Erler & Kalinowski, Inc.

Consulting Engineers and Scientists

1870 Ogden Drive
Burlingame, CA 94010
(650) 292-9100
Fax: (650) 552-9012

17 August 2015

Kevin Hom
Hazardous Materials Specialist
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

Subject: Underground Storage Tank Closure Report
In Public Right-of-Way on Horton Street Adjacent to 5679 Horton Street, Emeryville, California
(EKI B20006.00 T7)

Dear Mr. Hom:

Erler & Kalinowski, Inc. ("EKI") is pleased to submit this letter on behalf of our client, the City of Emeryville as the Successor Agency to the Emeryville Redevelopment Agency ("Successor Agency"), summarizing closure of one underground storage tank ("UST"), located in the public right-of-way on Horton Street adjacent to 5679 Horton Street in Emeryville, California ("Site"; see Figure 1). The property at 5679 Horton Street is currently owned by the City of Emeryville ("City") and was occupied by the City's Public Works Department for use as a corporation yard between 1999 and 2012. The 5679 Horton Street property is also known as the Former Marchant/Whitney ("FMW Site"). Regulatory oversight for remedial investigation activities at the FMW Site is being provided by the California Department of Toxic Substances Control ("DTSC"), under a Voluntary Cleanup Agreement ("VCA") dated May 2012. This UST was discovered in May 2015 while retraction grouting a direct-push grab groundwater sampling location for off-site groundwater investigation activities associated with the FMW Site and the Site B Project Area in Emeryville, California, which is also under the regulatory oversight of DTSC (EKI, 2015). The origin, use, and ownership of the former UST are not currently known.

DESCRIPTION OF CLOSURE ACTIVITIES

The UST at the Site was removed on 17 June 2015 in accordance with the Alameda County Department of Environmental Health ("ACDEH") approved *Underground Storage Tank Closure Plan ("Closure Plan"), 5679 Horton Street, Emeryville, California,* dated 8 June 2015 and prepared by EKI. UST removal activities were performed under the oversight of ACDEH, and UST closure activities are summarized below:

- Cornerstone Environmental Contractors, Inc. ("Cornerstone") of Concord, California excavated soil to expose the UST and associated piping, and stockpiled the excavated soil within covered roll-off bins.

- Asbury Environmental Services ("Asbury"), of Dixon, California, vacuumed the liquid contents of the UST into a tanker truck, decontaminated the interior of the UST using a steam cleaner, and vacuumed the rinsate into the tanker truck. Cornerstone inserted dry ice into the UST to lower the lower explosive limit ("LEL") and oxygen concentration within the UST. Asbury transported and disposed of the liquid contents of the UST in accordance with the Closure Plan. Waste manifests are included in Attachment 2.
- The UST did not appear to have been previously decommissioned by abandoning in-place.
- Preparatory activities for UST removal described above were conducted prior to the arrival of ACDEH, at their request. Subsequent closure activities were performed with the oversight of Kevin Hom of ACDEH.
- Using a RAE system multi-gas monitor, Cornerstone measured between 0 and 5 percent oxygen and 0 percent LEL inside the inerted UST. The ACDEH representative confirmed that the atmosphere inside the UST was acceptable to commence with removal of the UST.
- Cornerstone removed the UST and associated piping from the excavation pit, wrapped it in plastic, loaded it into Ecology Control Industries' ("ECI's") truck bed, and strapped down the items for transport and disposal off-site. ECI, of Richmond, California, completed these tasks in accordance with the Closure Plan. Waste manifests are included in Attachment 2.
- EKI collected soil samples from the excavation sidewall and floor, and along the route of the associated piping, with the oversight of ACDEH. Soil disposal samples were also collected by EKI on behalf of Cornerstone. Soil samples were shipped to and analyzed by K-Prime, Inc., located in Santa Rosa, CA.
- In accordance with the Closure Plan and discussions with ACDEH via email on 26 May 2015, the excavation was immediately backfilled after collection of soil samples due to limited access conditions in the public right-of-way on Horton Street and adjacent underground utilities.
- On 22 June 2015, prior to surface completion of the UST excavation, Gregg Drilling & Testing, Inc. ("Gregg") of Martinez, California, destroyed monitoring well MW-2, adjacent to the former UST (Figure 2). The monitoring well was over-drilled using a hollow-stem auger, in accordance with an Alameda County Public Works Agency ("ACPWA") water resources well permit.

DESCRIPTION OF TANK, FITTINGS, AND PIPING CONDITIONS

Figure 2 provides a plan view drawing of the UST and associated connected piping. The UST was approximately 12-feet long and 3-feet in diameter with a volume of approximately 1,000 gallons. The UST was made of single-walled steel, and the outside of the UST was coated with a tarry wrap that was mostly intact. On the top of the UST, there were three 2-inch pipes (likely 2 product lines and one vent line) and one 4-inch fueling port. The 2-inch pipes connected to the UST ran parallel to the UST to the south, two leading towards the east underneath the sidewalk and one towards the south; the 4-inch pipe extended up approximately 3 feet vertically from the top of the UST. Piping leading out of the UST excavation were cut and capped. The

UST appeared to be in generally good condition. One hole was observed on top of the UST, approximately 6 inches in diameter, where the steel appeared to have been cut and peeled back prior to UST removal activities. Minor damage to the UST also occurred during discovery of and subsequent uncovering of the UST. No holes were observed along the associated piping. No signs of corrosion were observed on the UST or along associated piping.

The former contents of the UST were likely diesel, based on chemical analysis of a separate phase liquid sample previously collected from inside the in-place UST on 5 May 2015 (see Table 1).

DESCRIPTION OF UST EXCAVATION

The final extents of the UST excavation were approximately 9 feet wide and 12 feet long, extending to approximately 9.5 feet below ground surface ("ft bgs"; see Figure 2). The top of the tank was at approximately 5.5 ft bgs, and the bottom of the tank was at approximately 8.5 ft bgs. EKI, with direct oversight of Kevin Hom of ACDEH, instructed Cornerstone to excavate an additional 1 foot below the bottom of the UST. The stratigraphic units encountered within the excavation pit are approximately as follows[1]:

- 0.0 to 1.0 ft bgs – Asphalt
- 1.0 to 1.5 ft bgs – Baserock
- 1.5 to 7.0 ft bgs – Black and green, silty clay, fill material
- 7.0 to 9.5 ft bgs – Brown and gray, clayey silt, native material

Excavated soil surrounding the UST was slightly stained and odorous along the western and southern excavation sidewalls. During UST removal activities, no groundwater was observed within the excavation pit. The UST System Closure Inspection Report is included in Attachment 3.

DESCRIPTION OF WASTE DISPOSAL

On 16 June 2015, Asbury vacuumed approximately 800 gallons of the oily liquid contents of the in-place UST into a tanker truck. On 17 June 2015, Asbury returned to the Site to decontaminate the interior of the removed UST using a steam cleaner, and vacuumed approximately 200 gallons of the rinsate into the tanker truck. Cornerstone inserted dry ice into the UST to lower the lower explosive limit ("LEL") and oxygen concentration within the UST prior to removal of the UST. Asbury transported and disposed of the liquid contents of the UST and the rinsate in accordance with the Closure Plan. Waste manifests are included in Attachment 2.

Approximately 26 cubic yards of soil were excavated and loaded onto covered roll-off bins as part of UST closure activities in accordance with the Plan. The soil in the bins was

[1] The stratigraphic unit description is based on both field observations during UST demolition activities and the monitoring well MW-2 boring log.

characterized and disposed of at a permitted off-site disposal facility in accordance with applicable laws and regulations. Laboratory analytical reports and waste manifests are included in Attachments 1 and 2.

DESCRIPTION OF SOIL SAMPLING

EKI collected the following soil samples from the UST excavation in consultation with ACDEH and using Cornerstone's excavator bucket to collect in-place soil (Figure 3 and Tables 2 and 3):

- Prior to removal of piping and completion of excavation, four discrete soil samples were taken from beneath associated piping along the western and southern ends of the excavation pit, at approximately 2.0 to 2.5 ft bgs. Three of these soil sampling locations were eventually over-excavated (see Figure 3).
- At the excavation extents, the following soil samples were collected:
    - Two discrete floor soil samples (HUST-F01 and HUST-F02) were collected from beneath each end of the former UST at approximately 9.5 ft bgs; and
    - Four discrete sidewall soil samples (HUST-SW01 to HUST-SW04) were collected from each sidewall around the former UST location, at approximately 7.0 ft bgs.

DESCRIPTION OF WELL DESTRUCTION AND SURFACE COMPLETION

Following UST removal on 17 June 2015, Cornerstone placed a 12-inch diameter PVC casing around monitoring well MW-2, and backfilled the surrounding excavation pit up to approximately 5 ft bgs with drain rock and up to approximately 1 ft bgs with Class II aggregate base rock, per the Closure Plan. On 22 June 2015, Gregg over-drilled the monitoring well within the temporary casing to approximately 14.5 ft bgs, and backfilled the borehole with neat cement to approximately 1 ft bgs in accordance with the ACPWA water resources well permit. The original borehole log, water resources well permit, and well destruction report are included in Attachment 4.

SUMMARY OF ANALYTICAL RESULTS

Soil samples were analyzed for VOCs plus fuel oxygenates; total petroleum hydrocarbons ("TPH") as gasoline ("TPH-g"), as diesel ("TPH-d"), and as motor oil ("TPH-mo"); select metals, including cadmium, chromium, lead, nickel, and zinc; polychlorinated biphenyls ("PCBs"); and SVOCs in accordance with the Closure Plan. Soil analytical results and analytical methods are summarized in Tables 2 and 3. Selected screening criteria (based on the location of the UST within the public right-of-way on Horton Street) were selected to compare to the soil analytical results as follows:

- Regional Water Quality Control Board ("RWQCB") Environmental Screening Level ("ESL") for commercial/industrial land use, where groundwater is a current or potential

drinking water resource at shallow elevations based on the protection of human health and groundwater (RWQCB, 2013);
- United States Environmental Protection Agency ("U.S. EPA") Regional Screening Levels ("RSLs") for industrial land use (US EPA, 2015); and
- DTSC Office of Human and Ecological Risk ("HERO") Human Health Risk Assessment ("HHRA"), Note 3 (DTSC, 2015).

The soil analytical results from the UST excavation are discussed below.

- TPH – The sidewall soil sample HUST-SW04-7.0 along the western edge of the UST excavation area had a TPH-d concentration of 4,400 milligrams per kilogram ("mg/kg"), which is the highest TPH-d concentration detected in soil samples. The second highest TPH-d concentration in soil of 1,290 mg/kg was detected in the sidewall sample at HUST-SW03-7.0, along the southern edge of the excavation area (see Figure 3). These were the only detections of TPH-d in soil above their RWQCB ESL of 1,100 mg/kg (see Table 2). TPH-g and TPH-mo were not detected at concentrations greater than their respective screening criteria.
- Metals – Cadmium was detected in two soil samples (HUST-PPNG04-2.5 and HUST-SW02-7.0) at concentrations of 6.82 mg/kg and 7.97 mg/kg, respectively. These concentrations were greater than the DTSC HERO HHRA Note 3 screening criteria of 6.37 mg/kg, but much less than the U.S. EPA RSL (980 mg/kg) and RWQCB ESL (1,000 mg/kg).
- VOCs and SVOCs – The sidewall soil sample HUST-SW03-7.0 had detections of naphthalene of 5.42 mg/kg and 2-methylnaphthalene of 8.28 mg/kg, above their respective RWQCB ESLs (1.2 mg/kg and 0.25 mg/kg, respectively) but below their respective U.S. EPA RSLs (17 mg/kg and 3,000 mg/kg, respectively; see Table 3). Other VOCs and SVOCs were not detected in soil at concentrations greater than their respective screening criteria.
- PCBs – Aroclor 1260 was detected in one sidewall soil sample (HUST-SW02-7.0) at a concentration of 0.0332 mg/kg, which is well below its screening criterion of 1.0 mg/kg. Other PCBs were not detected in soil samples.

The analytical results for 3 grab groundwater samples collected near the UST excavation during off-site groundwater investigation activities associated with Site B are discussed below (Figure 2 and Table 4). Groundwater analytical results were compared to the California Department of Public Health Drinking Water Maximum Contaminant Levels ("MCLs") and the ESLs where groundwater is a current or potential drinking resource (RWQCB, 2013).

- TPH: TPH-d was detected in grab groundwater sample H-H-19-24 at 403 micrograms per liter ("ug/L"), which is slightly higher than the drinking water ESL of 100 ug/L. As indicated on the laboratory analytical report, TPH-g detected in H-H-19-24 did not resemble gasoline and was indicative of chlorinated VOCs.

- VOCs: Several chlorinated VOCs, including trichloroethene ("TCE"), trans-1,2-dichloroethene ("trans-1,2-DCE"), cis-1,2-dichloroethene ("cis-1,2-DCE"), vinyl chloride, and 1,2-dichloroethane ("1,2-DCA") were detected in one grab groundwater sample (H-H-19-24) at concentrations greater than the MCLs. Chlorinated VOCs are the primary chemicals of concern at the downgradient adjacent FMW Site (see Attachment 5).

  In grab groundwater sample H-H-28-32, VOCs, including benzene and naphthalene were detected at concentrations slightly above their respective RWQCB ESLs and MCLs (see Table 4).

- Metals: One grab groundwater sample (H-H-19-24) was analyzed for dissolved Title 22 metals. Cobalt was detected in this sample (17.4 ug/L) above its ESL of 4.7 ug/L; there is no MCL for cobalt. Other Title 22 metals were either not detected or were not detected above screening criteria.

CONCLUSIONS

The UST discovered during groundwater investigation activities related to the FMW Site and Site B projects may have been installed as part of the former Marchant Calculating Machine Company facility (late 1910s to late 1950s) or subsequent light industrial businesses that historically occupied the area. The UST appears to have been utilized as a diesel fuel tank. Subsequent redevelopment of the area likely resulted in the tank being left in place beneath Horton Street. The observations made and the data collected during the UST removal support the following conclusions:

1) No significant releases of diesel fuel occurred from the UST or the associated piping in the area excavated for the UST removal based upon observations of minimal soil impacts and low concentrations of TPH-d and other TPH-related compounds in confirmation soil samples.
2) No significant releases of TPH-related VOCs occurred from the UST or associated piping in the excavation area based on the results of confirmation soil sampling.
3) No releases of chlorinated VOCs, metals, or PCBs occurred from the UST based on the results of confirmation soil sampling.
4) There is no indication of groundwater impacts due to TPH releases from the UST or piping at the location of the excavation based on the observations of minimal impacts to soil, the results of confirmation soil samples in the bottom of the excavation, and the results of groundwater sampling in the vicinity (see Attachment 5).
5) The tank is not a source of the chlorinated VOCs observed in groundwater at the downgradient FMW Site based on the results of groundwater sampling conducted in the vicinity (see Attachment 5).

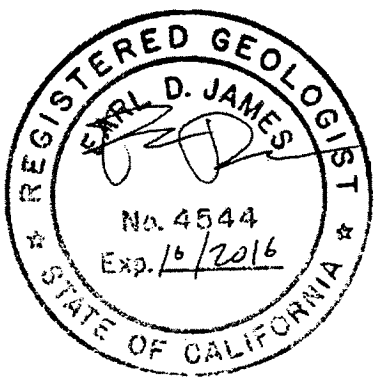
No further investigation or remedial activities are planned in the vicinity of the former UST.

Please call if you have questions or wish to discuss this letter in further detail.

Very truly yours,

ERLER & KALINOWSKI, INC.

Earl D. James, P.G.
Vice President



Joy Su, P.E.
Project Manager

cc: Michael Guina, City Attorney
Michael G. Biddle, Burke, Williams & Sorrensen, LLP
Karen Toth, DTSC

REFERENCES

EKI, 2012. *Final Subsurface Environmental Investigations Report, 5679 Horton Street, Former Marchant/Whitney Site, Emeryville, California,* Erler & Kalinowski, Inc., August, 2012.

EKI, 2015. *Final Work Plan for Additional Groundwater Investigation, Site B Project Area, Emeryville, California,* Erler & Kalinowski, Inc., March, 2015.

DTSC, 2015. *Human Health Risk Assessment Note 3 - DTSC Modified Screening Levels (DTSC-SLs),* California Department of Toxic Substances Control, May 2015.

RWQCB, 2013. *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater,* Interim Final, California Regional Water Quality Control Board, updated December 2013.

US EPA, 2015. *Screening Levels for Chemical Contaminants,* United States Environmental Protection Agency, January 2015.

LIST OF TABLES

Table 1 Summary of Analytical Results for UST Contents Sample
Table 2 Summary of Analytical Results for TPH and Metals in Soil Samples
Table 3 Summary of Analytical Results for VOCs, SVOCs, and PCBs in Soil Samples
Table 4 Summary of Analytical Results for Grab Groundwater Samples

LIST OF FIGURES

Figure 1 UST Closure Plot Plan
Figure 2 UST Plan View
Figure 3 Soil Sampling Locations

LIST OF ATTACHMENTS

Attachment 1 Laboratory Analytical Reports Including Chain-of-Custody Records
Attachment 2 Waste Manifests
Attachment 3 UST Closure Inspection Report
Attachment 4 Boring Log, Well Destruction Permit, and DWR
Attachment 5 Summary of Groundwater Analytical Results from the FMW Site

TABLE 1
Summary of Analytical Results for UST Sample
5679 Horton Street, Emeryville, California

Sample ID	Sample Date	Sample Depth (ft bgs)	Analytical Results in mg/kg (a)(b)														
			TPH			Detected VOCs											
			TPH-g	TPH-d	TPH-mo	Ethylbenzene	Xylene (m,p)	Xylene (o)	Isopropylbenzene	N-propylbenzene	1,3,5-TMB	1,2,4-TMB	Sec-butylbenzene	4-isopropyltoluene	N-butylbenzene	Napthalene	Other VOCs
H-H-6.5-9	5/5/2015	6.5 - 9.0	15,900	731,000	<40,000	72.9	295	81.5	44.4	83.5	197	631	63.8	77	140	1,000	ND

Abbreviations
<40,000 = not detected at or above indicated laboratory detection limit
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram
ND = not detected
TMB = trimethylbenzene
TPH-(g/d/mo) = total petroleum hydrocarbons as (gasoline/diesel/motor oil)
VOCs = volatile organic compounds

Notes
(a) Samples analyzed by K-Prime, Inc., Santa Rosa, CA using EPA Method 8260B for TPH-g and VOCs.
(b) Analytical results are listed in units of milligrams of contaminant per kilogram of product.

TABLE 2
Summary of Analytical Results for TPH and Metals in Soil Samples
5679 Horton Street, Emeryville, California

Sample ID	Sample Date	Sample Depth (ft bgs)	Analytical Results in mg/kg dry weight (a)(b)							
			TPH			Metals				
			TPH-g	TPH-d	TPH-mo	Cadmium	Chromium	Lead	Nickel	Zinc
Piping-related Samples (c)										
~~HUST-PPNG01-2.5~~	~~6/17/2015~~	~~2.5~~	~~<1.00~~	~~180 (AC)~~	~~252~~	~~<3.14~~	~~27.8~~	~~10.1~~	~~35.6~~	~~43.3~~
~~HUST-PPNG02-2.0~~	~~6/17/2015~~	~~2.0~~	~~4.92~~	~~225 (AC)~~	~~330~~	~~3.16~~	~~31.1~~	~~46.1~~	~~47.6~~	~~971~~
~~HUST-PPNG03-2.0~~	~~6/17/2015~~	~~2.0~~	~~13.1~~	~~1,020~~	~~232~~	~~<2.92~~	~~37.8~~	~~37.2~~	~~53.4~~	~~134~~
HUST-PPNG04-2.5	6/17/2015	2.5	<1.00	350 (AC)	427	**6.82**	29.1	121	190	2,620
UST Sidewall Samples										
HUST-SW01-7.0	6/17/2015	7.0	2.96	1,080	164	<2.94	32.0	6.13	34.5	35.4
HUST-SW02-7.0	6/17/2015	7.0	4.66	267	53.3	**7.97**	36.0	15.8	38.5	84.2
HUST-SW03-7.0	6/17/2015	7.0	5.70	**1,290**	120	<2.71	32.2	26.1	37.7	53.1
HUST-SW04-7.0	6/17/2015	7.0	6.31	**4,440**	534	<2.92	31.3	5.37	25.7	31.2
UST Floor Samples										
HUST-F01-9.5	6/17/2015	9.5	<1.00	<12.0	<12.0	<3.01	42.7	7.39	58.1	66.1
HUST-F02-9.5	6/17/2015	9.5	<1.00	<11.8	<11.8	<2.96	45.6	8.54	56.1	65.3
RWQCB ESL - Comm./Ind. (d)			***4,000***	***1,100***	***100,000***	***1,000***	***2,500***	***320***	***19,000***	***310,000***
U.S. EPA RSL - Ind. (e)			***na***	***na***	***na***	***980***	***na***	***800***	***22,000***	***350,000***
DTSC HERO HHRA Note 3 - Comm./Ind. (f)			***na***	***na***	***na***	***6.37***	***na***	***320***	***na***	***na***

TABLE 2
Summary of Analytical Results for TPH and Metals in Soil Samples
5679 Horton Street, Emeryville, California

Abbreviations

<2.96 = not detected at or above laboratory detection limit
AC = Heavier hydrocarbons contributing to diesel range quantification
DTSC = Department of Toxic Substances Control
ESL = environmental screening level
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram
na = not applicable
RSL = regional screening level
RWQCB = Regional Water Quality Control Board, San Francisco Bay region
TPH-(g/d/mo) = total petroleum hydrocarbons as (gasoline/diesel/motor oil)
U.S. EPA = United States Environmental Protection Agency

Notes

(a) Samples analyzed by K-Prime, Inc., Santa Rosa, CA using EPA Method 8015B for TPH-g/-d/-mo, and EPA Method 6020 for metals.
(b) **Bold** value indicates detected concentration exceeds one or more soil screening criteria.
(c) Grayed out confirmation soil sample locations have been over-excavated during UST demolition activities.
(d) Selected screening levels are based on RWQCB ESLs in Table A-2 for commercial/industrial land use where groundwater is a current or potential drinking resource at shallow (less than or equal to 3 meters bgs) elevations. Selected ESLs are based on either Protection of Human Health or Groundwater Protection.
(e) Screening levels based on U.S. EPA's RSLs for industrial land use (TR=1E-6, HQ=1).
(f) Screening levels based on DTSC's Human Health Risk Assessment (HERO HHRA) Guidance for commercial/industrial land use, as listed in Note 3, table 1.

References

DTSC, 2015. *Human Health Risk Assessment Note 3 - DTSC Modified Screening Levels (DTSC-SLs),* California Department of Toxic Substances Control, May 2015.
RWQCB, 2013. *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater,* Interim Final, California Regional Water Quality Control Board, updated December 2013.
US EPA, 2015. *Screening Levels for Chemical Contaminants,* United States Environmental Protection Agency, January 2015.

