Established
$^{Air}GW_{Inh-V}$ PCL: TRRP Tier 1 PCL for inhalation of volatile COCs from Class 1, 2 or
$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that coul
J - Analyte detected below quantitation limit

TABLE 2C
SUMMARY OF GW SAMPLE METALS RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	*Tier 1 Residential*		*Critical PCL*	MW-13									MW-14					
Sample Collection Date:		$^{GW}GW_{Ing}$ PCL	$^{air}GW_{Inh-V}$ PCL		7/23/2013	8/8/2013	11/20/2013	2/27/2014	2/27/14 FD-01	5/20/2014	9/8/2014	1/14/2015	5/6/2015	7/23/2013	8/8/2013	8/8/2013 FD-01	11/20/2013	11/20/2013 FD-01	2/28/2014
RCRA 8 Metals by EPA Method 6010B		(mg/l)	(mg/l)	(mg/l)	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q
Arsenic	7440-38-2	1.0E-02	NE	1.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	7440-39-3	2.0E+00	NE	2.0E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	7440-47-3	1.0E-01	NE	1.0E-01	0.0034 J	0.0076 J	0.0011 J	<0.0062	<0.0062	0.0013 J	0.00094 J	0.0012 J	0.0007 J	0.0034 J	0.0015 J	0.00099 J	0.0013 J	0.0011 J	<0.0062
Chromium, Hexavalent	18540-29-9				---	---	---	---	---	---	---	---	<0.0020	---	---	---	---	---	---
Lead	7439-92-1	1.5E-02	NE	1.5E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	7439-97-6	2.0E-03	7.3E+00	2.0E-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
NE - Not Established
$^{Air}GW_{Inh-V}$ PCL: TRRP Tier 1 PCL for inhalation of volatile COCs from Class 1, 2 or
$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that coul
J - Analyte detected below quantitation limit

TABLE 2C
SUMMARY OF GW SAMPLE METALS RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	*Tier 1 Residential*		*Critical PCL*	MW-15										MW-16					
Sample Collection Date:		$^{GW}GW_{Ing}$ PCL	$^{air}GW_{Inh-V}$ PCL		5/20/2014	9/8/2014	1/14/2015	5/6/2015	1/8/2014	2/27/2014	5/22/2014	9/11/2014	1/14/2015	5/6/2015	1/8/2014	2/4/2014	2/28/2014	5/22/2014	9/11/2014	1/14/2015
RCRA 8 Metals by EPA Method 6010B		(mg/l)	(mg/l)	(mg/l)	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q
Arsenic	7440-38-2	1.0E-02	NE	1.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	7440-39-3	2.0E+00	NE	2.0E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	7440-47-3	1.0E-01	NE	1.0E-01	0.0012 J	0.00083 J	0.00075 J	0.00075 J	0.00088 J	0.0013 J	0.0012 J	0.0011 J	0.00079 J	0.00083 J	**0.791**	**1.23**	**2.48**	**1.12**	**0.294**	**2.1**
Chromium, Hexavalent	18540-29-9				---	---	---	<0.0020	---	---	---	---	---	<0.0020	---	---	---	---	---	---
Lead	7439-92-1	1.5E-02	NE	1.5E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	7439-97-6	2.0E-03	7.3E+00	2.0E-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
NE - Not Established
$^{Air}GW_{Inh-V}$ PCL: TRRP Tier 1 PCL for inhalation of volatile COCs from Class 1, 2 or
$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that coul
J - Analyte detected below quantitation limit

TABLE 2C
SUMMARY OF GW SAMPLE METALS RESULTS
NATIONAL FLAME and FORGE
HOUSTON, HARRIS COUNTY, TEXAS

Sample Identification:	CAS Number	*Tier 1 Residential*		*Critical PCL*			MW-17						MW-18					TMW-01	TMW-02	TMW-03	TMW-19
Sample Collection Date:		$^{GW}GW_{Ing}$ PCL	$^{air}GW_{Inh-V}$ PCL		5/7/2015	7/15/2015	1/8/2014	2/28/2014	5/20/2014	9/10/2014	1/13/2015	5/6/2015	5/2/2014	5/22/2014	9/10/2014	1/14/2015	5/6/2015	10/10/2013	10/10/2013	10/10/2013	7/15/2015
RCRA 8 Metals by EPA Method 6010B		(mg/l)	(mg/l)	(mg/l)	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q	Result (mg/l) Q
Arsenic	7440-38-2	1.0E-02	NE	1.0E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	7440-39-3	2.0E+00	NE	2.0E+00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	7440-47-3	1.0E-01	NE	1.0E-01	**0.978**	**0.162**	0.0019 J	0.00088 J	0.0015 J	0.00064 J	0.0022 J	0.0026 J	0.0021 J	0.0019 J	0.00073 J	0.0009 J	0.00074 J	0.0119	0.011	0.0387	0.0324
Chromium, Hexavalent	18540-29-9				**0.91**	---	---	---	---	---	---	<0.0020	---	---	---	---	0.002 J	---	---	---	---
Lead	7439-92-1	1.5E-02	NE	1.5E-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	7439-97-6	2.0E-03	7.3E+00	2.0E-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
NE - Not Established
$^{Air}GW_{Inh-V}$ PCL: TRRP Tier 1 PCL for inhalation of volatile COCs from Class 1, 2 or
$^{GW}Soil_{Ing}$ PCL: TRRP Tier 1 PCL for a soil COC leaching into groundwater that coul
J - Analyte detected below quantitation limit

APPENDIX H

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

Without a Municipal Setting Designation (MSD), the Texas Risk Reduction Program (TRRP) Tier 1 Residential Protective Concentration Levels (PCLs) for groundwater ingestion ($^{GW}GW_{Ing}$) would be used as the residential assessment levels (RALs) for groundwater. Reported concentrations of chromium and trichloroethylene in groundwater on the designated property and off the designated property (as described in ***Appendix F*** and depicted on ***Figure C-f***) exceed their respective TRRP Tier 1 Residential $^{GW}GW_{Ing}$ PCLs.

Relative to soil, without an MSD, the TRRP Tier 1 Residential PCLs for soil-to-groundwater leaching of chemicals of concern (COCs) to groundwater ($^{GW}Soil_{Ing}$) would be used as the RALs for soil. Reported concentrations of arsenic, barium, chromium, lead, mercury, TPH (C_6-C_{12}), TPH (C_{12}-C_{28}), and TPH (C_{28}-C_{35}) in soil on certain portions of the designated property (as described in Appendix F and depicted on Figure C-f) exceed their respective TRRP Tier 1 Residential $^{GW}Soil_{Ing}$ PCLs.