TABLE 3
Summary of Analytical Results for VOCs, SVOCs, and PCBs in Soil Samples
5679 Horton Street, Emeryville, California

Sample ID	Sample Date	Sample Depth (ft bgs)	Analytical Results in mg/kg dry weight (a)(b)													
			VOCs					SVOCs						PCBs		
			cis-1,2-DCE	Trichloroethene	1,2,4-TMB	Naphthalene	Other VOCs	Anthracene	Fluorene	2-methylnaphthalene	Naphthalene	Phenanthrene	Other SVOCs	Aroclor 1254	Aroclor 1260	Other PCBs
Piping-related Samples (c)																
~~HUST-PPNG01-2.5~~	~~6/17/2015~~	~~2.5~~	~~<0.00188~~	~~0.00188~~	~~<0.00188~~	~~<0.00376~~	~~ND~~	~~<0.333~~	~~<0.333~~	~~<0.333~~	~~<0.333~~	~~<0.333~~	~~ND~~	~~0.0278~~	~~0.219~~	~~ND~~
~~HUST-PPNG02-2.0~~	~~6/17/2015~~	~~2.0~~	~~<0.00175~~	~~0.01~~	~~<0.00175~~	~~0.00703~~	~~ND~~	~~<1.66~~	~~<1.66~~	~~<1.66~~	~~<1.66~~	~~<1.66~~	~~ND~~	~~<0.0252~~	~~0.0264~~	~~ND~~
~~HUST-PPNG03-2.0~~	~~6/17/2015~~	~~2.0~~	~~<0.235~~	~~<0.235~~	~~0.258~~	~~<0.471~~	~~ND~~	~~<1.66~~	~~<1.66~~	~~<1.66~~	~~<1.66~~	~~<1.66~~	~~ND~~	~~<0.0252~~	~~<0.0252~~	~~ND~~
HUST-PPNG04-2.5	6/17/2015	2.5	0.00174	0.00228	<0.00148	0.00404	ND	<1.66	<1.66	<1.66	<1.66	<1.66	ND	<0.0252	<0.0252	ND
UST Sidewall Samples																
HUST-SW01-7.0	6/17/2015	7.0	<0.236	<0.236	<0.236	<0.471	ND	<0.333	<0.333	<0.333	<0.333	<0.333	ND	<0.0252	<0.0252	ND
HUST-SW02-7.0	6/17/2015	7.0	<0.251	<0.251	<0.251	<0.501	ND	<0.333	<0.333	<0.333	<0.333	<0.333	ND	<0.0252	0.0332	ND
HUST-SW03-7.0	6/17/2015	7.0	<1.08	<1.08	2.05	**5.42**	ND	<0.333	1.39	**8.28**	**2.15**	2.07	ND	<0.0252	<0.0252	ND
HUST-SW04-7.0	6/17/2015	7.0	<0.234	<0.234	<0.234	<0.467	ND	2.04	1.35	<0.333	<0.333	1.24	ND	<0.0252	<0.0252	ND
UST Floor Samples																
HUST-F01-9.5	6/17/2015	9.5	<0.00178	<0.00178	<0.00178	<0.00356	ND	<0.333	<0.333	<0.333	<0.333	<0.333	ND	<0.0252	<0.0252	ND
HUST-F02-9.5	6/17/2015	9.5	<0.00177	<0.00177	<0.00177	<0.00355	ND	<0.333	<0.333	<0.333	<0.333	<0.333	ND	<0.0252	<0.0252	ND
RWQCB ESL - Comm./Ind. (d)			***0.19***	***0.46***	***na***	***1.2***	***--***	***2.8***	***8.9***	***0.25***	***1.2***	***11***	***--***	***na***	***na***	***--***
U.S. EPA RSL - Ind. (e)			***2,300***	***6.0***	***240***	***17***	***--***	***230,000***	***30,000***	***3,000***	***17***	***na***	***--***	***1.0***	***1.0***	***--***
DTSC HERO HHRA Note 3 - Comm./Ind. (f)			***na***	***na***	***na***	***na***	***--***	***na***	***na***	***na***	***na***	***na***	***--***	***na***	***na***	***--***

Abbreviations

<2.96 = not detected at or above laboratory detection limit
DTSC = California Department of Toxic Substances Control
ESL = environmental screening level
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram
na = not applicable
PCBs = poly-chlorinated biphenyls
RSL = regional screening level
RWQCB = Regional Water Quality Control Board, San Francisco Bay region
SVOCs = semi-volatile organic compounds
TMB = trimethylbenzene
VOCs = volatile organic compounds
U.S. EPA = United States Environmental Protection Agency

Notes

(a) Samples analyzed by K-Prime, Inc., Santa Rosa, CA using EPA method 8260B for VOCs, EPA Method 8270 for SVOCs, and EPA Method 8082A for PCBs.
(b) **Bold** value indicates detected concentration exceeds one or more soil screening criteria.
(c) Grayed out confirmation soil sample locations have been over-excavated during UST demolition activities.
(d) Selected screening levels are based on RWQCB ESLs in Table A-2 for commercial/industrial land use where groundwater is a current or potential drinking resource at shallow (less than or equal to 3 meters bgs) elevations. Selected ESLs are based on either Protection of Human Health or Groundwater Protection.
(e) Screening levels based on U.S. EPA RSLs for industrial land use (TR=1E-6, HQ=1).
(f) Screening levels based on DTSC's Human Health Risk Assessment (HERO HHRA) Guidance for commercial/industrial land use, as listed in Note 3, table 1.

TABLE 3
Summary of Analytical Results for VOCs, SVOCs, and PCBs in Soil Samples
5679 Horton Street, Emeryville, California

References

DTSC, 2015. *Human Health Risk Assessment Note 3 - DTSC Modified Screening Levels (DTSC-SLs),* California Department of Toxic Substances Control, May 2015.
RWQCB, 2013. *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater,* Interim Final, California Regional Water Quality Control Board, updated December 2013.
US EPA, 2015. *Screening Levels for Chemical Contaminants,* United States Environmental Protection Agency, January 2015.

TABLE 4
Summary of Analytical Results for Grab Groundwater Samples
5679 Horton Street, Emeryville, California

Sample ID	Sample Date	Sample Depth (ft bgs)	Analytical Results in ug/L (a)(b)(c)																							
			TPH		VOCs																	Dissolved Title 22 Metals						
			TPH-g	TPH-d (f)	Vinyl Chloride	trans-1,2-DCE	cis-1,2-DCE	Benzene	1,2-DCA	Trichloroethene	Ethylbenzene	Xylenes-m,p	Xylenes-o	Isopropylbenzene	n-propylbenzene	1,3,5-TMB	1,2,4-TMB	sec-butylbenzene	n-butylbenzene	Naphthalene	Other VOCs	Barium	Cobalt	Copper	Molybdenum	Nickel	Zinc	Other Title 22 Metals
H-H-19-24	5/5/2015	19 - 24	**781 (AE,CO)**	**403**	**10.6**	**123**	**185**	<10.0	**24.1**	**1,530**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	ND	127	**17.4**	1.36	25.5	16.6	13.4	ND
H-H-28-32	5/5/2015	28 - 32	--	--	<0.5	<0.5	<0.5	**2.92**	<0.5	<0.5	3.60	15.0	5.13	1.17	1.82	4.58	15.9	1.09	2.14	**35.9**	ND	--	--	--	--	--	--	--
H-H-42-46	5/5/2015	42 - 46	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND	--	--	--	--	--	--	--
MCLs (d)			***na***	***na***	***0.5***	***10***	***6***	***1.0***	***0.5***	***5***	***300***	***1,750***	***1,750***	***na***	***na***	***na***	***na***	***na***	***na***	***na***	***--***	***1,000***	***na***	***1,300***	***na***	***100***	***na***	***--***
RWQCB ESL - Comm./Ind. (e)			***100***	***100***	***0.5***	***10***	***6***	***1.0***	***0.5***	***5***	***30***	***20***	***20***	***na***	***na***	***na***	***na***	***na***	***na***	***6.1***	***--***	***1,000***	***4.7***	***1,000***	***78***	***100***	***5,000***	***--***

Abbreviations
<0.5 = not detected at or above laboratory detection limit
-- = not analyzed
AE = Unknown hydrocarbon with a single peak
CO = Hydrocarbon response in gasoline range but does not resemble gasoline
DCA = dichloroethane
DCE = dichloroethene
EPA = Environmental Protection Agency
ESL = environmental screening level
ft bgs = feet below ground surface
MCLs = Maximum Contaminant Levels
na = not applicable
ND = not detected
RWQCB - Regional Water Quality Control Board, San Francisco Bay region
TMB = Trimethylbenzene
TPH-(g/d) = total petroleum hydrocarbons as (gasoline/diesel)
ug/L = micrograms per liter
VOCs = volatile organic compounds

Notes
(a) Samples analyzed by K-Prime, Inc., Santa Rosa, CA using EPA Method 8260 for VOCs, EPA Method 8015B for TPH-g and TPH-d (with silica gel cleanup), and EPA Method 200.8 for metals.
(b) **Bold** value indicates detected concentration exceeds one or more soil screening criteria.
(c) Analytical results are listed in units of micrograms per liter of water.
(d) Screening levels based on California Department of Public Health's Drinking Water MCLs.
(e) Selected screening levels are based on RWQCB ESLs Table F-1a for groundwater where groundwater is a current or potential drinking resource. Selected ESLs are based on either the Groundwater Ceiling Value (taste, odor, etc.) or Drinking Water.
(f) TPH-d with silica gel cleanup.

References
CDPH, 2014. *Drinking Water Maximum Contaminant Levels* , California Department of Public Health, June 2014.
RWQCB, 2013. *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater,* Interim Final, California Regional Water Quality Control Board, updated December 2013.

Basemap Source: Google Earth Pro, date of imagery October 2014.

Legend:

FMW Property Boundary

Abbreviations:

UST = underground storage tank

Notes:

1. All locations are approximate.

0 80 160

(Approximate Scale in Feet)

N

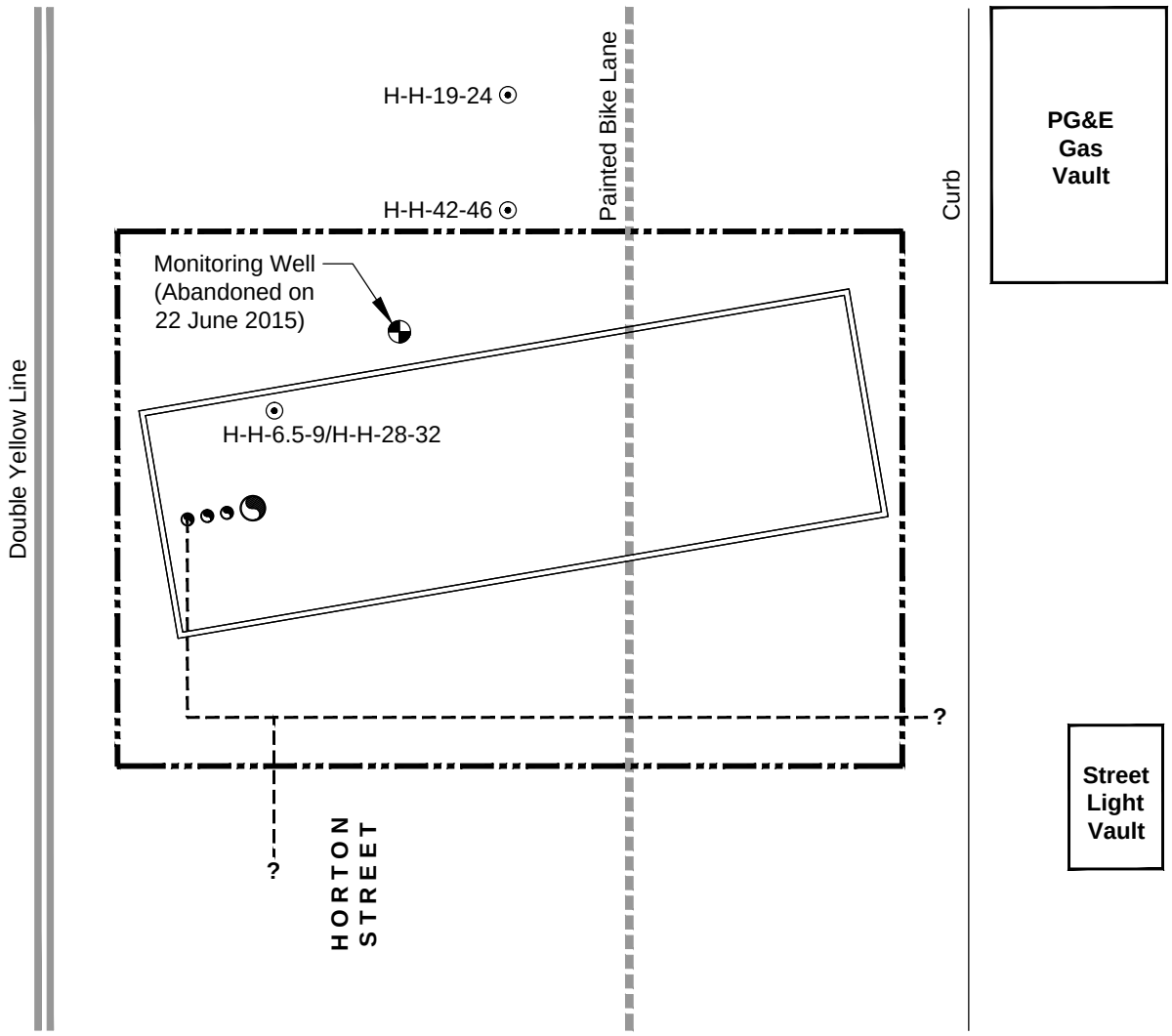
Erler & Kalinowski, Inc.

UST Closure Plot Plan

Emeryville, CA
August 2015
EKI B20006.00

Figure 1

C:\Users\rvicasata\appdata\local\temp\AcPublish_1132\Figure 1.dwg 8-12-15



Legend:

- Approximate Location of UST
- Approximate Limit of UST Excavation Pit
- Approximate Location of Associated UST Piping
- UST Fuel, Product, and Vent Ports
- Borehole

Abbreviations:

UST = underground storage tank

Notes:

1. All locations are approximate.

0 3 6

(Approximate Scale in Feet)

N

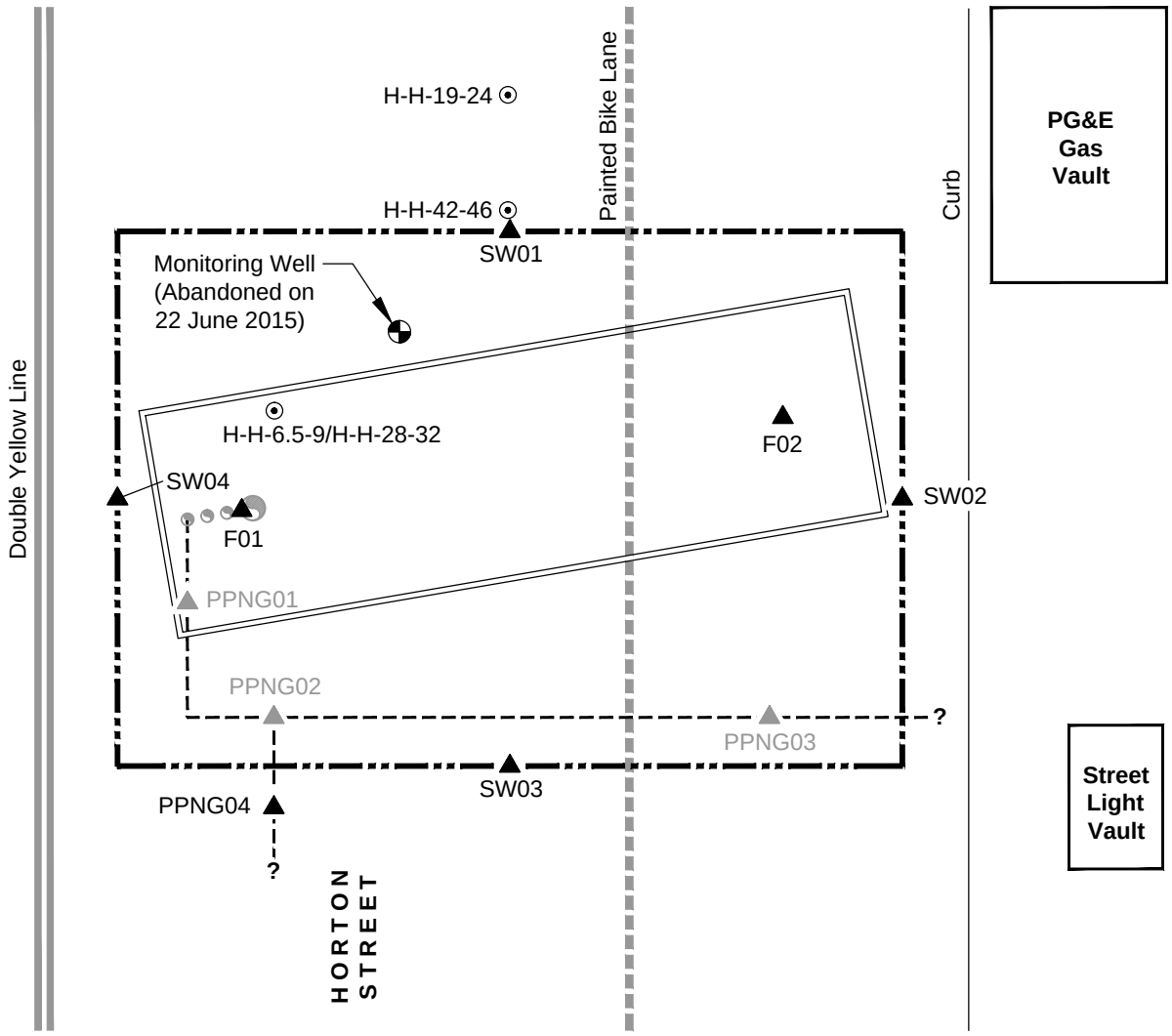
Erler & Kalinowski, Inc.

UST Plan View

Emeryville, CA
August 2015
EKI B20006.00

Figure 2

C:\Users\rvicasata\appdata\local\temp\AcPublish_1132\Figure 2 and 3.dwg 8-12-15



Legend:

- Approximate Location of UST
- Approximate Limit of UST Excavation Pit
- Approximate Location of Associated UST Piping
- UST Fuel, Product, and Vent Ports
- Borehole
- Confirmation Soil Sampling Location

Abbreviations:

UST = underground storage tank

Notes:

1. All locations are approximate.
2. Grayed out confirmation soil sample locations have been over-excavated during UST demolition activities.

0 3 6

(Approximate Scale in Feet)

N

Erler & Kalinowski, Inc.

Soil Sampling Locations

Emeryville, CA
August 2015
EKI B20006.00

Figure 3

C:\Users\rvicasata\appdata\local\temp\AcPublish_1132\Figure 2 and 3.dwg 8-12-15

Attachment 1

Laboratory Analytical Reports Including Chain-of-Custody Records

K PRIME, Inc.

CONSULTING ANALYTICAL CHEMISTS

3621 Westwind Blvd.
Santa Rosa CA 95403
Phone: 707 527 7574
FAX: 707 527 7879

TRANSMITTAL

DATE: 5/13/2015

TO: MS. JOY SU
MS. JESSICA DAUGHERTY
MR. WILL HASSETT
ERLER & KALINOWSKI, INC.
1870 OGDEN DRIVE
BURLINGAME, CA 94010

Phone: 650-292-9100
Email: labs@ekiconsult.com
jsu@ekiconsult.com
jdaugherty@ekiconsult.com
whassett@ekiconsult.com

ACCT: 9115
PROJ: A40028.01 T5

FROM: Richard A. Kagel, Ph.D.
Laboratory Director RAK by cr 5/13/2015

SUBJECT: LABORATORY RESULTS FOR YOUR PROJECT A40028.01 T5

Enclosed please find K Prime's laboratory reports for the following samples:

SAMPLE ID	TYPE	DATE	TIME	KPI LAB #
H-G-18-22	WATER	5/5/2015	10:13	132544
H-G-18-22	WATER	5/5/2015	17:19	132545
H-H-19-24	WATER	5/5/2015	17:15	132546
H-G-60-65	WATER	5/5/2015	12:56	132547
H-G-60-65-DUP	WATER	5/5/2015	12:56	132548
H-H-28-32	WATER	5/5/2015	14:33	132549
H-G-36-40	WATER	5/5/2015	16:55	132550

The above listed sample group was received on 5/5/2015 and tested as requested on the chain of custody document.

Please call me if you have any questions or need further information.
Thank you for this opportunity to be of service.

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: GRO-GASOLINE RANGE ORGANICS **SAMPLE TYPE:** WATER
REFERENCE: EPA 8015B **UNITS:** mg/L

SAMPLE ID	LAB NO.	DATE SAMPLED	TIME SAMPLED	BATCH ID	DATE ANALYZED	MRL	SAMPLE CONC	GRO PATTERN
H-G-18-22	132545	05/05/2015	17:19	042715W1	05/06/2015	0.050	0.490	AE, CO
H-H-19-24	132546	05/05/2015	17:15	042715W1	05/07/2015	0.050	0.781	AE, CO

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE
MRL - METHOD REPORTING LIMIT
AE - UNKNOWN HYDROCARBON WITH A SINGLE PEAK
AN - UNKNOWN HYDROCARBON WITH SEVERAL PEAKS
AS - HEAVIER HYDROCARBON THAN GASOLINE CONTRIBUTING TO GRO VALUE
CO - HYDROCARBON RESPONSE IN GASOLINE RANGE BUT DOES NOT RESEMBLE GASOLINE

APPROVED BY: CL
DATE: 05/13/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: H-G-18-22
LAB NO: 132544
DATE SAMPLED: 05/05/2015
TIME SAMPLED: 10:13
BATCH #: 050115W1
DATE ANALYZED: 05/08/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	10.0	ND
CHLOROMETHANE	74-87-3	10.0	ND
VINYL CHLORIDE	75-01-4	10.0	16.5
BROMOMETHANE	74-83-9	10.0	ND
CHLOROETHANE	75-00-3	10.0	ND
TRICHLOROFLUOROMETHANE	75-69-4	10.0	ND
1,1-DICHLOROETHENE	75-35-4	10.0	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	10.0	10.9
METHYLENE CHLORIDE	75-09-2	50.0	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	10.0	92.9
1,1-DICHLOROETHANE	75-34-3	10.0	18.4
CIS-1,2-DICHLOROETHENE	156-59-2	10.0	165
2,2-DICHLOROPROPANE	594-20-7	10.0	ND
BROMOCHLOROMETHANE	74-97-5	10.0	ND
CHLOROFORM	67-66-3	10.0	ND
1,1,1-TRICHLOROETHANE	71-55-6	10.0	ND
CARBON TETRACHLORIDE	56-23-5	10.0	ND
1,1-DICHLOROPROPENE	563-58-6	10.0	ND
BENZENE	71-43-2	10.0	ND
1,2-DICHLOROETHANE	107-06-2	10.0	ND
TRICHLOROETHENE	79-01-6	10.0	1440
1,2-DICHLOROPROPANE	78-87-5	10.0	ND
DIBROMOMETHANE	74-95-3	10.0	ND
BROMODICHLOROMETHANE	75-27-4	10.0	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	10.0	ND
TOLUENE	108-88-3	10.0	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	10.0	ND
1,1,2-TRICHLOROETHANE	79-00-5	10.0	ND
TETRACHLOROETHENE	127-18-4	10.0	ND
1,3-DICHLOROPROPANE	142-28-9	10.0	ND
DIBROMOCHLOROMETHANE	124-48-1	10.0	ND
1,2-DIBROMOETHANE	106-93-4	10.0	ND
CHLOROBENZENE	108-90-7	10.0	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	10.0	ND
ETHYLBENZENE	100-41-4	10.0	ND
XYLENE (M+P)	1330-20-7	10.0	ND
XYLENE (O)	1330-20-7	10.0	ND
STYRENE	100-42-5	10.0	ND
BROMOFORM	75-25-2	10.0	ND
ISOPROPYLBENZENE	98-82-8	10.0	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	10.0	ND
BROMOBENZENE	108-86-1	10.0	ND
1,2,3-TRICHLOROPROPANE	96-18-4	10.0	ND
N-PROPYLBENZENE	103-65-1	10.0	ND
2-CHLOROTOLUENE	95-49-8	10.0	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: H-G-18-22
LAB NO: 132544
DATE SAMPLED: 05/05/2015
TIME SAMPLED: 10:13
BATCH #: 050115W1
DATE ANALYZED: 05/08/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	10.0	ND
4-CHLOROTOLUENE	106-43-4	10.0	ND
TERT-BUTYLBENZENE	98-06-6	10.0	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	10.0	ND
SEC-BUTYLBENZENE	135-98-8	10.0	ND
1,3-DICHLOROBENZENE	541-73-1	10.0	ND
4-ISOPROPYLTOLUENE	99-87-6	10.0	ND
1,4-DICHLOROBENZENE	106-46-7	10.0	ND
N-BUTYLBENZENE	104-51-8	10.0	ND
1,2-DICHLOROBENZENE	95-50-1	10.0	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	10.0	ND
1,2,4-TRICHLOROBENZENE	120-82-1	20.0	ND
HEXACHLOROBUTADIENE	87-68-3	20.0	ND
NAPHTHALENE	91-20-3	20.0	ND
1,2,3-TRICHLOROBENZENE	87-61-6	20.0	ND
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	10.0	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	103
TOLUENE-D8	102
4-BROMOFLUOROBENZENE	91

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: CH
DATE: 05/13/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: H-H-19-24
LAB NO: 132546
DATE SAMPLED: 05/05/2015
TIME SAMPLED: 17:15
BATCH #: 050115W1
DATE ANALYZED: 05/08/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	10.0	ND
CHLOROMETHANE	74-87-3	10.0	ND
VINYL CHLORIDE	75-01-4	10.0	10.6
BROMOMETHANE	74-83-9	10.0	ND
CHLOROETHANE	75-00-3	10.0	ND
TRICHLOROFLUOROMETHANE	75-69-4	10.0	ND
1,1-DICHLOROETHENE	75-35-4	10.0	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	10.0	ND
METHYLENE CHLORIDE	75-09-2	50.0	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	10.0	123
1,1-DICHLOROETHANE	75-34-3	10.0	ND
CIS-1,2-DICHLOROETHENE	156-59-2	10.0	185
2,2-DICHLOROPROPANE	594-20-7	10.0	ND
BROMOCHLOROMETHANE	74-97-5	10.0	ND
CHLOROFORM	67-66-3	10.0	ND
1,1,1-TRICHLOROETHANE	71-55-6	10.0	ND
CARBON TETRACHLORIDE	56-23-5	10.0	ND
1,1-DICHLOROPROPENE	563-58-6	10.0	ND
BENZENE	71-43-2	10.0	ND
1,2-DICHLOROETHANE	107-06-2	10.0	24.1
TRICHLOROETHENE	79-01-6	10.0	1530
1,2-DICHLOROPROPANE	78-87-5	10.0	ND
DIBROMOMETHANE	74-95-3	10.0	ND
BROMODICHLOROMETHANE	75-27-4	10.0	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	10.0	ND
TOLUENE	108-88-3	10.0	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	10.0	ND
1,1,2-TRICHLOROETHANE	79-00-5	10.0	ND
TETRACHLOROETHENE	127-18-4	10.0	ND
1,3-DICHLOROPROPANE	142-28-9	10.0	ND
DIBROMOCHLOROMETHANE	124-48-1	10.0	ND
1,2-DIBROMOETHANE	106-93-4	10.0	ND
CHLOROBENZENE	108-90-7	10.0	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	10.0	ND
ETHYLBENZENE	100-41-4	10.0	ND
XYLENE (M+P)	1330-20-7	10.0	ND
XYLENE (O)	1330-20-7	10.0	ND
STYRENE	100-42-5	10.0	ND
BROMOFORM	75-25-2	10.0	ND
ISOPROPYLBENZENE	98-82-8	10.0	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	10.0	ND
BROMOBENZENE	108-86-1	10.0	ND
1,2,3-TRICHLOROPROPANE	96-18-4	10.0	ND
N-PROPYLBENZENE	103-65-1	10.0	ND
2-CHLOROTOLUENE	95-49-8	10.0	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: H-H-19-24
LAB NO: 132546
DATE SAMPLED: 05/05/2015
TIME SAMPLED: 17:15
BATCH #: 050115W1
DATE ANALYZED: 05/08/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	10.0	ND
4-CHLOROTOLUENE	106-43-4	10.0	ND
TERT-BUTYLBENZENE	98-06-6	10.0	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	10.0	ND
SEC-BUTYLBENZENE	135-98-8	10.0	ND
1,3-DICHLOROBENZENE	541-73-1	10.0	ND
4-ISOPROPYLTOLUENE	99-87-6	10.0	ND
1,4-DICHLOROBENZENE	106-46-7	10.0	ND
N-BUTYLBENZENE	104-51-8	10.0	ND
1,2-DICHLOROBENZENE	95-50-1	10.0	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	10.0	ND
1,2,4-TRICHLOROBENZENE	120-82-1	20.0	ND
HEXACHLOROBUTADIENE	87-68-3	20.0	ND
NAPHTHALENE	91-20-3	20.0	ND
1,2,3-TRICHLOROBENZENE	87-61-6	20.0	ND
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	10.0	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	103
TOLUENE-D8	104
4-BROMOFLUOROBENZENE	92

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: CW
DATE: 05/13/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: H-G-60-65
LAB NO: 132547
DATE SAMPLED: 05/05/2015
TIME SAMPLED: 12:56
BATCH #: 050115W1
DATE ANALYZED: 05/08/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	0.500	ND
CHLOROMETHANE	74-87-3	0.500	ND
VINYL CHLORIDE	75-01-4	0.500	ND
BROMOMETHANE	74-83-9	0.500	ND
CHLOROETHANE	75-00-3	0.500	ND
TRICHLOROFLUOROMETHANE	75-69-4	0.500	ND
1,1-DICHLOROETHENE	75-35-4	0.500	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	0.500	ND
METHYLENE CHLORIDE	75-09-2	2.50	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	0.500	ND
1,1-DICHLOROETHANE	75-34-3	0.500	ND
CIS-1,2-DICHLOROETHENE	156-59-2	0.500	ND
2,2-DICHLOROPROPANE	594-20-7	0.500	ND
BROMOCHLOROMETHANE	74-97-5	0.500	ND
CHLOROFORM	67-66-3	0.500	ND
1,1,1-TRICHLOROETHANE	71-55-6	0.500	ND
CARBON TETRACHLORIDE	56-23-5	0.500	ND
1,1-DICHLOROPROPENE	563-58-6	0.500	ND
BENZENE	71-43-2	0.500	ND
1,2-DICHLOROETHANE	107-06-2	0.500	ND
TRICHLOROETHENE	79-01-6	0.500	ND
1,2-DICHLOROPROPANE	78-87-5	0.500	ND
DIBROMOMETHANE	74-95-3	0.500	ND
BROMODICHLOROMETHANE	75-27-4	0.500	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	0.500	ND
TOLUENE	108-88-3	0.500	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.500	ND
1,1,2-TRICHLOROETHANE	79-00-5	0.500	ND
TETRACHLOROETHENE	127-18-4	0.500	ND
1,3-DICHLOROPROPANE	142-28-9	0.500	ND
DIBROMOCHLOROMETHANE	124-48-1	0.500	ND
1,2-DIBROMOETHANE	106-93-4	0.500	ND
CHLOROBENZENE	108-90-7	0.500	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	0.500	ND
ETHYLBENZENE	100-41-4	0.500	ND
XYLENE (M+P)	1330-20-7	0.500	ND
XYLENE (O)	1330-20-7	0.500	ND
STYRENE	100-42-5	0.500	ND
BROMOFORM	75-25-2	0.500	ND
ISOPROPYLBENZENE	98-82-8	0.500	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.500	ND
BROMOBENZENE	108-86-1	0.500	ND
1,2,3-TRICHLOROPROPANE	96-18-4	0.500	ND
N-PROPYLBENZENE	103-65-1	0.500	ND
2-CHLOROTOLUENE	95-49-8	0.500	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: H-G-60-65
LAB NO: 132547
DATE SAMPLED: 05/05/2015
TIME SAMPLED: 12:56
BATCH #: 050115W1
DATE ANALYZED: 05/08/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	0.500	ND
4-CHLOROTOLUENE	106-43-4	0.500	ND
TERT-BUTYLBENZENE	98-06-6	0.500	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	0.500	ND
SEC-BUTYLBENZENE	135-98-8	0.500	ND
1,3-DICHLOROBENZENE	541-73-1	0.500	ND
4-ISOPROPYLTOLUENE	99-87-6	0.500	ND
1,4-DICHLOROBENZENE	106-46-7	0.500	ND
N-BUTYLBENZENE	104-51-8	0.500	ND
1,2-DICHLOROBENZENE	95-50-1	0.500	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.500	ND
1,2,4-TRICHLOROBENZENE	120-82-1	1.00	ND
HEXACHLOROBUTADIENE	87-68-3	1.00	ND
NAPHTHALENE	91-20-3	1.00	ND
1,2,3-TRICHLOROBENZENE	87-61-6	1.00	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	107
TOLUENE-D8	102
4-BROMOFLUOROBENZENE	91

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: CW
DATE: 05/13/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: H-G-60-65-DUP
LAB NO: 132548
DATE SAMPLED: 05/05/2015
TIME SAMPLED: 12:56
BATCH #: 050115W1
DATE ANALYZED: 05/08/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	0.500	ND
CHLOROMETHANE	74-87-3	0.500	ND
VINYL CHLORIDE	75-01-4	0.500	ND
BROMOMETHANE	74-83-9	0.500	ND
CHLOROETHANE	75-00-3	0.500	ND
TRICHLOROFLUOROMETHANE	75-69-4	0.500	ND
1,1-DICHLOROETHENE	75-35-4	0.500	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	0.500	ND
METHYLENE CHLORIDE	75-09-2	2.50	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	0.500	ND
1,1-DICHLOROETHANE	75-34-3	0.500	ND
CIS-1,2-DICHLOROETHENE	156-59-2	0.500	ND
2,2-DICHLOROPROPANE	594-20-7	0.500	ND
BROMOCHLOROMETHANE	74-97-5	0.500	ND
CHLOROFORM	67-66-3	0.500	ND
1,1,1-TRICHLOROETHANE	71-55-6	0.500	ND
CARBON TETRACHLORIDE	56-23-5	0.500	ND
1,1-DICHLOROPROPENE	563-58-6	0.500	ND
BENZENE	71-43-2	0.500	ND
1,2-DICHLOROETHANE	107-06-2	0.500	ND
TRICHLOROETHENE	79-01-6	0.500	ND
1,2-DICHLOROPROPANE	78-87-5	0.500	ND
DIBROMOMETHANE	74-95-3	0.500	ND
BROMODICHLOROMETHANE	75-27-4	0.500	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	0.500	ND
TOLUENE	108-88-3	0.500	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.500	ND
1,1,2-TRICHLOROETHANE	79-00-5	0.500	ND
TETRACHLOROETHENE	127-18-4	0.500	ND
1,3-DICHLOROPROPANE	142-28-9	0.500	ND
DIBROMOCHLOROMETHANE	124-48-1	0.500	ND
1,2-DIBROMOETHANE	106-93-4	0.500	ND
CHLOROBENZENE	108-90-7	0.500	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	0.500	ND
ETHYLBENZENE	100-41-4	0.500	ND
XYLENE (M+P)	1330-20-7	0.500	ND
XYLENE (O)	1330-20-7	0.500	ND
STYRENE	100-42-5	0.500	ND
BROMOFORM	75-25-2	0.500	ND
ISOPROPYLBENZENE	98-82-8	0.500	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.500	ND
BROMOBENZENE	108-86-1	0.500	ND
1,2,3-TRICHLOROPROPANE	96-18-4	0.500	ND
N-PROPYLBENZENE	103-65-1	0.500	ND
2-CHLOROTOLUENE	95-49-8	0.500	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: H-G-60-65-DUP
LAB NO: 132548
DATE SAMPLED: 05/05/2015
TIME SAMPLED: 12:56
BATCH #: 050115W1
DATE ANALYZED: 05/08/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	0.500	ND
4-CHLOROTOLUENE	106-43-4	0.500	ND
TERT-BUTYLBENZENE	98-06-6	0.500	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	0.500	ND
SEC-BUTYLBENZENE	135-98-8	0.500	ND
1,3-DICHLOROBENZENE	541-73-1	0.500	ND
4-ISOPROPYLTOLUENE	99-87-6	0.500	ND
1,4-DICHLOROBENZENE	106-46-7	0.500	ND
N-BUTYLBENZENE	104-51-8	0.500	ND
1,2-DICHLOROBENZENE	95-50-1	0.500	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.500	ND
1,2,4-TRICHLOROBENZENE	120-82-1	1.00	ND
HEXACHLOROBUTADIENE	87-68-3	1.00	ND
NAPHTHALENE	91-20-3	1.00	ND
1,2,3-TRICHLOROBENZENE	87-61-6	1.00	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	77
TOLUENE-D8	102
4-BROMOFLUOROBENZENE	93

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: JCh
DATE: 05/13/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: H-H-28-32
LAB NO: 132549
DATE SAMPLED: 05/05/2015
TIME SAMPLED: 14:33
BATCH #: 050115W1
DATE ANALYZED: 05/08/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	0.500	ND
CHLOROMETHANE	74-87-3	0.500	ND
VINYL CHLORIDE	75-01-4	0.500	ND
BROMOMETHANE	74-83-9	0.500	ND
CHLOROETHANE	75-00-3	0.500	ND
TRICHLOROFLUOROMETHANE	75-69-4	0.500	ND
1,1-DICHLOROETHENE	75-35-4	0.500	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	0.500	ND
METHYLENE CHLORIDE	75-09-2	2.50	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	0.500	ND
1,1-DICHLOROETHANE	75-34-3	0.500	ND
CIS-1,2-DICHLOROETHENE	156-59-2	0.500	ND
2,2-DICHLOROPROPANE	594-20-7	0.500	ND
BROMOCHLOROMETHANE	74-97-5	0.500	ND
CHLOROFORM	67-66-3	0.500	ND
1,1,1-TRICHLOROETHANE	71-55-6	0.500	ND
CARBON TETRACHLORIDE	56-23-5	0.500	ND
1,1-DICHLOROPROPENE	563-58-6	0.500	ND
BENZENE	71-43-2	0.500	2.92
1,2-DICHLOROETHANE	107-06-2	0.500	ND
TRICHLOROETHENE	79-01-6	0.500	ND
1,2-DICHLOROPROPANE	78-87-5	0.500	ND
DIBROMOMETHANE	74-95-3	0.500	ND
BROMODICHLOROMETHANE	75-27-4	0.500	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	0.500	ND
TOLUENE	108-88-3	0.500	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.500	ND
1,1,2-TRICHLOROETHANE	79-00-5	0.500	ND
TETRACHLOROETHENE	127-18-4	0.500	ND
1,3-DICHLOROPROPANE	142-28-9	0.500	ND
DIBROMOCHLOROMETHANE	124-48-1	0.500	ND
1,2-DIBROMOETHANE	106-93-4	0.500	ND
CHLOROBENZENE	108-90-7	0.500	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	0.500	ND
ETHYLBENZENE	100-41-4	0.500	3.60
XYLENE (M+P)	1330-20-7	0.500	15.0
XYLENE (O)	1330-20-7	0.500	5.13
STYRENE	100-42-5	0.500	ND
BROMOFORM	75-25-2	0.500	ND
ISOPROPYLBENZENE	98-82-8	0.500	1.17
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.500	ND
BROMOBENZENE	108-86-1	0.500	ND
1,2,3-TRICHLOROPROPANE	96-18-4	0.500	ND
N-PROPYLBENZENE	103-65-1	0.500	1.82
2-CHLOROTOLUENE	95-49-8	0.500	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: H-H-28-32
LAB NO: 132549
DATE SAMPLED: 05/05/2015
TIME SAMPLED: 14:33
BATCH #: 050115W1
DATE ANALYZED: 05/08/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	0.500	4.58
4-CHLOROTOLUENE	106-43-4	0.500	ND
TERT-BUTYLBENZENE	98-06-6	0.500	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	0.500	15.9
SEC-BUTYLBENZENE	135-98-8	0.500	1.09
1,3-DICHLOROBENZENE	541-73-1	0.500	ND
4-ISOPROPYLTOLUENE	99-87-6	0.500	ND
1,4-DICHLOROBENZENE	106-46-7	0.500	ND
N-BUTYLBENZENE	104-51-8	0.500	2.14
1,2-DICHLOROBENZENE	95-50-1	0.500	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.500	ND
1,2,4-TRICHLOROBENZENE	120-82-1	1.00	ND
HEXACHLOROBUTADIENE	87-68-3	1.00	ND
NAPHTHALENE	91-20-3	1.00	35.9
1,2,3-TRICHLOROBENZENE	87-61-6	1.00	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	107
TOLUENE-D8	108
4-BROMOFLUOROBENZENE	106

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: CH
DATE: 05/13/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: H-G-36-40
LAB NO: 132550
DATE SAMPLED: 05/05/2015
TIME SAMPLED: 16:55
BATCH #: 050115W1
DATE ANALYZED: 05/08/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	0.500	ND
CHLOROMETHANE	74-87-3	0.500	ND
VINYL CHLORIDE	75-01-4	0.500	ND
BROMOMETHANE	74-83-9	0.500	ND
CHLOROETHANE	75-00-3	0.500	ND
TRICHLOROFLUOROMETHANE	75-69-4	0.500	ND
1,1-DICHLOROETHENE	75-35-4	0.500	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	0.500	ND
METHYLENE CHLORIDE	75-09-2	2.50	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	0.500	ND
1,1-DICHLOROETHANE	75-34-3	0.500	ND
CIS-1,2-DICHLOROETHENE	156-59-2	0.500	ND
2,2-DICHLOROPROPANE	594-20-7	0.500	ND
BROMOCHLOROMETHANE	74-97-5	0.500	ND
CHLOROFORM	67-66-3	0.500	ND
1,1,1-TRICHLOROETHANE	71-55-6	0.500	ND
CARBON TETRACHLORIDE	56-23-5	0.500	ND
1,1-DICHLOROPROPENE	563-58-6	0.500	ND
BENZENE	71-43-2	0.500	ND
1,2-DICHLOROETHANE	107-06-2	0.500	ND
TRICHLOROETHENE	79-01-6	0.500	0.820
1,2-DICHLOROPROPANE	78-87-5	0.500	ND
DIBROMOMETHANE	74-95-3	0.500	ND
BROMODICHLOROMETHANE	75-27-4	0.500	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	0.500	ND
TOLUENE	108-88-3	0.500	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.500	ND
1,1,2-TRICHLOROETHANE	79-00-5	0.500	ND
TETRACHLOROETHENE	127-18-4	0.500	ND
1,3-DICHLOROPROPANE	142-28-9	0.500	ND
DIBROMOCHLOROMETHANE	124-48-1	0.500	ND
1,2-DIBROMOETHANE	106-93-4	0.500	ND
CHLOROBENZENE	108-90-7	0.500	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	0.500	ND
ETHYLBENZENE	100-41-4	0.500	ND
XYLENE (M+P)	1330-20-7	0.500	ND
XYLENE (O)	1330-20-7	0.500	ND
STYRENE	100-42-5	0.500	ND
BROMOFORM	75-25-2	0.500	ND
ISOPROPYLBENZENE	98-82-8	0.500	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.500	ND
BROMOBENZENE	108-86-1	0.500	ND
1,2,3-TRICHLOROPROPANE	96-18-4	0.500	ND
N-PROPYLBENZENE	103-65-1	0.500	ND
2-CHLOROTOLUENE	95-49-8	0.500	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: H-G-36-40
LAB NO: 132550
DATE SAMPLED: 05/05/2015
TIME SAMPLED: 16:55
BATCH #: 050115W1
DATE ANALYZED: 05/08/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	0.500	ND
4-CHLOROTOLUENE	106-43-4	0.500	ND
TERT-BUTYLBENZENE	98-06-6	0.500	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	0.500	ND
SEC-BUTYLBENZENE	135-98-8	0.500	ND
1,3-DICHLOROBENZENE	541-73-1	0.500	ND
4-ISOPROPYLTOLUENE	99-87-6	0.500	ND
1,4-DICHLOROBENZENE	106-46-7	0.500	ND
N-BUTYLBENZENE	104-51-8	0.500	ND
1,2-DICHLOROBENZENE	95-50-1	0.500	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.500	ND
1,2,4-TRICHLOROBENZENE	120-82-1	1.00	ND
HEXACHLOROBUTADIENE	87-68-3	1.00	ND
NAPHTHALENE	91-20-3	1.00	ND
1,2,3-TRICHLOROBENZENE	87-61-6	1.00	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	101
TOLUENE-D8	101
4-BROMOFLUOROBENZENE	103

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: CW
DATE: 05/13/2015

K PRIME, INC.

LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: DRO
REFERENCE: EPA 8015B

SAMPLE TYPE: WATER
UNITS: mg/L

SAMPLE ID	LAB NO.	DATE SAMPLED	BATCH ID	EXTRACT DATE	DATE ANALYZED	MRL	SAMPLE CONC	DRO PATTERN
H-G-18-22	132545	05/05/2015	050415W1	05/11/2015	05/11/2015	0.051	ND	
H-H-19-24	132546	05/05/2015	050415W1	05/11/2015	05/11/2015	0.052	0.403	

NOTES:

DRO	Diesel Range Organics (C12-C34) with Silica Gel Cleanup
ND	Not Detected at or above the stated MRL
NA	Not Applicable or Available
MRL	Method Reporting Limit
AD	Typical pattern for diesel
AM	Hydrocarbon response is in the C12-C22 range
AC	Heavier hydrocarbons contributing to diesel range quantitation
AJ	Heavier hydrocarbon than diesel
AK	Lighter hydrocarbon than diesel
AE	Unknown hydrocarbon with a single peak
AN	Unknown hydrocarbon with several peaks

APPROVED BY: CW
DATE: 05/13/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: DISSOLVED METALS BY ICP/MS
REFERENCE: EPA 200.8

SAMPLE ID: H-G-18-22
LAB NO: 132544
DATE SAMPLED: 05/05/2015
TIME SAMPLED: 10:13
BATCH ID: 051215DM1

SAMPLE TYPE: WATER
UNITS: ug/L

ELEMENT NAME		DATE ANALYZED	REPORTING LIMIT	SAMPLE CONC
ANTIMONY	Sb	05/12/2015	1.00	ND
ARSENIC	As	05/12/2015	1.00	ND
BARIUM	Ba	05/12/2015	1.00	86.7
BERYLLIUM	Be	05/12/2015	1.00	ND
CADMIUM	Cd	05/12/2015	1.00	ND
CHROMIUM	Cr	05/12/2015	1.00	ND
COBALT	Co	05/12/2015	1.00	4.95
COPPER	Cu	05/12/2015	1.00	ND
LEAD	Pb	05/12/2015	1.00	ND
MERCURY	Hg	05/12/2015	0.200	ND
MOLYBDENUM	Mo	05/12/2015	1.00	12.4
NICKEL	Ni	05/12/2015	1.00	11.1
SELENIUM	Se	05/12/2015	1.00	ND
SILVER	Ag	05/12/2015	1.00	ND
THALLIUM	Tl	05/12/2015	1.00	ND
VANADIUM	V	05/12/2015	1.00	1.22
ZINC	Zn	05/12/2015	1.00	13.0

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: CW
DATE: 05/13/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: DISSOLVED METALS BY ICP/MS
REFERENCE: EPA 200.8

SAMPLE ID: H-H-19-24
LAB NO: 132546
DATE SAMPLED: 05/05/2015
TIME SAMPLED: 17:15
BATCH ID: 051215DM1

SAMPLE TYPE: WATER
UNITS: ug/L

ELEMENT NAME		DATE ANALYZED	REPORTING LIMIT	SAMPLE CONC
ANTIMONY	Sb	05/12/2015	1.00	ND
ARSENIC	As	05/12/2015	1.00	ND
BARIUM	Ba	05/12/2015	1.00	127
BERYLLIUM	Be	05/12/2015	1.00	ND
CADMIUM	Cd	05/12/2015	1.00	ND
CHROMIUM	Cr	05/12/2015	1.00	ND
COBALT	Co	05/12/2015	1.00	17.4
COPPER	Cu	05/12/2015	1.00	1.36
LEAD	Pb	05/12/2015	1.00	ND
MERCURY	Hg	05/12/2015	0.200	ND
MOLYBDENUM	Mo	05/12/2015	1.00	25.5
NICKEL	Ni	05/12/2015	1.00	16.6
SELENIUM	Se	05/12/2015	1.00	ND
SILVER	Ag	05/12/2015	1.00	ND
THALLIUM	Tl	05/12/2015	1.00	ND
VANADIUM	V	05/12/2015	1.00	ND
ZINC	Zn	05/12/2015	1.00	13.4

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: CW
DATE: 05/13/2015

K PRIME, INC.
LABORATORY QUALITY CONTROL REPORT

METHOD BLANK ID: B042715W1
SAMPLE TYPE: WATER

METHOD: GRO-GASOLINE RANGE ORGANICS
REFERENCE: EPA 8015B

BATCH #: 042715W1
DATE EXTRACTED: 04/27/2015
DATE ANALYZED: 04/27/2015

UNITS: mg/L

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
TPH-G	0.050	ND

SAMPLE ID: L042715W1
DUPLICATE ID: D042715W1
BATCH #: 042715W1
SAMPLE TYPE: WATER
UNITS: mg/L

DATE EXTRACTED: 04/27/2015
DATE ANALYZED: 04/27/2015

ACCURACY (MATRIX SPIKE)

PARAMETER	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
TPH-G	0.500	ND	0.485	97	60-140

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
TPH-G	0.050	0.485	0.462	4.9	±20

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT APPLICABLE

K PRIME, INC.

LABORATORY METHOD BLANK REPORT **METHOD BLANK ID:** B050115W1

BATCH #: 050115W1
DATE ANALYZED: 05/02/2015

METHOD: VOLATILE ORGANIC COMPOUNDS **SAMPLE TYPE:** WATER
REFERENCE: EPA 5030/8260 **UNITS:** ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	0.500	ND
CHLOROMETHANE	74-87-3	0.500	ND
VINYL CHLORIDE	75-01-4	0.500	ND
BROMOMETHANE	74-83-9	0.500	ND
CHLOROETHANE	75-00-3	0.500	ND
TRICHLOROFLUOROMETHANE	75-69-4	0.500	ND
1,1-DICHLOROETHENE	75-35-4	0.500	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	0.500	ND
METHYLENE CHLORIDE	75-09-2	2.50	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	0.500	ND
1,1-DICHLOROETHANE	75-34-3	0.500	ND
CIS-1,2-DICHLOROETHENE	156-59-2	0.500	ND
2,2-DICHLOROPROPANE	594-20-7	0.500	ND
BROMOCHLOROMETHANE	74-97-5	0.500	ND
CHLOROFORM	67-66-3	0.500	ND
1,1,1-TRICHLOROETHANE	71-55-6	0.500	ND
CARBON TETRACHLORIDE	56-23-5	0.500	ND
1,1-DICHLOROPROPENE	563-58-6	0.500	ND
BENZENE	71-43-2	0.500	ND
1,2-DICHLOROETHANE	107-06-2	0.500	ND
TRICHLOROETHENE	79-01-6	0.500	ND
1,2-DICHLOROPROPANE	78-87-5	0.500	ND
DIBROMOMETHANE	74-95-3	0.500	ND
BROMODICHLOROMETHANE	75-27-4	0.500	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	0.500	ND
TOLUENE	108-88-3	0.500	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.500	ND
1,1,2-TRICHLOROETHANE	79-00-5	0.500	ND
TETRACHLOROETHENE	127-18-4	0.500	ND
1,3-DICHLOROPROPANE	142-28-9	0.500	ND
DIBROMOCHLOROMETHANE	124-48-1	0.500	ND
1,2-DIBROMOETHANE	106-93-4	0.500	ND
CHLOROBENZENE	108-90-7	0.500	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	0.500	ND
ETHYLBENZENE	100-41-4	0.500	ND
XYLENE (M+P)	1330-20-7	0.500	ND
XYLENE (O)	1330-20-7	0.500	ND
STYRENE	100-42-5	0.500	ND
BROMOFORM	75-25-2	0.500	ND
ISOPROPYLBENZENE	98-82-8	0.500	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.500	ND
BROMOBENZENE	108-86-1	0.500	ND
1,2,3-TRICHLOROPROPANE	96-18-4	0.500	ND
N-PROPYLBENZENE	103-65-1	0.500	ND
2-CHLOROTOLUENE	95-49-8	0.500	ND

K PRIME, INC.
LABORATORY METHOD BLANK REPORT **METHOD BLANK ID:** B050115W1

BATCH #: 050115W1
DATE ANALYZED: 05/02/2015

METHOD: VOLATILE ORGANIC COMPOUNDS **SAMPLE TYPE:** WATER
REFERENCE: EPA 5030/8260 **UNITS:** ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	0.500	ND
4-CHLOROTOLUENE	106-43-4	0.500	ND
TERT-BUTYLBENZENE	98-06-6	0.500	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	0.500	ND
SEC-BUTYLBENZENE	135-98-8	0.500	ND
1,3-DICHLOROBENZENE	541-73-1	0.500	ND
4-ISOPROPYLTOLUENE	99-87-6	0.500	ND
1,4-DICHLOROBENZENE	106-46-7	0.500	ND
N-BUTYLBENZENE	104-51-8	0.500	ND
1,2-DICHLOROBENZENE	95-50-1	0.500	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.500	ND
1,2,4-TRICHLOROBENZENE	120-82-1	1.00	ND
HEXACHLOROBUTADIENE	87-68-3	1.00	ND
NAPHTHALENE	91-20-3	1.00	ND
1,2,3-TRICHLOROBENZENE	87-61-6	1.00	ND
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	0.500	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	106
TOLUENE-D8	102
4-BROMOFLUOROBENZENE	87

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

K PRIME, INC.

LABORATORY QC REPORT

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE ID: B050115W1
SPIKE ID: L050115W1
DUPLICATE ID: D050115W1
BATCH #: 050115W1
SAMPLE TYPE: WATER
UNITS: µg/L

ACCURACY (MATRIX SPIKE)

PARAMETER	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
1,1 DICHLOROETHENE	10.0	ND	10.2	102	60-140
BENZENE	10.0	ND	12.3	123	60-140
TRICHLOROETHENE	10.0	ND	11.6	116	60-140
TOLUENE	10.0	ND	11.9	119	60-140
CHLOROBENZENE	10.0	ND	11.4	114	60-140

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
1,1 DICHLOROETHENE	0.500	10.2	10.4	1.3	±20
BENZENE	0.500	12.3	12.3	0.3	±20
TRICHLOROETHENE	0.500	11.6	11.7	0.6	±20
TOLUENE	0.500	11.9	11.5	3.8	±20
CHLOROBENZENE	0.500	11.4	11.2	1.3	±20

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

K PRIME, INC.
LABORATORY QUALITY CONTROL REPORT

BATCH ID: 050415W1
DATE EXTRACTED: 5/4/2015
DATE ANALYZED: 5/4/2015

METHOD: DRO
REFERENCE: EPA 8015B

SAMPLE TYPE: WATER
UNITS: mg/L

METHOD BLANK ID: B050415W1

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
DRO	0.050	ND

SAMPLE ID: L050415W1
DUPLICATE ID: D050415W1

ACCURACY (MATRIX SPIKE)

PARAMETER	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
DRO	2.50	ND	1.92	77	60-140

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
DRO	0.050	1.92	1.79	7.2	±20

NOTES:
DRO - DIESEL RANGE ORGANICS (C12-C34)
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

K PRIME, INC.

LABORATORY BATCH QC REPORT

SAMPLE ID: L051215DM1
DUPLICATE ID: D051215DM1
METHOD BLANK ID: B051215DM1
BATCH #: 051215DM1
DATE ANALYZED: 05/12/2015

METHOD: DISSOLVED METALS BY ICP/MS
REFERENCE: EPA 200.8

SAMPLE TYPE: WATER
UNITS: ug/L

ELEMENT		MB ug/L	SA ug/L	SR ug/L	SP ug/L	SPD ug/L	SP %R	RPD %
ANTIMONY	Sb	<1.00	50.0	0.0	49.2	49.2	98	0.1
ARSENIC	As	<1.00	50.0	0.0	49.3	48.9	99	0.8
BARIUM	Ba	<1.00	50.0	0.0	50.1	49.5	100	1.1
BERYLLIUM	Be	<1.00	50.0	0.0	50.0	49.1	100	1.8
CADMIUM	Cd	<1.00	50.0	0.0	49.2	49.1	98	0.3
CHROMIUM	Cr	<1.00	50.0	0.0	49.5	49.2	99	0.7
COBALT	Co	<1.00	50.0	0.0	49.4	48.4	99	2.0
COPPER	Cu	<1.00	50.0	0.0	49.9	49.1	100	1.6
LEAD	Pb	<1.00	50.0	0.0	49.6	48.6	99	2.0
MERCURY	Hg	<0.200	1.00	0.0	1.02	1.01	102	0.8
MOLYBDENUM	Mo	<1.00	50.0	0.0	49.7	49.6	99	0.3
NICKEL	Ni	<1.00	50.0	0.0	49.6	49.2	99	0.8
SELENIUM	Se	<1.00	50.0	0.0	48.8	49.1	98	0.7
SILVER	Ag	<1.00	25.0	0.0	24.8	24.7	99	0.4
THALLIUM	Tl	<1.00	50.0	0.0	52.7	51.9	105	1.6
VANADIUM	V	<1.00	50.0	0.0	49.5	49.1	99	0.8
ZINC	Zn	<1.00	50.0	0.0	48.7	47.6	97	2.3

NOTES:
ND: NOT DETECTED
MB: METHOD BLANK
SA: SPIKE ADDED
SR: SAMPLE RESULT
SP: SPIKE RESULT
SPD: SPIKE DUPLICATE RESULT
SP(%R): SPIKE % RECOVERY
RPD: RELATIVE PERCENT DIFFERENCE

K PRIME, INC.

LABORATORY BATCH QC REPORT

SAMPLE ID: MS132544
DUPLICATE ID: SD132544
METHOD BLANK ID: B051215DM1
BATCH #: 051215DM1
DATE ANALYZED: 05/12/2015

METHOD: DISSOLVED METALS BY ICP/MS
REFERENCE: EPA 200.8

SAMPLE TYPE: WATER
UNITS: ug/L

ELEMENT		MB ug/L	SA ug/L	SR ug/L	SP ug/L	SPD ug/L	SP %R	RPD %
ANTIMONY	Sb	<1.00	100	<1.00	99.5	99.0	99	0.5
ARSENIC	As	<1.00	100	<1.00	108	108	108	0.3
BARIUM	Ba	<1.00	100	86.7	183	186	96	1.5
BERYLLIUM	Be	<1.00	100	<1.00	98.5	99.1	98	0.6
CADMIUM	Cd	<1.00	100	<1.00	90.8	90.7	90	0.1
CHROMIUM	Cr	<1.00	100	<1.00	98.5	99.3	98	0.7
COBALT	Co	<1.00	100	4.95	98.0	98.5	93	0.5
COPPER	Cu	<1.00	100	<1.00	92.3	92.7	91	0.3
LEAD	Pb	<1.00	100	<1.00	90.7	90.4	91	0.3
MERCURY	Hg	<0.200	2.00	<0.200	1.90	1.77	92	7.1
MOLYBDENUM	Mo	<1.00	100	12.4	113	112	101	0.5
NICKEL	Ni	<1.00	100	11.1	104	104	93	0.1
SELENIUM	Se	<1.00	100	<1.00	105	105	105	0.7
SILVER	Ag	<1.00	50.0	<1.00	18.4	18.5	37	0.8
THALLIUM	Tl	<1.00	100	<1.00	98.2	97.9	98	0.3
VANADIUM	V	<1.00	100	1.22	103	103	101	0.5
ZINC	Zn	<1.00	100	13.0	100	98.6	87	1.4

NOTES:
ND: NOT DETECTED
MB: METHOD BLANK
SA: SPIKE ADDED
SR: SAMPLE RESULT
SP: SPIKE RESULT
SPD: SPIKE DUPLICATE RESULT
SP(%R): SPIKE % RECOVERY
RPD: RELATIVE PERCENT DIFFERENCE

9115

Erler & Kalinowski, Inc.
CONSULTING ENGINEERS AND SCIENTISTS

CHAIN OF CUSTODY RECORD

1870 Ogden Drive, Burlingame CA 94010 PHONE: 650-292-9100 FAX: 650-552-9012

Project Name: Site B - Offsite
Location: Emeryville, CA
Reporting:
Electronic Format: EDF Hard Copy Format: PDF
EPA Data Report Level: II
Please report results to the following:
(1) **EKI**: labs@ekiconsult.com
(2) **Joy Su**: jsu@ekiconsult.com
(3) **Jessica Daugherty:** jdaugherty@ekiconsult.com
(4) **Will Hassett**: whassett@ekiconsult.com

Project No.: A40028.01 T5
Sampled By: J. Daugherty, W. Hassett, B. Castle, J. Shaw, R. Ford
Laboratory: K Prime, Inc., 3621 Westwind Blvd, Santa Rosa, CA 95403, (707) 527-7574

EKI COC No.: (YYYYMMDD-#) 20150505-5
Revision: ______ (A, B, C, D, etc.)
Date: By:
Grab Groundwater

ANALYSES REQUESTED

Field Sample Identification	Lab Sample No.	Date	Time	Matrix	Number / Type of Container (Preservative)	EPA 8260B VOCs + MTBE	EPA 7199 Hexavalent Chromium	EPA 200.8 Title 22 Metals	TPH-d	TPH-g	Field Filtered with 0.45-micron filter	PLACE ON HOLD	EXPECTED TURNAROUND TIME	Remarks
H-G-16-22	132544	5-5-15	1013		3 - VOAs (HCl) ~~+MTBE~~	X							5 day	
					1 - 250-mL Poly									
					1 - 250-mL Poly (HNO_3)			X			X			
H-G-18-22	132545	↓	1719 ~~1715~~		2 ~~3~~ - VOAs (HCl)					X			↓	
					1 - ~~250-mL Poly~~ Amber				X					
					~~1 - 250-mL Poly (HNO_3)~~									
H-H-19-24	132546	↓	1715		5 ~~3~~ - VOAs (HCl) ~~+MTBE~~	X				X			↓	
					1 - ~~250-mL Poly~~ Amber				X					
					1 - 250-mL Poly (HNO_3)			X			X			
					3 - VOAs (HCl)									
					1 - 250-mL Poly									
					1 - 250-mL Poly (HNO_3)									
					3 - VOAs (HCl)									
					1 - 250-mL Poly									
					1 - 250-mL Poly (HNO_3)									
					3 - VOAs (HCl)									
					1 - 250-mL Poly									
					1 - 250-mL Poly (HNO_3)									

Special Instructions: Temperature blank included

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)
[signature] EKI	5-5-15	1750	[signature] (Signature/Affiliation or Carrier/Air Bill No.)
[signature]	5-5-15	1905	Myers Wyland Fine [signature] / KPI

9115

Erler & Kalinowski, Inc.
CONSULTING ENGINEERS AND SCIENTISTS

CHAIN OF CUSTODY RECORD

1870 Ogden Drive, Burlingame CA 94010 PHONE: 650-292-9100 FAX: 650-552-9012

Project Name	Site B - Offsite
Location:	Emeryville, CA
Reporting:	Electronic Format: EDF Hard Copy Format: PDF
	EPA Data Report Level: II
	Please report results to the following:
	(1) **EKI**: labs@ekiconsult.com
	(2) **Joy Su**: jsu@ekiconsult.com
	(3) **Jessica Daugherty**: jdaugherty@ekiconsult.com
	(4) **Will Hassett**: whassett@ekiconsult.com
Project No.	A40028.01 T5
Sampled By:	J. Daugherty, W. Hassett, B. Castle, J. Shaw, R. Ford
Laboratory:	K Prime, Inc. 3621 Westwind Blvd Santa Rosa, CA 95403 (707) 527-7574

ANALYSES REQUESTED

Method No.	Analyte Group	Field Filtered with 0.45-micron filter	PLACE ON HOLD
EPA 8260B	VOCs		

EKI COC No.: (YYYYMMDD-#) 20150505-6

Revision: _____ (A, B, C, D, etc.)

Date: By:

Grab Groundwater

Field Sample Identification	Lab Sample No.	Date	Time	Matrix	Number / Type of Container (Preservative)	VOCs	EXPECTED TURNAROUND TIME	Remarks
H-G-60-65	132547	5/5/2015	1256	water	3 - VOAs (HCl)	X	5day	
H-G-60-65-Dup	132548	↓	1256	↓	3 - VOAs (HCl)	X	↓	
H-H-28-32	132549		1433		3 - VOAs (HCl)	X		
H-G-36-40	132550		1655		3 - VOAs (HCl)	X		
					3 - VOAs (HCl)			
					3 - VOAs (HCl)			
					3 - VOAs (HCl)			
					3 - VOAs (HCl)			
					3 - VOAs (HCl)			
					3 - VOAs (HCl)			

Special Instructions: Temperature blank included

Relinquished by:	(Signature/Affiliation) EKI	Date 5-5-15	Time 1750	Received by:	(Signature/Affiliation or Carrier/Air Bill No.)
Relinquished by:	(Signature/Affiliation)	Date 5-5-15	Time 1905	Received by:	(Signature/Affiliation) KPI Myers Wohlsen
Relinquished by:	(Signature/Affiliation)	Date	Time	Received by:	(Signature/Affiliation)

9115

Erler & Kalinowski, Inc.
CONSULTING ENGINEERS AND SCIENTISTS

CHAIN OF CUSTODY RECORD

1870 Ogden Drive, Burlingame CA 94010 PHONE: 650-292-9100 FAX: 650-552-9012

PAGE 1 OF 2

Project Name: Site B - Offsite
Location: Emeryville, CA
Reporting: Electronic Format EDF Hard Copy Format PDF
EPA Data Report Level II
Please report results to the following:
(1) EKI: labs@ekiconsult.com
(2) Joy Su: jsu@ekiconsult.com
(3) Jessica Daugherty: jdaugherty@ekiconsult.com
(4) Will Hassett: whassett@ekiconsult.com

Project No.: A40028.01 T5
Sampled By: J. Daugherty, W. Hassett, B. Castle, J. Shaw, R. Ford
Laboratory: K Prime, Inc. 3621 Westwind Blvd Santa Rosa, CA 95403 (707) 527-7574

EKI COC No. (YYYYMMDD-#): 20150505-S
Revision: A (A, B, C, D etc.)
Date: 5/6/15 By: JS
Grab Groundwater

ANALYSES REQUESTED (JS)

Field Sample Identification	Lab Sample No.	Date	Time	Matrix	Number / Type of Container (Preservative)	EPA 8260B VOCs + MTBE	EPA 7199 Hexavalent Chromium	EPA 200.8 Title 22 Metals	w/silica gel cleanup TPH-d	TPH-g						Field Filtered with 0.45-micron filter	PLACE ON HOLD	EXPECTED TURNAROUND TIME	Remarks
H-G-16-22	132544	5-5-15	1013		3 - VOAs (HCl) ~~+ MTBE~~ JS; 1 - 250-mL Poly; 1 - 250-mL Poly (HNO$_3$)	X		X								X		5day	
H-G-18-22	132545	↓	1719 ~~1715~~		~~1~~ - VOAs (HCl); 1 - ~~250-mL Poly~~ Amber; ~~1 - 250-mL Poly (HNO$_3$)~~ JS				X	X								↓	
H-H-19-24	132546	↓	1715		5 ~~1~~ - VOAs (HCl) ~~+ MTBE~~ JS; 1 - ~~250-mL Poly~~ Amber; 1 - 250-mL Poly (HNO$_3$)	X		X	X	X						X		↓	
					~~3 - VOAs (HCl); 1 - 250-mL Poly; 1 - 250-mL Poly (HNO$_3$)~~														
					~~3 - VOAs (HCl); 1 - 250-mL Poly; 1 - 250-mL Poly (HNO$_3$)~~														
					~~3 - VOAs (HCl); 1 - 250-mL Poly; 1 - 250-mL Poly (HNO$_3$)~~ JS														

Special Instructions: Temperature blank included

Relinquished by (Signature/Affiliation)	Date	Time	Received by (Signature/Affiliation or Carrier/Air Bill No.)
[signature] EKI	5-5-15	1750	[signature]
[signature]	5-5-15	1905	Myers Wynn Fac [signature] / KPI

K PRIME, Inc.

CONSULTING ANALYTICAL CHEMISTS

3621 Westwind Blvd.
Santa Rosa CA 95403
Phone: 707 527 7574
FAX: 707 527 7879

TRANSMITTAL

DATE: 5/7/2015

TO: MS. JOY SU
MS. JESSICA DAUGHERTY
MR. WILL HASSETT
ERLER & KALINOWSKI, INC.
1870 OGDEN DRIVE
BURLINGAME, CA 94010

Phone: 650-292-9100
Email: labs@ekiconsult.com
jsu@ekiconsult.com
jdaugherty@ekiconsult.com
whassett@ekiconsult.com

ACCT: 9115
PROJ: A40028.01 T5

FROM: Richard A. Kagel, Ph.D.
Laboratory Director

RAK by cw 05/07/2015

SUBJECT: LABORATORY RESULTS FOR YOUR PROJECT A40028.01 T5

Enclosed please find K Prime's laboratory reports for the following samples:

SAMPLE ID	TYPE	DATE	TIME	KPI LAB #
H-H-6.5-9	WATER	5/5/2015	15:48	132551

The above listed sample group was received on 5/5/2015 and tested as requested on the chain of custody document.

Please call me if you have any questions or need further information.
Thank you for this opportunity to be of service.

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: GRO-GASOLINE RANGE ORGANICS
REFERENCE: EPA 8015B

SAMPLE TYPE: PRODUCT
UNITS: mg/Kg

SAMPLE ID	LAB NO.	DATE SAMPLED	TIME SAMPLED	BATCH ID	DATE ANALYZED	MRL	SAMPLE CONC	GRO PATTERN
H-H-6.5-9	132551	05/05/2015	15:48	050115P1	05/07/2015	4000	15900	

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE
MRL - METHOD REPORTING LIMIT
AE - UNKNOWN HYDROCARBON WITH A SINGLE PEAK
AN - UNKNOWN HYDROCARBON WITH SEVERAL PEAKS
AS - HEAVIER HYDROCARBON THAN GASOLINE CONTRIBUTING TO GRO VALUE
CO - HYDROCARBON RESPONSE IN GASOLINE RANGE BUT DOES NOT RESEMBLE GASOLINE

APPROVED BY: CW
DATE: 05/07/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: H-H-6.5-9
LAB NO: 132551
DATE SAMPLED: 05/05/2015
TIME SAMPLED: 15:48
BATCH #: 042315P1
DATE ANALYZED: 05/07/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5035/8260

SAMPLE TYPE: PRODUCT
UNITS: µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	40000	ND
CHLOROMETHANE	74-87-3	40000	ND
VINYL CHLORIDE	75-01-4	40000	ND
BROMOMETHANE	74-83-9	40000	ND
CHLOROETHANE	75-00-3	40000	ND
TRICHLOROFLUOROMETHANE	75-69-4	40000	ND
1,1-DICHLOROETHENE	75-35-4	40000	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	40000	ND
METHYLENE CHLORIDE	75-09-2	200000	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	40000	ND
1,1-DICHLOROETHANE	75-34-3	40000	ND
CIS-1,2-DICHLOROETHENE	156-59-2	40000	ND
2,2-DICHLOROPROPANE	594-20-7	40000	ND
BROMOCHLOROMETHANE	74-97-5	40000	ND
CHLOROFORM	67-66-3	40000	ND
1,1,1-TRICHLOROETHANE	71-55-6	40000	ND
CARBON TETRACHLORIDE	56-23-5	40000	ND
1,1-DICHLOROPROPENE	563-58-6	40000	ND
BENZENE	71-43-2	40000	ND
1,2-DICHLOROETHANE	107-06-2	40000	ND
TRICHLOROETHENE	79-01-6	40000	ND
1,2-DICHLOROPROPANE	78-87-5	40000	ND
DIBROMOMETHANE	74-95-3	40000	ND
BROMODICHLOROMETHANE	75-27-4	40000	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	40000	ND
TOLUENE	108-88-3	40000	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	40000	ND
1,1,2-TRICHLOROETHANE	79-00-5	40000	ND
TETRACHLOROETHENE	127-18-4	40000	ND
1,3-DICHLOROPROPANE	142-28-9	40000	ND
DIBROMOCHLOROMETHANE	124-48-1	40000	ND
1,2-DIBROMOETHANE	106-93-4	40000	ND
CHLOROBENZENE	108-90-7	40000	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	40000	ND
ETHYLBENZENE	100-41-4	40000	72900
XYLENE (M+P)	1330-20-7	40000	295000
XYLENE (O)	1330-20-7	40000	81500
STYRENE	100-42-5	40000	ND
BROMOFORM	75-25-2	40000	ND
ISOPROPYLBENZENE	98-82-8	40000	44400
1,1,2,2-TETRACHLOROETHANE	79-34-5	40000	ND
BROMOBENZENE	108-86-1	40000	ND
1,2,3-TRICHLOROPROPANE	96-18-4	40000	ND
N-PROPYLBENZENE	103-65-1	40000	83500
2-CHLOROTOLUENE	95-49-8	40000	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: H-H-6.5-9
LAB NO: 132551
DATE SAMPLED: 05/05/2015
TIME SAMPLED: 15:48
BATCH #: 042315P1
DATE ANALYZED: 05/07/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5035/8260

SAMPLE TYPE: PRODUCT
UNITS: µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	40000	197000
4-CHLOROTOLUENE	106-43-4	40000	ND
TERT-BUTYLBENZENE	98-06-6	40000	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	40000	631000
SEC-BUTYLBENZENE	135-98-8	40000	63800
1,3-DICHLOROBENZENE	541-73-1	40000	ND
4-ISOPROPYLTOLUENE	99-87-6	40000	77000
1,4-DICHLOROBENZENE	106-46-7	40000	ND
N-BUTYLBENZENE	104-51-8	40000	140000
1,2-DICHLOROBENZENE	95-50-1	40000	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	40000	ND
1,2,4-TRICHLOROBENZENE	120-82-1	80000	ND
HEXACHLOROBUTADIENE	87-68-3	80000	ND
NAPHTHALENE	91-20-3	80000	1000000
1,2,3-TRICHLOROBENZENE	87-61-6	80000	ND
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	40000	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	108
TOLUENE-D8	105
4-BROMOFLUOROBENZENE	104

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: CW
DATE: 05/07/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: DRO
REFERENCE: EPA 8015B

SAMPLE TYPE: PRODUCT
UNITS: mg/Kg

SAMPLE ID	LAB NO.	DATE SAMPLED	BATCH ID	EXTRACT DATE	DATE ANALYZED	MRL	SAMPLE CONC	DRO PATTERN
H-H-6.5-9	132551	05/05/2015	042315S1	05/06/2015	05/06/2015	40000	731000	

NOTES:

DRO	Diesel Range Organics (C12-C23) with Silica Gel Cleanup
ND	Not Detected at or above the stated MRL
NA	Not Applicable or Available
MRL	Method Reporting Limit
AD	Typical Pattern for Diesel
AM	Hydrocarbon response is in the C12-C22 range
AC	Heavier hydrocarbons contributing to diesel range quantitation
AJ	Heavier hydrocarbon than diesel
AK	Lighter hydrocarbon than diesel
AE	Unknown hydrocarbon with a single peak
AN	Unknown hydrocarbon with several peaks

APPROVED BY: CW
DATE: 05/07/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: HRO
REFERENCE: EPA 8015B

SAMPLE TYPE: PRODUCT
UNITS: mg/Kg

SAMPLE ID	LAB NO.	DATE SAMPLED	BATCH ID	EXTRACT DATE	DATE ANALYZED	MRL	SAMPLE CONC	HRO PATTERN
H-H-6.5-9	132551	05/05/2015	042315S1	05/06/2015	05/06/2015	40000	ND	

NOTES:

HRO	Heavy Range Organics (C24-C34) with Silica Gel Cleanup
ND	Not Detected at or above the stated MRL
NA	Not Applicable or Available
MRL	Method Reporting Limit
AE	Unknown hydrocarbon with a single peak
AN	Unknown hydrocarbon with several peaks

APPROVED BY: [signature]
DATE: 05/07/2015

K PRIME, INC.
LABORATORY QC REPORT

METHOD BLANK ID: B050115P1
SAMPLE TYPE: PRODUCT

METHOD: GRO-GASOLINE RANGE ORGANICS
REFERENCE: EPA 8015B

BATCH #: 050115P1
DATE EXTRACTED: 05/01/2015
DATE ANALYZED: 05/01/2015

UNITS: mg/kg

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
TPH-G	1.00	ND

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

SAMPLE ID: L050115P1
DUPLICATE ID: D050115P1
BATCH #: 050115P1
SAMPLE TYPE: PRODUCT
UNITS: mg/kg

DATE EXTRACTED: 05/01/2015
DATE ANALYZED: 05/01/2015

ACCURACY (MATRIX SPIKE)

PARAMETER	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
TPH-G	5.00	ND	4.53	91	60-140

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
TPH-G	1.00	4.53	4.71	3.9	±20

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

K PRIME, INC.

LABORATORY METHOD BLANK REPORT **METHOD BLANK ID:** B042315P1

BATCH #: 042315P1
DATE ANALYZED: 04/23/2015

METHOD: VOLATILE ORGANIC COMPOUNDS **SAMPLE TYPE:** PRODUCT
REFERENCE: EPA 5035/8260 **UNITS:** µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	1.50	ND
CHLOROMETHANE	74-87-3	1.50	ND
VINYL CHLORIDE	75-01-4	1.50	ND
BROMOMETHANE	74-83-9	1.50	ND
CHLOROETHANE	75-00-3	1.50	ND
TRICHLOROFLUOROMETHANE	75-69-4	1.50	ND
1,1-DICHLOROETHENE	75-35-4	1.50	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	1.50	ND
METHYLENE CHLORIDE	75-09-2	7.50	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	1.50	ND
1,1-DICHLOROETHANE	75-34-3	1.50	ND
CIS-1,2-DICHLOROETHENE	156-59-2	1.50	ND
2,2-DICHLOROPROPANE	594-20-7	1.50	ND
BROMOCHLOROMETHANE	74-97-5	1.50	ND
CHLOROFORM	67-66-3	1.50	ND
1,1,1-TRICHLOROETHANE	71-55-6	1.50	ND
CARBON TETRACHLORIDE	56-23-5	1.50	ND
1,1-DICHLOROPROPENE	563-58-6	1.50	ND
BENZENE	71-43-2	1.50	ND
1,2-DICHLOROETHANE	107-06-2	1.50	ND
TRICHLOROETHENE	79-01-6	1.50	ND
1,2-DICHLOROPROPANE	78-87-5	1.50	ND
DIBROMOMETHANE	74-95-3	1.50	ND
BROMODICHLOROMETHANE	75-27-4	1.50	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	1.50	ND
TOLUENE	108-88-3	1.50	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	1.50	ND
1,1,2-TRICHLOROETHANE	79-00-5	1.50	ND
TETRACHLOROETHENE	127-18-4	1.50	ND
1,3-DICHLOROPROPANE	142-28-9	1.50	ND
DIBROMOCHLOROMETHANE	124-48-1	1.50	ND
1,2-DIBROMOETHANE	106-93-4	1.50	ND
CHLOROBENZENE	108-90-7	1.50	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	1.50	ND
ETHYLBENZENE	100-41-4	1.50	ND
XYLENE (M+P)	1330-20-7	1.50	ND
XYLENE (O)	1330-20-7	1.50	ND
STYRENE	100-42-5	1.50	ND
BROMOFORM	75-25-2	1.50	ND
ISOPROPYLBENZENE	98-82-8	1.50	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	1.50	ND
BROMOBENZENE	108-86-1	1.50	ND
1,2,3-TRICHLOROPROPANE	96-18-4	1.50	ND
N-PROPYLBENZENE	103-65-1	1.50	ND
2-CHLOROTOLUENE	95-49-8	1.50	ND

K PRIME, INC.

LABORATORY METHOD BLANK REPORT **METHOD BLANK ID:** B042315P1

BATCH #: 042315P1
DATE ANALYZED: 04/23/2015

METHOD: VOLATILE ORGANIC COMPOUNDS **SAMPLE TYPE:** PRODUCT
REFERENCE: EPA 5035/8260 **UNITS:** µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	1.50	ND
4-CHLOROTOLUENE	106-43-4	1.50	ND
TERT-BUTYLBENZENE	98-06-6	1.50	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	1.50	ND
SEC-BUTYLBENZENE	135-98-8	1.50	ND
1,3-DICHLOROBENZENE	541-73-1	1.50	ND
4-ISOPROPYLTOLUENE	99-87-6	1.50	ND
1,4-DICHLOROBENZENE	106-46-7	1.50	ND
N-BUTYLBENZENE	104-51-8	1.50	ND
1,2-DICHLOROBENZENE	95-50-1	1.50	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	1.50	ND
1,2,4-TRICHLOROBENZENE	120-82-1	3.00	ND
HEXACHLOROBUTADIENE	87-68-3	3.00	ND
NAPHTHALENE	91-20-3	3.00	ND
1,2,3-TRICHLOROBENZENE	87-61-6	3.00	ND
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	1.50	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	89
TOLUENE-D8	92
4-BROMOFLUOROBENZENE	94

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

K PRIME, INC.

LABORATORY QC REPORT

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5035/8260

SAMPLE ID: B042315P1
SPIKE ID: L042315P1
DUPLICATE ID: D042315P1
BATCH #: 042315P1
SAMPLE TYPE: SOIL
UNITS: µg/Kg

ACCURACY (MATRIX SPIKE)

PARAMETER	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
1,1 DICHLOROETHENE	30.0	ND	23.1	77	60-140
BENZENE	30.0	ND	21.7	72	60-140
TRICHLOROETHENE	30.0	ND	23.0	77	60-140
TOLUENE	30.0	ND	25.4	85	60-140
CHLOROBENZENE	30.0	ND	31.3	104	60-140

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
1,1 DICHLOROETHENE	1.50	23.1	21.7	6.2	±20
BENZENE	1.50	21.7	21.3	1.9	±20
TRICHLOROETHENE	1.50	23.0	22.5	2.3	±20
TOLUENE	1.50	25.4	24.7	2.9	±20
CHLOROBENZENE	1.50	31.3	31.5	0.5	±20

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

K PRIME, INC.
LABORATORY QUALITY CONTROL REPORT

BATCH ID: 042315S1
DATE EXTRACTED: 04/23/15
DATE ANALYZED: 04/24/15

METHOD: DRO
REFERENCE: EPA 8015C

SAMPLE TYPE: PRODUCT
UNITS: mg/Kg

METHOD BLANK ID: B042315S1

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
DRO	10.0	ND

SAMPLE ID: L042315S1
DUPLICATE ID: D042315S1

ACCURACY (MATRIX SPIKE)

PARAMETER	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
DRO	500	ND	482	96	60-140

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
DRO	10.0	482	515	6.5	±20

NOTES:
DRO - DIESEL RANGE ORGANICS (C12-C34)
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

9115

Erler & Kalinowski, Inc.
CONSULTING ENGINEERS AND SCIENTISTS

CHAIN OF CUSTODY RECORD

1870 Ogden Drive, Burlingame CA 94010 PHONE: 650-292-9100 FAX: 650-552-9012

PAGE 1 OF 1

Project Name: Site B - Offsite
Project No.: A40028.01 T5
EKI COC No.: (YYYYMMDD-#) 20150505-7
Revision: ______ (A, B, C, D, etc.)
Date: By:

Location: Emeryville, CA
Sampled By: J. Daugherty, W. Hassett, B. Castle, J. Shaw

Reporting:
Electronic Format: EDF Hard Copy Format: PDF
EPA Data Report Level: II

Laboratory:
K Prime, Inc.
3621 Westwind Blvd
Santa Rosa, CA 95403
(707) 527-7574

Please report results to the following:
(1) **EKI**: labs@ekiconsult.com
(2) **Joy Su**: jsu@ekiconsult.com
(3) **Jessica Daugherty:** jdaugherty@ekiconsult.com
(4) **Will Hassett**: whassett@ekiconsult.com

Grab Groundwater

ANALYSES REQUESTED

Field Sample Identification	Lab Sample No.	Date	Time	Matrix	Number / Type of Container (Preservative)	VOCs + MTBE (EPA 8260B)	Hexavalent Chromium (EPA 7199)	Title 22 Metals (EPA 200.8)	TEPH C12-C34	TPHg						Field Filtered with 0.45-micron filter	PLACE ON HOLD	EXPECTED TURNAROUND TIME	Remarks
H-H-6.5-9	132551	5-5-15	1548	Water	~~3 - VOAs (HCl)~~ 1 amber 1 - 250-mL Poly 1 - 250-mL Poly (HNO$_3$)	X			X	X								Std	
					3 - VOAs (HCl) 1 - 250-mL Poly 1 - 250-mL Poly (HNO$_3$)														
					3 - VOAs (HCl) 1 - 250-mL Poly 1 - 250-mL Poly (HNO$_3$)														
					3 - VOAs (HCl) 1 - 250-mL Poly 1 - 250-mL Poly (HNO$_3$)														
					3 - VOAs (HCl) 1 - 250-mL Poly 1 - 250-mL Poly (HNO$_3$)														
					3 - VOAs (HCl) 1 - 250-mL Poly 1 - 250-mL Poly (HNO$_3$) JD3														

Special Instructions: **Temperature blank included**

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation or Carrier/Air Bill No.)
[illegible] / EKI	5-5-15	1750	[illegible]
[illegible]	5-5-15	1905	Maas Wundene [illegible] / KPI

9115

Erler & Kalinowski, Inc.

CONSULTING ENGINEERS AND SCIENTISTS

CHAIN OF CUSTODY RECORD

1870 Ogden Drive, Burlingame CA 94010 PHONE: 650-292-9100 FAX: 650-552-9012

PAGE 1 OF 1

Project Name: Site B - Offsite

Project No.: A40028.01 T5

Location: Emeryville, CA

Sampled By: J. Daugherty, W. Hassett, B. Castle, J. Shaw

Reporting
Electronic Format: EDF Hard Copy Format: PDF
EPA Data Report Level: II

Please report results to the following:
(1) **EKI**: labs@ekiconsult.com
(2) **Joy Su**: jsu@ekiconsult.com
(3) **Jessica Daugherty**: jdaugherty@ekiconsult.com
(4) **Will Hassett**: whassett@ekiconsult.com

Laboratory:
K Prime, Inc.
3621 Westwind Blvd
Santa Rosa, CA 95403
(707) 527-7574

ANALYSES REQUESTED

EKI COC No. (YYYYMMDD-#): 20150505-7

Revision: A (A, B, C, D, etc.)

Date: 5/4/15 By: JS

Grab Groundwater

Field Sample Identification	Lab Sample No.	Date	Time	Matrix	Number / Type of Container (Preservative)	Method No. / Analyte Group: EPA 8260B VOCs + MTBE	EPA 7199 Hexavalent Chromium	EPA 200.8 Title 22 Metals	TPH-d (Primo w/silica gel cleanup) TEPH C13-C34	TPHg	Field Filtered with 0.45-micron filter	PLACE ON HOLD	EXPECTED TURNAROUND TIME	Remarks
H-H-6.5-9	132551	5-5-15	1548	Water (JS) aqueous	~~6 - VOAs (HCl)~~ 3 amber 1 - 250-mL Poly 1 - 250-mL Poly (HNO_3) JS7	X			X	X			~~Std~~ 24 hr (JS)	Analyze non-aqueous phase.
					3 - VOAs (HCl) 1 - 250-mL Poly 1 - 250-mL Poly (HNO_3)									
					3 - VOAs (HCl) 1 - 250-mL Poly 1 - 250-mL Poly (HNO_3)									
					3 - VOAs (HCl) 1 - 250-mL Poly 1 - 250-mL Poly (HNO_3)									
					3 - VOAs (HCl) 1 - 250-mL Poly 1 - 250-mL Poly (HNO_3)									
					3 - VOAs (HCl) 1 - 250-mL Poly 1 - 250-mL Poly (HNO_3) JS3									

Special Instructions: Temperature blank included

Relinquished by:	(Signature/Affiliation) EKI	Date 5-5-15	Time 1750	Received by:	(Signature/Affiliation or Carrier/Air Bill No.)
Relinquished by:	(Signature/Affiliation)	Date 5-5-15	Time 1905	Received by:	(Signature/Affiliation)
Relinquished by:	(Signature/Affiliation)	Date	Time	Received by:	(Signature/Affiliation) KPI

K PRIME, Inc.

CONSULTING ANALYTICAL CHEMISTS

3621 Westwind Blvd.
Santa Rosa CA 95403
Phone: 707 527 7574
FAX: 707 527 7879

TRANSMITTAL

DATE: 5/14/2015

TO: MS. JOY SU
MS. JESSICA DAUGHERTY
MR. WILL HASSETT
ERLER & KALINOWSKI, INC.
1870 OGDEN DRIVE
BURLINGAME, CA 94010

Phone: 650-292-9100
Email: labs@ekiconsult.com
jsu@ekiconsult.com
jdaugherty@ekiconsult.com
whassett@ekiconsult.com

ACCT: 9115
PROJ: A40028.01 T5

FROM: Richard A. Kagel, Ph.D.
Laboratory Director RAK by CA 5/14/2015

SUBJECT: LABORATORY RESULTS FOR YOUR PROJECT A40028.01 T5

Enclosed please find K Prime's laboratory reports for the following samples:

SAMPLE ID	TYPE	DATE	TIME	KPI LAB #
H-I-42-46	WATER	5/6/2015	8:50	132629
H-I-42-46-DUP	WATER	5/6/2015	8:50	132630
H-I-29-33	WATER	5/6/2015	10:00	132631
H-H-42-46	WATER	5/6/2015	9:32	132632
G1-58-62	WATER	5/6/2015	11:20	132633
MPW3	WATER	5/7/2015	15:16	132634
MPW2	WATER	5/7/2015	11:15	132635
MPW1	WATER	5/7/2015	16:36	132636
MPW1-DUP	WATER	5/7/2015	16:36	132637
OSN7-52-56	WATER	5/7/2015	13:40	132638
OSN7-29-34	WATER	5/7/2015	14:22	132639
OSN8-52-56	WATER	5/7/2015	15:42	132640
OSN8-30-34	WATER	5/7/2015	16:16	132641
OSN7-14-19	WATER	5/7/2015	17:15	132642
H-I-22-26	WATER	5/6/2015	13:40	132643

The above listed sample group was received on 5/7/2015 and tested as requested on the chain of custody document.

Please call me if you have any questions or need further information.
Thank you for this opportunity to be of service.

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: GRO-GASOLINE RANGE ORGANICS **SAMPLE TYPE:** WATER
REFERENCE: EPA 8015B **UNITS:** mg/L

SAMPLE ID	LAB NO.	DATE SAMPLED	TIME SAMPLED	BATCH ID	DATE ANALYZED	MRL	SAMPLE CONC	GRO PATTERN
H-I-22-26	132643	05/06/2015	13:40	042715W1	05/08/2015	0.050	ND	

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE
MRL - METHOD REPORTING LIMIT
AE - UNKNOWN HYDROCARBON WITH A SINGLE PEAK
AN - UNKNOWN HYDROCARBON WITH SEVERAL PEAKS
AS - HEAVIER HYDROCARBON THAN GASOLINE CONTRIBUTING TO GRO VALUE
CO - HYDROCARBON RESPONSE IN GASOLINE RANGE BUT DOES NOT RESEMBLE GASOLINE

APPROVED BY: CW
DATE: 05/14/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: H-I-42-46
LAB NO: 132629
DATE SAMPLED: 05/06/2015
TIME SAMPLED: 08:50
BATCH #: 050815W1
DATE ANALYZED: 05/11/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	0.500	ND
CHLOROMETHANE	74-87-3	0.500	ND
VINYL CHLORIDE	75-01-4	0.500	ND
BROMOMETHANE	74-83-9	0.500	ND
CHLOROETHANE	75-00-3	0.500	ND
TRICHLOROFLUOROMETHANE	75-69-4	0.500	ND
1,1-DICHLOROETHENE	75-35-4	0.500	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	0.500	ND
METHYLENE CHLORIDE	75-09-2	2.50	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	0.500	ND
1,1-DICHLOROETHANE	75-34-3	0.500	ND
CIS-1,2-DICHLOROETHENE	156-59-2	0.500	ND
2,2-DICHLOROPROPANE	594-20-7	0.500	ND
BROMOCHLOROMETHANE	74-97-5	0.500	ND
CHLOROFORM	67-66-3	0.500	ND
1,1,1-TRICHLOROETHANE	71-55-6	0.500	ND
CARBON TETRACHLORIDE	56-23-5	0.500	ND
1,1-DICHLOROPROPENE	563-58-6	0.500	ND
BENZENE	71-43-2	0.500	ND
1,2-DICHLOROETHANE	107-06-2	0.500	ND
TRICHLOROETHENE	79-01-6	0.500	ND
1,2-DICHLOROPROPANE	78-87-5	0.500	ND
DIBROMOMETHANE	74-95-3	0.500	ND
BROMODICHLOROMETHANE	75-27-4	0.500	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	0.500	ND
TOLUENE	108-88-3	0.500	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.500	ND
1,1,2-TRICHLOROETHANE	79-00-5	0.500	ND
TETRACHLOROETHENE	127-18-4	0.500	ND
1,3-DICHLOROPROPANE	142-28-9	0.500	ND
DIBROMOCHLOROMETHANE	124-48-1	0.500	ND
1,2-DIBROMOETHANE	106-93-4	0.500	ND
CHLOROBENZENE	108-90-7	0.500	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	0.500	ND
ETHYLBENZENE	100-41-4	0.500	ND
XYLENE (M+P)	1330-20-7	0.500	ND
XYLENE (O)	1330-20-7	0.500	ND
STYRENE	100-42-5	0.500	ND
BROMOFORM	75-25-2	0.500	ND
ISOPROPYLBENZENE	98-82-8	0.500	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.500	ND
BROMOBENZENE	108-86-1	0.500	ND
1,2,3-TRICHLOROPROPANE	96-18-4	0.500	ND
N-PROPYLBENZENE	103-65-1	0.500	ND
2-CHLOROTOLUENE	95-49-8	0.500	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: H-I-42-46
LAB NO: 132629
DATE SAMPLED: 05/06/2015
TIME SAMPLED: 08:50
BATCH #: 050815W1
DATE ANALYZED: 05/11/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	0.500	ND
4-CHLOROTOLUENE	106-43-4	0.500	ND
TERT-BUTYLBENZENE	98-06-6	0.500	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	0.500	ND
SEC-BUTYLBENZENE	135-98-8	0.500	ND
1,3-DICHLOROBENZENE	541-73-1	0.500	ND
4-ISOPROPYLTOLUENE	99-87-6	0.500	ND
1,4-DICHLOROBENZENE	106-46-7	0.500	ND
N-BUTYLBENZENE	104-51-8	0.500	ND
1,2-DICHLOROBENZENE	95-50-1	0.500	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.500	ND
1,2,4-TRICHLOROBENZENE	120-82-1	1.00	ND
HEXACHLOROBUTADIENE	87-68-3	1.00	ND
NAPHTHALENE	91-20-3	1.00	ND
1,2,3-TRICHLOROBENZENE	87-61-6	1.00	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	102
TOLUENE-D8	102
4-BROMOFLUOROBENZENE	91

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: AW
DATE: 05/14/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: H-I-42-46-DUP
LAB NO: 132630
DATE SAMPLED: 05/06/2015
TIME SAMPLED: 08:50
BATCH #: 050815W1
DATE ANALYZED: 05/11/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	0.500	ND
CHLOROMETHANE	74-87-3	0.500	ND
VINYL CHLORIDE	75-01-4	0.500	ND
BROMOMETHANE	74-83-9	0.500	ND
CHLOROETHANE	75-00-3	0.500	ND
TRICHLOROFLUOROMETHANE	75-69-4	0.500	ND
1,1-DICHLOROETHENE	75-35-4	0.500	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	0.500	ND
METHYLENE CHLORIDE	75-09-2	2.50	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	0.500	ND
1,1-DICHLOROETHANE	75-34-3	0.500	ND
CIS-1,2-DICHLOROETHENE	156-59-2	0.500	ND
2,2-DICHLOROPROPANE	594-20-7	0.500	ND
BROMOCHLOROMETHANE	74-97-5	0.500	ND
CHLOROFORM	67-66-3	0.500	ND
1,1,1-TRICHLOROETHANE	71-55-6	0.500	ND
CARBON TETRACHLORIDE	56-23-5	0.500	ND
1,1-DICHLOROPROPENE	563-58-6	0.500	ND
BENZENE	71-43-2	0.500	ND
1,2-DICHLOROETHANE	107-06-2	0.500	ND
TRICHLOROETHENE	79-01-6	0.500	ND
1,2-DICHLOROPROPANE	78-87-5	0.500	ND
DIBROMOMETHANE	74-95-3	0.500	ND
BROMODICHLOROMETHANE	75-27-4	0.500	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	0.500	ND
TOLUENE	108-88-3	0.500	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.500	ND
1,1,2-TRICHLOROETHANE	79-00-5	0.500	ND
TETRACHLOROETHENE	127-18-4	0.500	ND
1,3-DICHLOROPROPANE	142-28-9	0.500	ND
DIBROMOCHLOROMETHANE	124-48-1	0.500	ND
1,2-DIBROMOETHANE	106-93-4	0.500	ND
CHLOROBENZENE	108-90-7	0.500	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	0.500	ND
ETHYLBENZENE	100-41-4	0.500	ND
XYLENE (M+P)	1330-20-7	0.500	ND
XYLENE (O)	1330-20-7	0.500	ND
STYRENE	100-42-5	0.500	ND
BROMOFORM	75-25-2	0.500	ND
ISOPROPYLBENZENE	98-82-8	0.500	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.500	ND
BROMOBENZENE	108-86-1	0.500	ND
1,2,3-TRICHLOROPROPANE	96-18-4	0.500	ND
N-PROPYLBENZENE	103-65-1	0.500	ND
2-CHLOROTOLUENE	95-49-8	0.500	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: H-I-42-46-DUP
LAB NO: 132630
DATE SAMPLED: 05/06/2015
TIME SAMPLED: 08:50
BATCH #: 050815W1
DATE ANALYZED: 05/11/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	0.500	ND
4-CHLOROTOLUENE	106-43-4	0.500	ND
TERT-BUTYLBENZENE	98-06-6	0.500	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	0.500	ND
SEC-BUTYLBENZENE	135-98-8	0.500	ND
1,3-DICHLOROBENZENE	541-73-1	0.500	ND
4-ISOPROPYLTOLUENE	99-87-6	0.500	ND
1,4-DICHLOROBENZENE	106-46-7	0.500	ND
N-BUTYLBENZENE	104-51-8	0.500	ND
1,2-DICHLOROBENZENE	95-50-1	0.500	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.500	ND
1,2,4-TRICHLOROBENZENE	120-82-1	1.00	ND
HEXACHLOROBUTADIENE	87-68-3	1.00	ND
NAPHTHALENE	91-20-3	1.00	ND
1,2,3-TRICHLOROBENZENE	87-61-6	1.00	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	107
TOLUENE-D8	102
4-BROMOFLUOROBENZENE	93

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: JCh
DATE: 05/14/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: H-I-29-33
LAB NO: 132631
DATE SAMPLED: 05/06/2015
TIME SAMPLED: 10:00
BATCH #: 050815W1
DATE ANALYZED: 05/11/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	0.500	ND
CHLOROMETHANE	74-87-3	0.500	ND
VINYL CHLORIDE	75-01-4	0.500	ND
BROMOMETHANE	74-83-9	0.500	ND
CHLOROETHANE	75-00-3	0.500	ND
TRICHLOROFLUOROMETHANE	75-69-4	0.500	ND
1,1-DICHLOROETHENE	75-35-4	0.500	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	0.500	ND
METHYLENE CHLORIDE	75-09-2	2.50	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	0.500	ND
1,1-DICHLOROETHANE	75-34-3	0.500	ND
CIS-1,2-DICHLOROETHENE	156-59-2	0.500	ND
2,2-DICHLOROPROPANE	594-20-7	0.500	ND
BROMOCHLOROMETHANE	74-97-5	0.500	ND
CHLOROFORM	67-66-3	0.500	ND
1,1,1-TRICHLOROETHANE	71-55-6	0.500	ND
CARBON TETRACHLORIDE	56-23-5	0.500	ND
1,1-DICHLOROPROPENE	563-58-6	0.500	ND
BENZENE	71-43-2	0.500	ND
1,2-DICHLOROETHANE	107-06-2	0.500	ND
TRICHLOROETHENE	79-01-6	0.500	ND
1,2-DICHLOROPROPANE	78-87-5	0.500	ND
DIBROMOMETHANE	74-95-3	0.500	ND
BROMODICHLOROMETHANE	75-27-4	0.500	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	0.500	ND
TOLUENE	108-88-3	0.500	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.500	ND
1,1,2-TRICHLOROETHANE	79-00-5	0.500	ND
TETRACHLOROETHENE	127-18-4	0.500	ND
1,3-DICHLOROPROPANE	142-28-9	0.500	ND
DIBROMOCHLOROMETHANE	124-48-1	0.500	ND
1,2-DIBROMOETHANE	106-93-4	0.500	ND
CHLOROBENZENE	108-90-7	0.500	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	0.500	ND
ETHYLBENZENE	100-41-4	0.500	ND
XYLENE (M+P)	1330-20-7	0.500	ND
XYLENE (O)	1330-20-7	0.500	ND
STYRENE	100-42-5	0.500	ND
BROMOFORM	75-25-2	0.500	ND
ISOPROPYLBENZENE	98-82-8	0.500	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.500	ND
BROMOBENZENE	108-86-1	0.500	ND
1,2,3-TRICHLOROPROPANE	96-18-4	0.500	ND
N-PROPYLBENZENE	103-65-1	0.500	ND
2-CHLOROTOLUENE	95-49-8	0.500	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: H-I-29-33
LAB NO: 132631
DATE SAMPLED: 05/06/2015
TIME SAMPLED: 10:00
BATCH #: 050815W1
DATE ANALYZED: 05/11/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	0.500	ND
4-CHLOROTOLUENE	106-43-4	0.500	ND
TERT-BUTYLBENZENE	98-06-6	0.500	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	0.500	ND
SEC-BUTYLBENZENE	135-98-8	0.500	ND
1,3-DICHLOROBENZENE	541-73-1	0.500	ND
4-ISOPROPYLTOLUENE	99-87-6	0.500	ND
1,4-DICHLOROBENZENE	106-46-7	0.500	ND
N-BUTYLBENZENE	104-51-8	0.500	ND
1,2-DICHLOROBENZENE	95-50-1	0.500	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.500	ND
1,2,4-TRICHLOROBENZENE	120-82-1	1.00	ND
HEXACHLOROBUTADIENE	87-68-3	1.00	ND
NAPHTHALENE	91-20-3	1.00	ND
1,2,3-TRICHLOROBENZENE	87-61-6	1.00	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	107
TOLUENE-D8	101
4-BROMOFLUOROBENZENE	93

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: (Ch)
DATE: 05/14/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: H-H-42-46
LAB NO: 132632
DATE SAMPLED: 05/06/2015
TIME SAMPLED: 09:32
BATCH #: 050815W1
DATE ANALYZED: 05/11/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	0.500	ND
CHLOROMETHANE	74-87-3	0.500	ND
VINYL CHLORIDE	75-01-4	0.500	ND
BROMOMETHANE	74-83-9	0.500	ND
CHLOROETHANE	75-00-3	0.500	ND
TRICHLOROFLUOROMETHANE	75-69-4	0.500	ND
1,1-DICHLOROETHENE	75-35-4	0.500	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	0.500	ND
METHYLENE CHLORIDE	75-09-2	2.50	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	0.500	ND
1,1-DICHLOROETHANE	75-34-3	0.500	ND
CIS-1,2-DICHLOROETHENE	156-59-2	0.500	ND
2,2-DICHLOROPROPANE	594-20-7	0.500	ND
BROMOCHLOROMETHANE	74-97-5	0.500	ND
CHLOROFORM	67-66-3	0.500	ND
1,1,1-TRICHLOROETHANE	71-55-6	0.500	ND
CARBON TETRACHLORIDE	56-23-5	0.500	ND
1,1-DICHLOROPROPENE	563-58-6	0.500	ND
BENZENE	71-43-2	0.500	ND
1,2-DICHLOROETHANE	107-06-2	0.500	ND
TRICHLOROETHENE	79-01-6	0.500	ND
1,2-DICHLOROPROPANE	78-87-5	0.500	ND
DIBROMOMETHANE	74-95-3	0.500	ND
BROMODICHLOROMETHANE	75-27-4	0.500	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	0.500	ND
TOLUENE	108-88-3	0.500	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.500	ND
1,1,2-TRICHLOROETHANE	79-00-5	0.500	ND
TETRACHLOROETHENE	127-18-4	0.500	ND
1,3-DICHLOROPROPANE	142-28-9	0.500	ND
DIBROMOCHLOROMETHANE	124-48-1	0.500	ND
1,2-DIBROMOETHANE	106-93-4	0.500	ND
CHLOROBENZENE	108-90-7	0.500	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	0.500	ND
ETHYLBENZENE	100-41-4	0.500	ND
XYLENE (M+P)	1330-20-7	0.500	ND
XYLENE (O)	1330-20-7	0.500	ND
STYRENE	100-42-5	0.500	ND
BROMOFORM	75-25-2	0.500	ND
ISOPROPYLBENZENE	98-82-8	0.500	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.500	ND
BROMOBENZENE	108-86-1	0.500	ND
1,2,3-TRICHLOROPROPANE	96-18-4	0.500	ND
N-PROPYLBENZENE	103-65-1	0.500	ND
2-CHLOROTOLUENE	95-49-8	0.500	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: H-H-42-46
LAB NO: 132632
DATE SAMPLED: 05/06/2015
TIME SAMPLED: 09:32
K PRIME PROJECT: 9115 **BATCH #:** 050815W1
CLIENT PROJECT: A40028.01 T5 **DATE ANALYZED:** 05/11/2015

METHOD: VOLATILE ORGANIC COMPOUNDS **SAMPLE TYPE:** WATER
REFERENCE: EPA 5030/8260 **UNITS:** ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	0.500	ND
4-CHLOROTOLUENE	106-43-4	0.500	ND
TERT-BUTYLBENZENE	98-06-6	0.500	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	0.500	ND
SEC-BUTYLBENZENE	135-98-8	0.500	ND
1,3-DICHLOROBENZENE	541-73-1	0.500	ND
4-ISOPROPYLTOLUENE	99-87-6	0.500	ND
1,4-DICHLOROBENZENE	106-46-7	0.500	ND
N-BUTYLBENZENE	104-51-8	0.500	ND
1,2-DICHLOROBENZENE	95-50-1	0.500	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.500	ND
1,2,4-TRICHLOROBENZENE	120-82-1	1.00	ND
HEXACHLOROBUTADIENE	87-68-3	1.00	ND
NAPHTHALENE	91-20-3	1.00	ND
1,2,3-TRICHLOROBENZENE	87-61-6	1.00	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	108
TOLUENE-D8	101
4-BROMOFLUOROBENZENE	92

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: CW
DATE: 05/14/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: G1-58-62
LAB NO: 132633
DATE SAMPLED: 05/06/2015
TIME SAMPLED: 11:20
BATCH #: 050815W1
DATE ANALYZED: 05/11/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	0.500	ND
CHLOROMETHANE	74-87-3	0.500	ND
VINYL CHLORIDE	75-01-4	0.500	ND
BROMOMETHANE	74-83-9	0.500	ND
CHLOROETHANE	75-00-3	0.500	ND
TRICHLOROFLUOROMETHANE	75-69-4	0.500	ND
1,1-DICHLOROETHENE	75-35-4	0.500	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	0.500	ND
METHYLENE CHLORIDE	75-09-2	2.50	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	0.500	ND
1,1-DICHLOROETHANE	75-34-3	0.500	ND
CIS-1,2-DICHLOROETHENE	156-59-2	0.500	ND
2,2-DICHLOROPROPANE	594-20-7	0.500	ND
BROMOCHLOROMETHANE	74-97-5	0.500	ND
CHLOROFORM	67-66-3	0.500	ND
1,1,1-TRICHLOROETHANE	71-55-6	0.500	ND
CARBON TETRACHLORIDE	56-23-5	0.500	ND
1,1-DICHLOROPROPENE	563-58-6	0.500	ND
BENZENE	71-43-2	0.500	ND
1,2-DICHLOROETHANE	107-06-2	0.500	ND
TRICHLOROETHENE	79-01-6	0.500	ND
1,2-DICHLOROPROPANE	78-87-5	0.500	ND
DIBROMOMETHANE	74-95-3	0.500	ND
BROMODICHLOROMETHANE	75-27-4	0.500	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	0.500	ND
TOLUENE	108-88-3	0.500	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.500	ND
1,1,2-TRICHLOROETHANE	79-00-5	0.500	ND
TETRACHLOROETHENE	127-18-4	0.500	ND
1,3-DICHLOROPROPANE	142-28-9	0.500	ND
DIBROMOCHLOROMETHANE	124-48-1	0.500	ND
1,2-DIBROMOETHANE	106-93-4	0.500	ND
CHLOROBENZENE	108-90-7	0.500	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	0.500	ND
ETHYLBENZENE	100-41-4	0.500	ND
XYLENE (M+P)	1330-20-7	0.500	ND
XYLENE (O)	1330-20-7	0.500	ND
STYRENE	100-42-5	0.500	ND
BROMOFORM	75-25-2	0.500	ND
ISOPROPYLBENZENE	98-82-8	0.500	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.500	ND
BROMOBENZENE	108-86-1	0.500	ND
1,2,3-TRICHLOROPROPANE	96-18-4	0.500	ND
N-PROPYLBENZENE	103-65-1	0.500	ND
2-CHLOROTOLUENE	95-49-8	0.500	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: G1-58-62
LAB NO: 132633
DATE SAMPLED: 05/06/2015
TIME SAMPLED: 11:20
BATCH #: 050815W1
DATE ANALYZED: 05/11/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	0.500	ND
4-CHLOROTOLUENE	106-43-4	0.500	ND
TERT-BUTYLBENZENE	98-06-6	0.500	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	0.500	ND
SEC-BUTYLBENZENE	135-98-8	0.500	ND
1,3-DICHLOROBENZENE	541-73-1	0.500	ND
4-ISOPROPYLTOLUENE	99-87-6	0.500	ND
1,4-DICHLOROBENZENE	106-46-7	0.500	ND
N-BUTYLBENZENE	104-51-8	0.500	ND
1,2-DICHLOROBENZENE	95-50-1	0.500	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.500	ND
1,2,4-TRICHLOROBENZENE	120-82-1	1.00	ND
HEXACHLOROBUTADIENE	87-68-3	1.00	ND
NAPHTHALENE	91-20-3	1.00	ND
1,2,3-TRICHLOROBENZENE	87-61-6	1.00	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	105
TOLUENE-D8	101
4-BROMOFLUOROBENZENE	91

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: CW
DATE: 05/14/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: MPW3
LAB NO: 132634
DATE SAMPLED: 05/07/2015
TIME SAMPLED: 15:16
K PRIME PROJECT: 9115 **BATCH #:** 050815W1
CLIENT PROJECT: A40028.01 T5 **DATE ANALYZED:** 05/11/2015

METHOD: VOLATILE ORGANIC COMPOUNDS **SAMPLE TYPE:** WATER
REFERENCE: EPA 5030/8260 **UNITS:** ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	5.00	ND
CHLOROMETHANE	74-87-3	5.00	ND
VINYL CHLORIDE	75-01-4	5.00	8.62
BROMOMETHANE	74-83-9	5.00	ND
CHLOROETHANE	75-00-3	5.00	ND
TRICHLOROFLUOROMETHANE	75-69-4	5.00	ND
1,1-DICHLOROETHENE	75-35-4	5.00	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	5.00	ND
METHYLENE CHLORIDE	75-09-2	25.0	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	5.00	57.9
1,1-DICHLOROETHANE	75-34-3	5.00	16.8
CIS-1,2-DICHLOROETHENE	156-59-2	5.00	57.2
2,2-DICHLOROPROPANE	594-20-7	5.00	ND
BROMOCHLOROMETHANE	74-97-5	5.00	ND
CHLOROFORM	67-66-3	5.00	ND
1,1,1-TRICHLOROETHANE	71-55-6	5.00	ND
CARBON TETRACHLORIDE	56-23-5	5.00	ND
1,1-DICHLOROPROPENE	563-58-6	5.00	ND
BENZENE	71-43-2	5.00	ND
1,2-DICHLOROETHANE	107-06-2	5.00	ND
TRICHLOROETHENE	79-01-6	5.00	418
1,2-DICHLOROPROPANE	78-87-5	5.00	ND
DIBROMOMETHANE	74-95-3	5.00	ND
BROMODICHLOROMETHANE	75-27-4	5.00	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	5.00	ND
TOLUENE	108-88-3	5.00	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	5.00	ND
1,1,2-TRICHLOROETHANE	79-00-5	5.00	ND
TETRACHLOROETHENE	127-18-4	5.00	ND
1,3-DICHLOROPROPANE	142-28-9	5.00	ND
DIBROMOCHLOROMETHANE	124-48-1	5.00	ND
1,2-DIBROMOETHANE	106-93-4	5.00	ND
CHLOROBENZENE	108-90-7	5.00	18.9
1,1,1,2-TETRACHLOROETHANE	630-20-6	5.00	ND
ETHYLBENZENE	100-41-4	5.00	ND
XYLENE (M+P)	1330-20-7	5.00	ND
XYLENE (O)	1330-20-7	5.00	ND
STYRENE	100-42-5	5.00	ND
BROMOFORM	75-25-2	5.00	ND
ISOPROPYLBENZENE	98-82-8	5.00	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	5.00	ND
BROMOBENZENE	108-86-1	5.00	ND
1,2,3-TRICHLOROPROPANE	96-18-4	5.00	ND
N-PROPYLBENZENE	103-65-1	5.00	ND
2-CHLOROTOLUENE	95-49-8	5.00	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: MPW3
LAB NO: 132634
DATE SAMPLED: 05/07/2015
TIME SAMPLED: 15:16
K PRIME PROJECT: 9115 **BATCH #:** 050815W1
CLIENT PROJECT: A40028.01 T5 **DATE ANALYZED:** 05/11/2015

METHOD: VOLATILE ORGANIC COMPOUNDS **SAMPLE TYPE:** WATER
REFERENCE: EPA 5030/8260 **UNITS:** ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	5.00	ND
4-CHLOROTOLUENE	106-43-4	5.00	ND
TERT-BUTYLBENZENE	98-06-6	5.00	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	5.00	ND
SEC-BUTYLBENZENE	135-98-8	5.00	ND
1,3-DICHLOROBENZENE	541-73-1	5.00	ND
4-ISOPROPYLTOLUENE	99-87-6	5.00	ND
1,4-DICHLOROBENZENE	106-46-7	5.00	ND
N-BUTYLBENZENE	104-51-8	5.00	ND
1,2-DICHLOROBENZENE	95-50-1	5.00	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	5.00	ND
1,2,4-TRICHLOROBENZENE	120-82-1	10.0	ND
HEXACHLOROBUTADIENE	87-68-3	10.0	ND
NAPHTHALENE	91-20-3	10.0	ND
1,2,3-TRICHLOROBENZENE	87-61-6	10.0	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	106
TOLUENE-D8	101
4-BROMOFLUOROBENZENE	93

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: CW
DATE: 05/14/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: MPW2
LAB NO: 132635
DATE SAMPLED: 05/07/2015
TIME SAMPLED: 11:15
K PRIME PROJECT: 9115 **BATCH #:** 050815W1
CLIENT PROJECT: A40028.01 T5 **DATE ANALYZED:** 05/11/2015

METHOD: VOLATILE ORGANIC COMPOUNDS **SAMPLE TYPE:** WATER
REFERENCE: EPA 5030/8260 **UNITS:** ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	1.00	ND
CHLOROMETHANE	74-87-3	1.00	ND
VINYL CHLORIDE	75-01-4	1.00	45.1
BROMOMETHANE	74-83-9	1.00	ND
CHLOROETHANE	75-00-3	1.00	ND
TRICHLOROFLUOROMETHANE	75-69-4	1.00	ND
1,1-DICHLOROETHENE	75-35-4	1.00	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	1.00	ND
METHYLENE CHLORIDE	75-09-2	5.00	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	1.00	1.40
1,1-DICHLOROETHANE	75-34-3	1.00	61.6
CIS-1,2-DICHLOROETHENE	156-59-2	1.00	5.97
2,2-DICHLOROPROPANE	594-20-7	1.00	ND
BROMOCHLOROMETHANE	74-97-5	1.00	ND
CHLOROFORM	67-66-3	1.00	ND
1,1,1-TRICHLOROETHANE	71-55-6	1.00	ND
CARBON TETRACHLORIDE	56-23-5	1.00	ND
1,1-DICHLOROPROPENE	563-58-6	1.00	ND
BENZENE	71-43-2	1.00	ND
1,2-DICHLOROETHANE	107-06-2	1.00	ND
TRICHLOROETHENE	79-01-6	1.00	ND
1,2-DICHLOROPROPANE	78-87-5	1.00	ND
DIBROMOMETHANE	74-95-3	1.00	ND
BROMODICHLOROMETHANE	75-27-4	1.00	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	1.00	ND
TOLUENE	108-88-3	1.00	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	1.00	ND
1,1,2-TRICHLOROETHANE	79-00-5	1.00	ND
TETRACHLOROETHENE	127-18-4	1.00	ND
1,3-DICHLOROPROPANE	142-28-9	1.00	ND
DIBROMOCHLOROMETHANE	124-48-1	1.00	ND
1,2-DIBROMOETHANE	106-93-4	1.00	ND
CHLOROBENZENE	108-90-7	1.00	9.25
1,1,1,2-TETRACHLOROETHANE	630-20-6	1.00	ND
ETHYLBENZENE	100-41-4	1.00	ND
XYLENE (M+P)	1330-20-7	1.00	ND
XYLENE (O)	1330-20-7	1.00	ND
STYRENE	100-42-5	1.00	ND
BROMOFORM	75-25-2	1.00	ND
ISOPROPYLBENZENE	98-82-8	1.00	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	1.00	ND
BROMOBENZENE	108-86-1	1.00	ND
1,2,3-TRICHLOROPROPANE	96-18-4	1.00	ND
N-PROPYLBENZENE	103-65-1	1.00	ND
2-CHLOROTOLUENE	95-49-8	1.00	2.50

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: MPW2
LAB NO: 132635
DATE SAMPLED: 05/07/2015
TIME SAMPLED: 11:15
BATCH #: 050815W1
DATE ANALYZED: 05/11/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	1.00	ND
4-CHLOROTOLUENE	106-43-4	1.00	ND
TERT-BUTYLBENZENE	98-06-6	1.00	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	1.00	ND
SEC-BUTYLBENZENE	135-98-8	1.00	ND
1,3-DICHLOROBENZENE	541-73-1	1.00	2.70
4-ISOPROPYLTOLUENE	99-87-6	1.00	ND
1,4-DICHLOROBENZENE	106-46-7	1.00	13.5
N-BUTYLBENZENE	104-51-8	1.00	ND
1,2-DICHLOROBENZENE	95-50-1	1.00	85.0
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	1.00	ND
1,2,4-TRICHLOROBENZENE	120-82-1	2.00	ND
HEXACHLOROBUTADIENE	87-68-3	2.00	ND
NAPHTHALENE	91-20-3	2.00	ND
1,2,3-TRICHLOROBENZENE	87-61-6	2.00	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	106
TOLUENE-D8	102
4-BROMOFLUOROBENZENE	93

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: CH
DATE: 05/14/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: MPW1
LAB NO: 132636
DATE SAMPLED: 05/07/2015
TIME SAMPLED: 16:36
BATCH #: 050815W1
DATE ANALYZED: 05/11/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	10.0	ND
CHLOROMETHANE	74-87-3	10.0	ND
VINYL CHLORIDE	75-01-4	10.0	21.9
BROMOMETHANE	74-83-9	10.0	ND
CHLOROETHANE	75-00-3	10.0	ND
TRICHLOROFLUOROMETHANE	75-69-4	10.0	ND
1,1-DICHLOROETHENE	75-35-4	10.0	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	10.0	ND
METHYLENE CHLORIDE	75-09-2	50.0	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	10.0	98.1
1,1-DICHLOROETHANE	75-34-3	10.0	31.9
CIS-1,2-DICHLOROETHENE	156-59-2	10.0	196
2,2-DICHLOROPROPANE	594-20-7	10.0	ND
BROMOCHLOROMETHANE	74-97-5	10.0	ND
CHLOROFORM	67-66-3	10.0	ND
1,1,1-TRICHLOROETHANE	71-55-6	10.0	ND
CARBON TETRACHLORIDE	56-23-5	10.0	ND
1,1-DICHLOROPROPENE	563-58-6	10.0	ND
BENZENE	71-43-2	10.0	ND
1,2-DICHLOROETHANE	107-06-2	10.0	ND
TRICHLOROETHENE	79-01-6	10.0	1380
1,2-DICHLOROPROPANE	78-87-5	10.0	ND
DIBROMOMETHANE	74-95-3	10.0	ND
BROMODICHLOROMETHANE	75-27-4	10.0	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	10.0	ND
TOLUENE	108-88-3	10.0	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	10.0	ND
1,1,2-TRICHLOROETHANE	79-00-5	10.0	ND
TETRACHLOROETHENE	127-18-4	10.0	14.7
1,3-DICHLOROPROPANE	142-28-9	10.0	ND
DIBROMOCHLOROMETHANE	124-48-1	10.0	ND
1,2-DIBROMOETHANE	106-93-4	10.0	ND
CHLOROBENZENE	108-90-7	10.0	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	10.0	ND
ETHYLBENZENE	100-41-4	10.0	ND
XYLENE (M+P)	1330-20-7	10.0	ND
XYLENE (O)	1330-20-7	10.0	ND
STYRENE	100-42-5	10.0	ND
BROMOFORM	75-25-2	10.0	ND
ISOPROPYLBENZENE	98-82-8	10.0	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	10.0	ND
BROMOBENZENE	108-86-1	10.0	ND
1,2,3-TRICHLOROPROPANE	96-18-4	10.0	ND
N-PROPYLBENZENE	103-65-1	10.0	ND
2-CHLOROTOLUENE	95-49-8	10.0	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: MPW1
LAB NO: 132636
DATE SAMPLED: 05/07/2015
TIME SAMPLED: 16:36
BATCH #: 050815W1
DATE ANALYZED: 05/11/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	10.0	ND
4-CHLOROTOLUENE	106-43-4	10.0	ND
TERT-BUTYLBENZENE	98-06-6	10.0	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	10.0	ND
SEC-BUTYLBENZENE	135-98-8	10.0	ND
1,3-DICHLOROBENZENE	541-73-1	10.0	ND
4-ISOPROPYLTOLUENE	99-87-6	10.0	ND
1,4-DICHLOROBENZENE	106-46-7	10.0	ND
N-BUTYLBENZENE	104-51-8	10.0	ND
1,2-DICHLOROBENZENE	95-50-1	10.0	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	10.0	ND
1,2,4-TRICHLOROBENZENE	120-82-1	20.0	ND
HEXACHLOROBUTADIENE	87-68-3	20.0	ND
NAPHTHALENE	91-20-3	20.0	ND
1,2,3-TRICHLOROBENZENE	87-61-6	20.0	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	104
TOLUENE-D8	102
4-BROMOFLUOROBENZENE	94

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: JCh
DATE: 05/14/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: MPW1-DUP
LAB NO: 132637
DATE SAMPLED: 05/07/2015
TIME SAMPLED: 16:36
K PRIME PROJECT: 9115 **BATCH #:** 050815W1
CLIENT PROJECT: A40028.01 T5 **DATE ANALYZED:** 05/11/2015

METHOD: VOLATILE ORGANIC COMPOUNDS **SAMPLE TYPE:** WATER
REFERENCE: EPA 5030/8260 **UNITS:** ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	10.0	ND
CHLOROMETHANE	74-87-3	10.0	ND
VINYL CHLORIDE	75-01-4	10.0	24.5
BROMOMETHANE	74-83-9	10.0	ND
CHLOROETHANE	75-00-3	10.0	ND
TRICHLOROFLUOROMETHANE	75-69-4	10.0	ND
1,1-DICHLOROETHENE	75-35-4	10.0	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	10.0	ND
METHYLENE CHLORIDE	75-09-2	50.0	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	10.0	99.9
1,1-DICHLOROETHANE	75-34-3	10.0	30.4
CIS-1,2-DICHLOROETHENE	156-59-2	10.0	199
2,2-DICHLOROPROPANE	594-20-7	10.0	ND
BROMOCHLOROMETHANE	74-97-5	10.0	ND
CHLOROFORM	67-66-3	10.0	ND
1,1,1-TRICHLOROETHANE	71-55-6	10.0	ND
CARBON TETRACHLORIDE	56-23-5	10.0	ND
1,1-DICHLOROPROPENE	563-58-6	10.0	ND
BENZENE	71-43-2	10.0	ND
1,2-DICHLOROETHANE	107-06-2	10.0	ND
TRICHLOROETHENE	79-01-6	10.0	1390
1,2-DICHLOROPROPANE	78-87-5	10.0	ND
DIBROMOMETHANE	74-95-3	10.0	ND
BROMODICHLOROMETHANE	75-27-4	10.0	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	10.0	ND
TOLUENE	108-88-3	10.0	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	10.0	ND
1,1,2-TRICHLOROETHANE	79-00-5	10.0	ND
TETRACHLOROETHENE	127-18-4	10.0	15.1
1,3-DICHLOROPROPANE	142-28-9	10.0	ND
DIBROMOCHLOROMETHANE	124-48-1	10.0	ND
1,2-DIBROMOETHANE	106-93-4	10.0	ND
CHLOROBENZENE	108-90-7	10.0	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	10.0	ND
ETHYLBENZENE	100-41-4	10.0	ND
XYLENE (M+P)	1330-20-7	10.0	ND
XYLENE (O)	1330-20-7	10.0	ND
STYRENE	100-42-5	10.0	ND
BROMOFORM	75-25-2	10.0	ND
ISOPROPYLBENZENE	98-82-8	10.0	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	10.0	ND
BROMOBENZENE	108-86-1	10.0	ND
1,2,3-TRICHLOROPROPANE	96-18-4	10.0	ND
N-PROPYLBENZENE	103-65-1	10.0	ND
2-CHLOROTOLUENE	95-49-8	10.0	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: MPW1-DUP
LAB NO: 132637
DATE SAMPLED: 05/07/2015
TIME SAMPLED: 16:36
BATCH #: 050815W1
DATE ANALYZED: 05/11/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	10.0	ND
4-CHLOROTOLUENE	106-43-4	10.0	ND
TERT-BUTYLBENZENE	98-06-6	10.0	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	10.0	ND
SEC-BUTYLBENZENE	135-98-8	10.0	ND
1,3-DICHLOROBENZENE	541-73-1	10.0	ND
4-ISOPROPYLTOLUENE	99-87-6	10.0	ND
1,4-DICHLOROBENZENE	106-46-7	10.0	ND
N-BUTYLBENZENE	104-51-8	10.0	ND
1,2-DICHLOROBENZENE	95-50-1	10.0	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	10.0	ND
1,2,4-TRICHLOROBENZENE	120-82-1	20.0	ND
HEXACHLOROBUTADIENE	87-68-3	20.0	ND
NAPHTHALENE	91-20-3	20.0	ND
1,2,3-TRICHLOROBENZENE	87-61-6	20.0	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	105
TOLUENE-D8	102
4-BROMOFLUOROBENZENE	91

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: CW
DATE: 05/14/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: OSN7-52-56
LAB NO: 132638
DATE SAMPLED: 05/07/2015
TIME SAMPLED: 13:40
BATCH #: 050815W1
DATE ANALYZED: 05/11/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	0.500	ND
CHLOROMETHANE	74-87-3	0.500	ND
VINYL CHLORIDE	75-01-4	0.500	ND
BROMOMETHANE	74-83-9	0.500	ND
CHLOROETHANE	75-00-3	0.500	ND
TRICHLOROFLUOROMETHANE	75-69-4	0.500	ND
1,1-DICHLOROETHENE	75-35-4	0.500	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	0.500	ND
METHYLENE CHLORIDE	75-09-2	2.50	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	0.500	ND
1,1-DICHLOROETHANE	75-34-3	0.500	ND
CIS-1,2-DICHLOROETHENE	156-59-2	0.500	ND
2,2-DICHLOROPROPANE	594-20-7	0.500	ND
BROMOCHLOROMETHANE	74-97-5	0.500	ND
CHLOROFORM	67-66-3	0.500	ND
1,1,1-TRICHLOROETHANE	71-55-6	0.500	ND
CARBON TETRACHLORIDE	56-23-5	0.500	ND
1,1-DICHLOROPROPENE	563-58-6	0.500	ND
BENZENE	71-43-2	0.500	ND
1,2-DICHLOROETHANE	107-06-2	0.500	ND
TRICHLOROETHENE	79-01-6	0.500	ND
1,2-DICHLOROPROPANE	78-87-5	0.500	ND
DIBROMOMETHANE	74-95-3	0.500	ND
BROMODICHLOROMETHANE	75-27-4	0.500	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	0.500	ND
TOLUENE	108-88-3	0.500	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.500	ND
1,1,2-TRICHLOROETHANE	79-00-5	0.500	ND
TETRACHLOROETHENE	127-18-4	0.500	ND
1,3-DICHLOROPROPANE	142-28-9	0.500	ND
DIBROMOCHLOROMETHANE	124-48-1	0.500	ND
1,2-DIBROMOETHANE	106-93-4	0.500	ND
CHLOROBENZENE	108-90-7	0.500	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	0.500	ND
ETHYLBENZENE	100-41-4	0.500	ND
XYLENE (M+P)	1330-20-7	0.500	ND
XYLENE (O)	1330-20-7	0.500	ND
STYRENE	100-42-5	0.500	ND
BROMOFORM	75-25-2	0.500	ND
ISOPROPYLBENZENE	98-82-8	0.500	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.500	ND
BROMOBENZENE	108-86-1	0.500	ND
1,2,3-TRICHLOROPROPANE	96-18-4	0.500	ND
N-PROPYLBENZENE	103-65-1	0.500	ND
2-CHLOROTOLUENE	95-49-8	0.500	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: OSN7-52-56
LAB NO: 132638
DATE SAMPLED: 05/07/2015
TIME SAMPLED: 13:40
BATCH #: 050815W1
DATE ANALYZED: 05/11/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	0.500	ND
4-CHLOROTOLUENE	106-43-4	0.500	ND
TERT-BUTYLBENZENE	98-06-6	0.500	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	0.500	ND
SEC-BUTYLBENZENE	135-98-8	0.500	ND
1,3-DICHLOROBENZENE	541-73-1	0.500	ND
4-ISOPROPYLTOLUENE	99-87-6	0.500	ND
1,4-DICHLOROBENZENE	106-46-7	0.500	ND
N-BUTYLBENZENE	104-51-8	0.500	ND
1,2-DICHLOROBENZENE	95-50-1	0.500	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.500	ND
1,2,4-TRICHLOROBENZENE	120-82-1	1.00	ND
HEXACHLOROBUTADIENE	87-68-3	1.00	ND
NAPHTHALENE	91-20-3	1.00	ND
1,2,3-TRICHLOROBENZENE	87-61-6	1.00	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	104
TOLUENE-D8	102
4-BROMOFLUOROBENZENE	93

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: CW
DATE: 05/14/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: OSN7-29-34
LAB NO: 132639
DATE SAMPLED: 05/07/2015
TIME SAMPLED: 14:22
BATCH #: 050815W1
DATE ANALYZED: 05/11/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	0.500	ND
CHLOROMETHANE	74-87-3	0.500	ND
VINYL CHLORIDE	75-01-4	0.500	ND
BROMOMETHANE	74-83-9	0.500	ND
CHLOROETHANE	75-00-3	0.500	ND
TRICHLOROFLUOROMETHANE	75-69-4	0.500	ND
1,1-DICHLOROETHENE	75-35-4	0.500	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	0.500	ND
METHYLENE CHLORIDE	75-09-2	2.50	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	0.500	ND
1,1-DICHLOROETHANE	75-34-3	0.500	ND
CIS-1,2-DICHLOROETHENE	156-59-2	0.500	ND
2,2-DICHLOROPROPANE	594-20-7	0.500	ND
BROMOCHLOROMETHANE	74-97-5	0.500	ND
CHLOROFORM	67-66-3	0.500	ND
1,1,1-TRICHLOROETHANE	71-55-6	0.500	ND
CARBON TETRACHLORIDE	56-23-5	0.500	ND
1,1-DICHLOROPROPENE	563-58-6	0.500	ND
BENZENE	71-43-2	0.500	ND
1,2-DICHLOROETHANE	107-06-2	0.500	ND
TRICHLOROETHENE	79-01-6	0.500	ND
1,2-DICHLOROPROPANE	78-87-5	0.500	ND
DIBROMOMETHANE	74-95-3	0.500	ND
BROMODICHLOROMETHANE	75-27-4	0.500	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	0.500	ND
TOLUENE	108-88-3	0.500	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.500	ND
1,1,2-TRICHLOROETHANE	79-00-5	0.500	ND
TETRACHLOROETHENE	127-18-4	0.500	ND
1,3-DICHLOROPROPANE	142-28-9	0.500	ND
DIBROMOCHLOROMETHANE	124-48-1	0.500	ND
1,2-DIBROMOETHANE	106-93-4	0.500	ND
CHLOROBENZENE	108-90-7	0.500	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	0.500	ND
ETHYLBENZENE	100-41-4	0.500	ND
XYLENE (M+P)	1330-20-7	0.500	ND
XYLENE (O)	1330-20-7	0.500	ND
STYRENE	100-42-5	0.500	ND
BROMOFORM	75-25-2	0.500	ND
ISOPROPYLBENZENE	98-82-8	0.500	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.500	ND
BROMOBENZENE	108-86-1	0.500	ND
1,2,3-TRICHLOROPROPANE	96-18-4	0.500	ND
N-PROPYLBENZENE	103-65-1	0.500	ND
2-CHLOROTOLUENE	95-49-8	0.500	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: OSN7-29-34
LAB NO: 132639
DATE SAMPLED: 05/07/2015
TIME SAMPLED: 14:22
BATCH #: 050815W1
DATE ANALYZED: 05/11/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	0.500	ND
4-CHLOROTOLUENE	106-43-4	0.500	ND
TERT-BUTYLBENZENE	98-06-6	0.500	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	0.500	ND
SEC-BUTYLBENZENE	135-98-8	0.500	ND
1,3-DICHLOROBENZENE	541-73-1	0.500	ND
4-ISOPROPYLTOLUENE	99-87-6	0.500	ND
1,4-DICHLOROBENZENE	106-46-7	0.500	ND
N-BUTYLBENZENE	104-51-8	0.500	ND
1,2-DICHLOROBENZENE	95-50-1	0.500	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.500	ND
1,2,4-TRICHLOROBENZENE	120-82-1	1.00	ND
HEXACHLOROBUTADIENE	87-68-3	1.00	ND
NAPHTHALENE	91-20-3	1.00	ND
1,2,3-TRICHLOROBENZENE	87-61-6	1.00	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	105
TOLUENE-D8	101
4-BROMOFLUOROBENZENE	92

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: CW
DATE: 05/14/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: OSN8-52-56
LAB NO: 132640
DATE SAMPLED: 05/07/2015
TIME SAMPLED: 15:42
BATCH #: 050815W1
DATE ANALYZED: 05/11/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	0.500	ND
CHLOROMETHANE	74-87-3	0.500	ND
VINYL CHLORIDE	75-01-4	0.500	ND
BROMOMETHANE	74-83-9	0.500	ND
CHLOROETHANE	75-00-3	0.500	ND
TRICHLOROFLUOROMETHANE	75-69-4	0.500	ND
1,1-DICHLOROETHENE	75-35-4	0.500	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	0.500	ND
METHYLENE CHLORIDE	75-09-2	2.50	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	0.500	ND
1,1-DICHLOROETHANE	75-34-3	0.500	ND
CIS-1,2-DICHLOROETHENE	156-59-2	0.500	ND
2,2-DICHLOROPROPANE	594-20-7	0.500	ND
BROMOCHLOROMETHANE	74-97-5	0.500	ND
CHLOROFORM	67-66-3	0.500	ND
1,1,1-TRICHLOROETHANE	71-55-6	0.500	ND
CARBON TETRACHLORIDE	56-23-5	0.500	ND
1,1-DICHLOROPROPENE	563-58-6	0.500	ND
BENZENE	71-43-2	0.500	ND
1,2-DICHLOROETHANE	107-06-2	0.500	ND
TRICHLOROETHENE	79-01-6	0.500	ND
1,2-DICHLOROPROPANE	78-87-5	0.500	ND
DIBROMOMETHANE	74-95-3	0.500	ND
BROMODICHLOROMETHANE	75-27-4	0.500	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	0.500	ND
TOLUENE	108-88-3	0.500	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.500	ND
1,1,2-TRICHLOROETHANE	79-00-5	0.500	ND
TETRACHLOROETHENE	127-18-4	0.500	ND
1,3-DICHLOROPROPANE	142-28-9	0.500	ND
DIBROMOCHLOROMETHANE	124-48-1	0.500	ND
1,2-DIBROMOETHANE	106-93-4	0.500	ND
CHLOROBENZENE	108-90-7	0.500	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	0.500	ND
ETHYLBENZENE	100-41-4	0.500	ND
XYLENE (M+P)	1330-20-7	0.500	ND
XYLENE (O)	1330-20-7	0.500	ND
STYRENE	100-42-5	0.500	ND
BROMOFORM	75-25-2	0.500	ND
ISOPROPYLBENZENE	98-82-8	0.500	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.500	ND
BROMOBENZENE	108-86-1	0.500	ND
1,2,3-TRICHLOROPROPANE	96-18-4	0.500	ND
N-PROPYLBENZENE	103-65-1	0.500	ND
2-CHLOROTOLUENE	95-49-8	0.500	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: OSN8-52-56
LAB NO: 132640
DATE SAMPLED: 05/07/2015
TIME SAMPLED: 15:42
BATCH #: 050815W1
DATE ANALYZED: 05/11/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	0.500	ND
4-CHLOROTOLUENE	106-43-4	0.500	ND
TERT-BUTYLBENZENE	98-06-6	0.500	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	0.500	ND
SEC-BUTYLBENZENE	135-98-8	0.500	ND
1,3-DICHLOROBENZENE	541-73-1	0.500	ND
4-ISOPROPYLTOLUENE	99-87-6	0.500	ND
1,4-DICHLOROBENZENE	106-46-7	0.500	ND
N-BUTYLBENZENE	104-51-8	0.500	ND
1,2-DICHLOROBENZENE	95-50-1	0.500	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.500	ND
1,2,4-TRICHLOROBENZENE	120-82-1	1.00	ND
HEXACHLOROBUTADIENE	87-68-3	1.00	ND
NAPHTHALENE	91-20-3	1.00	ND
1,2,3-TRICHLOROBENZENE	87-61-6	1.00	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	106
TOLUENE-D8	101
4-BROMOFLUOROBENZENE	93

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: CN
DATE: 05/14/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: OSN8-30-34
LAB NO: 132641
DATE SAMPLED: 05/07/2015
TIME SAMPLED: 16:16
BATCH #: 050815W1
DATE ANALYZED: 05/11/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	0.500	ND
CHLOROMETHANE	74-87-3	0.500	ND
VINYL CHLORIDE	75-01-4	0.500	ND
BROMOMETHANE	74-83-9	0.500	ND
CHLOROETHANE	75-00-3	0.500	ND
TRICHLOROFLUOROMETHANE	75-69-4	0.500	ND
1,1-DICHLOROETHENE	75-35-4	0.500	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	0.500	ND
METHYLENE CHLORIDE	75-09-2	2.50	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	0.500	ND
1,1-DICHLOROETHANE	75-34-3	0.500	ND
CIS-1,2-DICHLOROETHENE	156-59-2	0.500	ND
2,2-DICHLOROPROPANE	594-20-7	0.500	ND
BROMOCHLOROMETHANE	74-97-5	0.500	ND
CHLOROFORM	67-66-3	0.500	ND
1,1,1-TRICHLOROETHANE	71-55-6	0.500	ND
CARBON TETRACHLORIDE	56-23-5	0.500	ND
1,1-DICHLOROPROPENE	563-58-6	0.500	ND
BENZENE	71-43-2	0.500	ND
1,2-DICHLOROETHANE	107-06-2	0.500	ND
TRICHLOROETHENE	79-01-6	0.500	0.800
1,2-DICHLOROPROPANE	78-87-5	0.500	ND
DIBROMOMETHANE	74-95-3	0.500	ND
BROMODICHLOROMETHANE	75-27-4	0.500	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	0.500	ND
TOLUENE	108-88-3	0.500	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.500	ND
1,1,2-TRICHLOROETHANE	79-00-5	0.500	ND
TETRACHLOROETHENE	127-18-4	0.500	ND
1,3-DICHLOROPROPANE	142-28-9	0.500	ND
DIBROMOCHLOROMETHANE	124-48-1	0.500	ND
1,2-DIBROMOETHANE	106-93-4	0.500	ND
CHLOROBENZENE	108-90-7	0.500	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	0.500	ND
ETHYLBENZENE	100-41-4	0.500	ND
XYLENE (M+P)	1330-20-7	0.500	ND
XYLENE (O)	1330-20-7	0.500	ND
STYRENE	100-42-5	0.500	ND
BROMOFORM	75-25-2	0.500	ND
ISOPROPYLBENZENE	98-82-8	0.500	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.500	ND
BROMOBENZENE	108-86-1	0.500	ND
1,2,3-TRICHLOROPROPANE	96-18-4	0.500	ND
N-PROPYLBENZENE	103-65-1	0.500	ND
2-CHLOROTOLUENE	95-49-8	0.500	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: OSN8-30-34
LAB NO: 132641
DATE SAMPLED: 05/07/2015
TIME SAMPLED: 16:16
BATCH #: 050815W1
DATE ANALYZED: 05/11/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	0.500	ND
4-CHLOROTOLUENE	106-43-4	0.500	ND
TERT-BUTYLBENZENE	98-06-6	0.500	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	0.500	ND
SEC-BUTYLBENZENE	135-98-8	0.500	ND
1,3-DICHLOROBENZENE	541-73-1	0.500	ND
4-ISOPROPYLTOLUENE	99-87-6	0.500	ND
1,4-DICHLOROBENZENE	106-46-7	0.500	ND
N-BUTYLBENZENE	104-51-8	0.500	ND
1,2-DICHLOROBENZENE	95-50-1	0.500	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.500	ND
1,2,4-TRICHLOROBENZENE	120-82-1	1.00	ND
HEXACHLOROBUTADIENE	87-68-3	1.00	ND
NAPHTHALENE	91-20-3	1.00	ND
1,2,3-TRICHLOROBENZENE	87-61-6	1.00	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	104
TOLUENE-D8	101
4-BROMOFLUOROBENZENE	94

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: CW
DATE: 05/14/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: OSN7-14-19
LAB NO: 132642
DATE SAMPLED: 05/07/2015
TIME SAMPLED: 17:15
BATCH #: 050815W1
DATE ANALYZED: 05/11/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	2.50	ND
CHLOROMETHANE	74-87-3	2.50	ND
VINYL CHLORIDE	75-01-4	2.50	19.4
BROMOMETHANE	74-83-9	2.50	ND
CHLOROETHANE	75-00-3	2.50	ND
TRICHLOROFLUOROMETHANE	75-69-4	2.50	ND
1,1-DICHLOROETHENE	75-35-4	2.50	2.81
TRICHLOROTRIFLUOROETHANE	76-13-1	2.50	ND
METHYLENE CHLORIDE	75-09-2	12.5	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	2.50	64.5
1,1-DICHLOROETHANE	75-34-3	2.50	70.6
CIS-1,2-DICHLOROETHENE	156-59-2	2.50	102
2,2-DICHLOROPROPANE	594-20-7	2.50	ND
BROMOCHLOROMETHANE	74-97-5	2.50	ND
CHLOROFORM	67-66-3	2.50	ND
1,1,1-TRICHLOROETHANE	71-55-6	2.50	ND
CARBON TETRACHLORIDE	56-23-5	2.50	ND
1,1-DICHLOROPROPENE	563-58-6	2.50	ND
BENZENE	71-43-2	2.50	ND
1,2-DICHLOROETHANE	107-06-2	2.50	ND
TRICHLOROETHENE	79-01-6	2.50	300
1,2-DICHLOROPROPANE	78-87-5	2.50	ND
DIBROMOMETHANE	74-95-3	2.50	ND
BROMODICHLOROMETHANE	75-27-4	2.50	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	2.50	ND
TOLUENE	108-88-3	2.50	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	2.50	ND
1,1,2-TRICHLOROETHANE	79-00-5	2.50	ND
TETRACHLOROETHENE	127-18-4	2.50	ND
1,3-DICHLOROPROPANE	142-28-9	2.50	ND
DIBROMOCHLOROMETHANE	124-48-1	2.50	ND
1,2-DIBROMOETHANE	106-93-4	2.50	ND
CHLOROBENZENE	108-90-7	2.50	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	2.50	ND
ETHYLBENZENE	100-41-4	2.50	ND
XYLENE (M+P)	1330-20-7	2.50	ND
XYLENE (O)	1330-20-7	2.50	ND
STYRENE	100-42-5	2.50	ND
BROMOFORM	75-25-2	2.50	ND
ISOPROPYLBENZENE	98-82-8	2.50	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	2.50	ND
BROMOBENZENE	108-86-1	2.50	ND
1,2,3-TRICHLOROPROPANE	96-18-4	2.50	ND
N-PROPYLBENZENE	103-65-1	2.50	ND
2-CHLOROTOLUENE	95-49-8	2.50	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: OSN7-14-19
LAB NO: 132642
DATE SAMPLED: 05/07/2015
TIME SAMPLED: 17:15
BATCH #: 050815W1
DATE ANALYZED: 05/11/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	2.50	ND
4-CHLOROTOLUENE	106-43-4	2.50	ND
TERT-BUTYLBENZENE	98-06-6	2.50	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	2.50	ND
SEC-BUTYLBENZENE	135-98-8	2.50	ND
1,3-DICHLOROBENZENE	541-73-1	2.50	ND
4-ISOPROPYLTOLUENE	99-87-6	2.50	ND
1,4-DICHLOROBENZENE	106-46-7	2.50	ND
N-BUTYLBENZENE	104-51-8	2.50	ND
1,2-DICHLOROBENZENE	95-50-1	2.50	3.09
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	2.50	ND
1,2,4-TRICHLOROBENZENE	120-82-1	5.00	ND
HEXACHLOROBUTADIENE	87-68-3	5.00	ND
NAPHTHALENE	91-20-3	5.00	ND
1,2,3-TRICHLOROBENZENE	87-61-6	5.00	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	102
TOLUENE-D8	102
4-BROMOFLUOROBENZENE	92

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: CW
DATE: 05/14/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: H-I-22-26
LAB NO: 132643
DATE SAMPLED: 05/06/2015
TIME SAMPLED: 13:40
BATCH #: 050815W1
DATE ANALYZED: 05/11/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	0.500	ND
CHLOROMETHANE	74-87-3	0.500	ND
VINYL CHLORIDE	75-01-4	0.500	ND
BROMOMETHANE	74-83-9	0.500	ND
CHLOROETHANE	75-00-3	0.500	ND
TRICHLOROFLUOROMETHANE	75-69-4	0.500	ND
1,1-DICHLOROETHENE	75-35-4	0.500	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	0.500	ND
METHYLENE CHLORIDE	75-09-2	2.50	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	0.500	0.520
1,1-DICHLOROETHANE	75-34-3	0.500	ND
CIS-1,2-DICHLOROETHENE	156-59-2	0.500	2.84
2,2-DICHLOROPROPANE	594-20-7	0.500	ND
BROMOCHLOROMETHANE	74-97-5	0.500	ND
CHLOROFORM	67-66-3	0.500	ND
1,1,1-TRICHLOROETHANE	71-55-6	0.500	ND
CARBON TETRACHLORIDE	56-23-5	0.500	ND
1,1-DICHLOROPROPENE	563-58-6	0.500	ND
BENZENE	71-43-2	0.500	ND
1,2-DICHLOROETHANE	107-06-2	0.500	3.83
TRICHLOROETHENE	79-01-6	0.500	1.29
1,2-DICHLOROPROPANE	78-87-5	0.500	ND
DIBROMOMETHANE	74-95-3	0.500	ND
BROMODICHLOROMETHANE	75-27-4	0.500	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	0.500	ND
TOLUENE	108-88-3	0.500	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.500	ND
1,1,2-TRICHLOROETHANE	79-00-5	0.500	ND
TETRACHLOROETHENE	127-18-4	0.500	ND
1,3-DICHLOROPROPANE	142-28-9	0.500	ND
DIBROMOCHLOROMETHANE	124-48-1	0.500	ND
1,2-DIBROMOETHANE	106-93-4	0.500	ND
CHLOROBENZENE	108-90-7	0.500	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	0.500	ND
ETHYLBENZENE	100-41-4	0.500	ND
XYLENE (M+P)	1330-20-7	0.500	ND
XYLENE (O)	1330-20-7	0.500	ND
STYRENE	100-42-5	0.500	ND
BROMOFORM	75-25-2	0.500	ND
ISOPROPYLBENZENE	98-82-8	0.500	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.500	ND
BROMOBENZENE	108-86-1	0.500	ND
1,2,3-TRICHLOROPROPANE	96-18-4	0.500	ND
N-PROPYLBENZENE	103-65-1	0.500	ND
2-CHLOROTOLUENE	95-49-8	0.500	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: H-I-22-26
LAB NO: 132643
DATE SAMPLED: 05/06/2015
TIME SAMPLED: 13:40
BATCH #: 050815W1
DATE ANALYZED: 05/11/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE TYPE: WATER
UNITS: ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	0.500	ND
4-CHLOROTOLUENE	106-43-4	0.500	ND
TERT-BUTYLBENZENE	98-06-6	0.500	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	0.500	ND
SEC-BUTYLBENZENE	135-98-8	0.500	ND
1,3-DICHLOROBENZENE	541-73-1	0.500	ND
4-ISOPROPYLTOLUENE	99-87-6	0.500	ND
1,4-DICHLOROBENZENE	106-46-7	0.500	ND
N-BUTYLBENZENE	104-51-8	0.500	ND
1,2-DICHLOROBENZENE	95-50-1	0.500	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.500	ND
1,2,4-TRICHLOROBENZENE	120-82-1	1.00	ND
HEXACHLOROBUTADIENE	87-68-3	1.00	ND
NAPHTHALENE	91-20-3	1.00	ND
1,2,3-TRICHLOROBENZENE	87-61-6	1.00	ND
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	0.500	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	108
TOLUENE-D8	101
4-BROMOFLUOROBENZENE	93

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: CW
DATE: 05/14/2015

K PRIME, INC.

LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

METHOD: DRO
REFERENCE: EPA 8015B

SAMPLE TYPE: WATER
UNITS: mg/L

SAMPLE ID	LAB NO.	DATE SAMPLED	BATCH ID	EXTRACT DATE	DATE ANALYZED	MRL	SAMPLE CONC	DRO PATTERN
H-I-22-26	132643	05/06/2015	050415W1	05/11/2015	05/11/2015	0.161	ND	

NOTES:

DRO	Diesel Range Organics (C12-C34) with Silica Gel Cleanup
ND	Not Detected at or above the stated MRL
NA	Not Applicable or Available
MRL	Method Reporting Limit
AD	Typical pattern for diesel
AM	Hydrocarbon response is in the C12-C22 range
AC	Heavier hydrocarbons contributing to diesel range quantitation
AJ	Heavier hydrocarbon than diesel
AK	Lighter hydrocarbon than diesel
AE	Unknown hydrocarbon with a single peak
AN	Unknown hydrocarbon with several peaks

APPROVED BY: CW
DATE: 05/14/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: A40028.01 T5

SAMPLE ID: H-I-22-26
LAB NO: 132643
DATE SAMPLED: 05/06/2015
TIME SAMPLED: 13:40
BATCH ID: 051215DM1

METHOD: DISSOLVED METALS BY ICP/MS
REFERENCE: EPA 200.8

SAMPLE TYPE: WATER
UNITS: ug/L

ELEMENT NAME		DATE ANALYZED	REPORTING LIMIT	SAMPLE CONC
ANTIMONY	Sb	05/13/2015	1.00	ND
ARSENIC	As	05/13/2015	1.00	ND
BARIUM	Ba	05/13/2015	1.00	181
BERYLLIUM	Be	05/13/2015	1.00	ND
CADMIUM	Cd	05/13/2015	1.00	ND
CHROMIUM	Cr	05/13/2015	1.00	ND
COBALT	Co	05/13/2015	1.00	3.00
COPPER	Cu	05/13/2015	1.00	1.19
LEAD	Pb	05/13/2015	1.00	ND
MERCURY	Hg	05/13/2015	0.200	ND
MOLYBDENUM	Mo	05/13/2015	1.00	56.4
NICKEL	Ni	05/13/2015	1.00	1.57
SELENIUM	Se	05/13/2015	1.00	ND
SILVER	Ag	05/13/2015	1.00	ND
THALLIUM	Tl	05/13/2015	1.00	ND
VANADIUM	V	05/13/2015	1.00	ND
ZINC	Zn	05/13/2015	1.00	6.44

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: CW
DATE: 05/14/2015

K PRIME, INC.
LABORATORY QUALITY CONTROL REPORT

METHOD BLANK ID: B042715W1
SAMPLE TYPE: WATER

METHOD: GRO-GASOLINE RANGE ORGANICS
REFERENCE: EPA 8015B

BATCH #: 042715W1
DATE EXTRACTED: 04/27/2015
DATE ANALYZED: 04/27/2015

UNITS: mg/L

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
TPH-G	0.050	ND

SAMPLE ID: L042715W1
DUPLICATE ID: D042715W1
BATCH #: 042715W1
SAMPLE TYPE: WATER
UNITS: mg/L

DATE EXTRACTED: 04/27/2015
DATE ANALYZED: 04/27/2015

ACCURACY (MATRIX SPIKE)

PARAMETER	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
TPH-G	0.500	ND	0.485	97	60-140

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
TPH-G	0.050	0.485	0.462	4.9	±20

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT APPLICABLE

K PRIME, INC.

LABORATORY METHOD BLANK REPORT **METHOD BLANK ID:** B050815W1

BATCH #: 050815W1
DATE ANALYZED: 05/08/2015

METHOD: VOLATILE ORGANIC COMPOUNDS **SAMPLE TYPE:** WATER
REFERENCE: EPA 5030/8260 **UNITS:** ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	0.500	ND
CHLOROMETHANE	74-87-3	0.500	ND
VINYL CHLORIDE	75-01-4	0.500	ND
BROMOMETHANE	74-83-9	0.500	ND
CHLOROETHANE	75-00-3	0.500	ND
TRICHLOROFLUOROMETHANE	75-69-4	0.500	ND
1,1-DICHLOROETHENE	75-35-4	0.500	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	0.500	ND
METHYLENE CHLORIDE	75-09-2	2.50	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	0.500	ND
1,1-DICHLOROETHANE	75-34-3	0.500	ND
CIS-1,2-DICHLOROETHENE	156-59-2	0.500	ND
2,2-DICHLOROPROPANE	594-20-7	0.500	ND
BROMOCHLOROMETHANE	74-97-5	0.500	ND
CHLOROFORM	67-66-3	0.500	ND
1,1,1-TRICHLOROETHANE	71-55-6	0.500	ND
CARBON TETRACHLORIDE	56-23-5	0.500	ND
1,1-DICHLOROPROPENE	563-58-6	0.500	ND
BENZENE	71-43-2	0.500	ND
1,2-DICHLOROETHANE	107-06-2	0.500	ND
TRICHLOROETHENE	79-01-6	0.500	ND
1,2-DICHLOROPROPANE	78-87-5	0.500	ND
DIBROMOMETHANE	74-95-3	0.500	ND
BROMODICHLOROMETHANE	75-27-4	0.500	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	0.500	ND
TOLUENE	108-88-3	0.500	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.500	ND
1,1,2-TRICHLOROETHANE	79-00-5	0.500	ND
TETRACHLOROETHENE	127-18-4	0.500	ND
1,3-DICHLOROPROPANE	142-28-9	0.500	ND
DIBROMOCHLOROMETHANE	124-48-1	0.500	ND
1,2-DIBROMOETHANE	106-93-4	0.500	ND
CHLOROBENZENE	108-90-7	0.500	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	0.500	ND
ETHYLBENZENE	100-41-4	0.500	ND
XYLENE (M+P)	1330-20-7	0.500	ND
XYLENE (O)	1330-20-7	0.500	ND
STYRENE	100-42-5	0.500	ND
BROMOFORM	75-25-2	0.500	ND
ISOPROPYLBENZENE	98-82-8	0.500	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.500	ND
BROMOBENZENE	108-86-1	0.500	ND
1,2,3-TRICHLOROPROPANE	96-18-4	0.500	ND
N-PROPYLBENZENE	103-65-1	0.500	ND
2-CHLOROTOLUENE	95-49-8	0.500	ND

K PRIME, INC.

LABORATORY METHOD BLANK REPORT **METHOD BLANK ID:** B050815W1

BATCH #: 050815W1
DATE ANALYZED: 05/08/2015

METHOD: VOLATILE ORGANIC COMPOUNDS **SAMPLE TYPE:** WATER
REFERENCE: EPA 5030/8260 **UNITS:** ug/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	0.500	ND
4-CHLOROTOLUENE	106-43-4	0.500	ND
TERT-BUTYLBENZENE	98-06-6	0.500	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	0.500	ND
SEC-BUTYLBENZENE	135-98-8	0.500	ND
1,3-DICHLOROBENZENE	541-73-1	0.500	ND
4-ISOPROPYLTOLUENE	99-87-6	0.500	ND
1,4-DICHLOROBENZENE	106-46-7	0.500	ND
N-BUTYLBENZENE	104-51-8	0.500	ND
1,2-DICHLOROBENZENE	95-50-1	0.500	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.500	ND
1,2,4-TRICHLOROBENZENE	120-82-1	1.00	ND
HEXACHLOROBUTADIENE	87-68-3	1.00	ND
NAPHTHALENE	91-20-3	1.00	ND
1,2,3-TRICHLOROBENZENE	87-61-6	1.00	ND
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	0.500	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	100
TOLUENE-D8	100
4-BROMOFLUOROBENZENE	90

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

K PRIME, INC.

LABORATORY QC REPORT

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5030/8260

SAMPLE ID: B050815W1
SPIKE ID: L050815W1
DUPLICATE ID: D050815W1
BATCH #: 050815W1
SAMPLE TYPE: WATER
UNITS: µg/L

ACCURACY (MATRIX SPIKE)

PARAMETER	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
1,1 DICHLOROETHENE	10.0	ND	11.6	116	60-140
BENZENE	10.0	ND	12.0	120	60-140
TRICHLOROETHENE	10.0	ND	12.1	121	60-140
TOLUENE	10.0	ND	11.8	118	60-140
CHLOROBENZENE	10.0	ND	11.3	113	60-140

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
1,1 DICHLOROETHENE	0.500	11.6	10.8	7.7	±20
BENZENE	0.500	12.0	11.5	3.7	±20
TRICHLOROETHENE	0.500	12.1	11.5	4.7	±20
TOLUENE	0.500	11.8	11.7	0.9	±20
CHLOROBENZENE	0.500	11.3	11.2	1.0	±20

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

K PRIME, INC.
LABORATORY QUALITY CONTROL REPORT

BATCH ID: 050415W1
DATE EXTRACTED: 5/4/2015
DATE ANALYZED: 5/4/2015

METHOD: DRO
REFERENCE: EPA 8015B

SAMPLE TYPE: WATER
UNITS: mg/L

METHOD BLANK ID: B050415W1

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
DRO	0.050	ND

SAMPLE ID: L050415W1
DUPLICATE ID: D050415W1

ACCURACY (MATRIX SPIKE)

PARAMETER	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
DRO	2.50	ND	1.92	77	60-140

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
DRO	0.050	1.92	1.79	7.2	±20

NOTES:
DRO - DIESEL RANGE ORGANICS (C12-C34)
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

K PRIME, INC.

LABORATORY BATCH QC REPORT

SAMPLE ID: L051215DM1
DUPLICATE ID: D051215DM1
METHOD BLANK ID: B051215DM1
BATCH #: 051215DM1
DATE ANALYZED: 05/12/2015

METHOD: DISSOLVED METALS BY ICP/MS
REFERENCE: EPA 200.8

SAMPLE TYPE: WATER
UNITS: ug/L

ELEMENT		MB ug/L	SA ug/L	SR ug/L	SP ug/L	SPD ug/L	SP %R	RPD %
ANTIMONY	Sb	<1.00	50.0	0.0	49.2	49.2	98	0.1
ARSENIC	As	<1.00	50.0	0.0	49.3	48.9	99	0.8
BARIUM	Ba	<1.00	50.0	0.0	50.1	49.5	100	1.1
BERYLLIUM	Be	<1.00	50.0	0.0	50.0	49.1	100	1.8
CADMIUM	Cd	<1.00	50.0	0.0	49.2	49.1	98	0.3
CHROMIUM	Cr	<1.00	50.0	0.0	49.5	49.2	99	0.7
COBALT	Co	<1.00	50.0	0.0	49.4	48.4	99	2.0
COPPER	Cu	<1.00	50.0	0.0	49.9	49.1	100	1.6
LEAD	Pb	<1.00	50.0	0.0	49.6	48.6	99	2.0
MERCURY	Hg	<0.200	1.00	0.0	1.02	1.01	102	0.8
MOLYBDENUM	Mo	<1.00	50.0	0.0	49.7	49.6	99	0.3
NICKEL	Ni	<1.00	50.0	0.0	49.6	49.2	99	0.8
SELENIUM	Se	<1.00	50.0	0.0	48.8	49.1	98	0.7
SILVER	Ag	<1.00	25.0	0.0	24.8	24.7	99	0.4
THALLIUM	Tl	<1.00	50.0	0.0	52.7	51.9	105	1.6
VANADIUM	V	<1.00	50.0	0.0	49.5	49.1	99	0.8
ZINC	Zn	<1.00	50.0	0.0	48.7	47.6	97	2.3

NOTES:
ND: NOT DETECTED
MB: METHOD BLANK
SA: SPIKE ADDED
SR: SAMPLE RESULT
SP: SPIKE RESULT
SPD: SPIKE DUPLICATE RESULT
SP(%R): SPIKE % RECOVERY
RPD: RELATIVE PERCENT DIFFERENCE

9115

Erler & Kalinowski, Inc.
CONSULTING ENGINEERS AND SCIENTISTS

CHAIN OF CUSTODY RECORD

1870 Ogden Drive, Burlingame CA 94010 PHONE: 650-292-9100 FAX: 650-552-9012

Project Name: Site B - Offsite	**Project No.**: A40028.01 T5	EKI COC No.: (YYYYMMDD-#)
Location: Emeryville, CA	**Sampled By**: J. Daugherty, W. Hassett, ~~B. Castle, J. Shaw~~, L. Hansen, R. Ford	Revision: _____ (A, B, C, D, etc.) Date: By:
Reporting: Electronic Format: EDF Hard Copy Format: PDF EPA Data Report Level: II	**Laboratory**: K Prime, Inc. 3621 Westwind Blvd Santa Rosa, CA 95403 (707) 527-7574	

Please report results to the following:
(1) **EKI**: labs@ekiconsult.com
(2) **Joy Su**: jsu@ekiconsult.com
(3) **Jessica Daugherty**: jdaugherty@ekiconsult.com
(4) **Will Hassett**: whassett@ekiconsult.com

ANALYSES REQUESTED

Field Sample Identification	Lab Sample No.	Date	Time	Matrix	Number / Type of Container (Preservative)	Method No. EPA 8260B	Analyte Group VOCs	Field Filtered with 0.45-micron filter	PLACE ON HOLD	EXPECTED TURNAROUND TIME	Remarks
H-I-42-46	132629	5-6-15	850	Water	3 - VOAs (HCl)	X				STD	
H-I-42-46-DUP	132630		850		3 - VOAs (HCl)	X					
H-I-29-33	132631		1000		3 - VOAs (HCl)	X					
H-H-42-46	132632		932		3 - VOAs (HCl)	X					
G1-58-62	132633		1120		3 - VOAs (HCl)	X					
MPW3	132634	5-7-15	1516		3 - VOAs (HCl)	X					
MPW 2	132635		1115		3 - VOAs (HCl)	X					
MPW 1	132636		1636		3 - VOAs (HCl)	X					
MPW 1-DUP	132637		1636		3 - VOAs (HCl)	X					
OSN 7-52-56	132638		1340		3 - VOAs (HCl)	X					

Special Instructions: Temperature blank included

Relinquished by:	(Signature/Affiliation) EKI	Date 5/7/15	Time 1729	Received by:	(Signature/Affiliation or Carrier/Air Bill No.) 5/7/15 829
Relinquished by:	(Signature/Affiliation)	Date 7-MAY-2015	Time 1932	Received by:	(Signature/Affiliation)
Relinquished by:	(Signature/Affiliation)	Date	Time	Received by:	(Signature/Affiliation)

9115

Erler & Kalinowski, Inc.
CONSULTING ENGINEERS AND SCIENTISTS

CHAIN OF CUSTODY RECORD

1870 Ogden Drive, Burlingame CA 94010 PHONE: 650-292-9100 FAX: 650-552-9012

Project Name: Site B - Offsite

Project No.: A40028.01 T5

Location: Emeryville, CA

Sampled By: L. Hansen J. Daugherty, W. Hassett, ~~B. Castle, J. Shaw~~, R. Ford

Reporting:
Electronic Format: EDF Hard Copy Format: PDF
EPA Data Report Level: II

Please report results to the following:
(1) **EKI**: labs@ekiconsult.com
(2) **Joy Su**: jsu@ekiconsult.com
(3) **Jessica Daugherty**: jdaugherty@ekiconsult.com
(4) **Will Hassett**: whassett@ekiconsult.com

Laboratory:
K Prime, Inc.
3621 Westwind Blvd
Santa Rosa, CA 95403
(707) 527-7574

EKI COC No.: (YYYYMMDD-#)

Revision: _____ (A, B, C, D, etc.)
Date: By:

Grab Groundwater

Field Sample Identification	Lab Sample No.	Date	Time	Matrix	Number / Type of Container (Preservative)	Method No. / Analyte Group: EPA 8260B VOCs	Field Filtered with 0.45-micron filter	PLACE ON HOLD	EXPECTED TURNAROUND TIME	Remarks
OSN7-29-34	132639	5/7/2015	1422	Water	3 - VOAs (HCl)	X			STD	
OSN8-52-56	132640	"	1542	"	3 - VOAs (HCl)	X			"	
OSN8-30-34	132641	"	1616	"	3 - VOAs (HCl)	X			"	
OSN7-14-19	132642	"	1715	"	3 - VOAs (HCl)	X			"	
					3 - VOAs (HCl)					
					3 - VOAs (HCl)					
					3 - VOAs (HCl)					
					3 - VOAs (HCl)					
					3 - VOAs (HCl)					
					3 - VOAs (HCl)					

Special Instructions: Temperature blank included

Relinquished by:	(Signature/Affiliation) EKI	Date 5/7/15	Time 1729	**Received by:**	(Signature/Affiliation or Carrier/Air Bill No.) (VTC) 5/7/15 5:29
Relinquished by:	(Signature/Affiliation) (VTC)	Date 7-MAY-2015	Time 1932	**Received by:**	(Signature/Affiliation) KRD
Relinquished by:	(Signature/Affiliation)	Date	Time	**Received by:**	(Signature/Affiliation)

Erler & Kalinowski, Inc.
CONSULTING ENGINEERS AND SCIENTISTS

CHAIN OF CUSTODY RECORD

1870 Ogden Drive, Burlingame CA 94010 PHONE: 650-292-9100 FAX: 650-552-9012

Project Name: Site B - Offsite
Project No.: A40028.01 T5
Location: Emeryville, CA
Sampled By: J. Daugherty, W. Hassett, ~~B. Castle, J. Shaw~~ L. Hansen, R. Ford
Reporting:
Electronic Format: EDF Hard Copy Format: PDF
EPA Data Report Level: II
Laboratory: K Prime, Inc., 3621 Westwind Blvd, Santa Rosa, CA 95403, (707) 527-7574

Please report results to the following:
(1) **EKI**: labs@ekiconsult.com
(2) **Joy Su**: jsu@ekiconsult.com
(3) **Jessica Daugherty:** jdaugherty@ekiconsult.com
(4) **Will Hassett**: whassett@ekiconsult.com

EKI COC No.: (YYYYMMDD-#)
Revision: ______ (A, B, C, D, etc.)
Date: By:

Grab Groundwater

ANALYSES REQUESTED

Field Sample Identification	Lab Sample No.	Date	Time	Matrix	Number / Type of Container (Preservative)	EPA 8260B VOCs + MTBE	EPA 7199 Hexavalent Chromium	EPA 200.8 Title 22 Metals	EPA 8015 TPHd w/ Silica Gel Cleanup	EPA 8015 TPHg	Field Filtered with 0.45-micron filter	PLACE ON HOLD	EXPECTED TURNAROUND TIME	Remarks
H-I-22-26	132643	5/6/2015	1340	Water	~~3~~ 5 - VOAs (HCl)	X				X			STD	
					1 - ~~250-mL Poly~~ Liter Amber				X					
					1 - 250-mL Poly (HNO_3)			X			X			

Special Instructions: Temperature blank included

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation of Carrier/Air Bill No.)
[signature] EKI	5/7/15	1729	[signature] (VTC) 5/7/15 5:29
[signature] (VTC)	7-MAY-2015	1932	Marks Woodruff [signature] / KPI

K PRIME, Inc.

CONSULTING ANALYTICAL CHEMISTS

3621 Westwind Blvd.
Santa Rosa CA 95403
Phone: 707 527 7574
FAX: 707 527 7879

TRANSMITTAL

DATE: 6/25/2015

TO: MS. JOY SU
MR. JOHN DEWITT
MR. RYAN CASEY
ERLER & KALINOWSKI, INC.
1870 OGDEN DRIVE
BURLINGAME, CA 94010

Phone: 650-292-9100
Email: labs@ekiconsult.com
jsu@ekiconsult.com
jdewitt@ekiconsult.com
rcasey@ekiconsult.com

ACCT: 9115
PROJ: B20006.00 T7

FROM: Richard A. Kagel, Ph.D.
Laboratory Director

RAK/mc 6/25/2015

SUBJECT: LABORATORY RESULTS FOR YOUR PROJECT B20006.00 T7

Enclosed please find K Prime's laboratory reports for the following samples:

SAMPLE ID	TYPE	DATE	TIME	KPI LAB #
HUST-PPNG01-2.5	SOIL	6/17/2015	7:50	134056
HUST-PPNG02-2.0	SOIL	6/17/2015	7:52	134057
HUST-PPNG03-2.0	SOIL	6/17/2015	7:55	134058
HUST-PPNG04-2.5	SOIL	6/17/2015	7:58	134059
HUST-SW01-7.0	SOIL	6/17/2015	15:54	134060
HUST-SW02-7.0	SOIL	6/17/2015	16:40	134061
HUST-SW03-7.0	SOIL	6/17/2015	16:16	134062
HUST-SW04-7.0	SOIL	6/17/2015	15:58	134063
HUST-F01-9.5	SOIL	6/17/2015	15:30	134064
HUST-F02-9.5	SOIL	6/17/2015	15:15	134065

The above listed sample group was received on 6/17/2015 and tested as requested on the chain of custody document.

Please call me if you have any questions or need further information.
Thank you for this opportunity to be of service.

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: GRO-GASOLINE RANGE ORGANICS-DRY WEIGHT
REFERENCE: EPA 8015B
SAMPLE TYPE: SOIL
UNITS: mg/Kg

SAMPLE ID	LAB NO.	DATE SAMPLED	TIME SAMPLED	BATCH ID	DATE ANALYZED	MRL	SAMPLE CONC	GRO PATTERN
HUST-PPNG01-2.5	134056	06/17/2015	07:50	061015S1	06/18/2015	1.00	ND	
HUST-PPNG02-2.0	134057	06/17/2015	07:52	061015S1	06/23/2015	4.68	4.92	
HUST-PPNG03-2.0	134058	06/17/2015	07:55	061015S1	06/18/2015	1.00	13.1	
HUST-PPNG04-2.5	134059	06/17/2015	07:58	061015S1	06/18/2015	1.00	ND	
HUST-SW01-7.0	134060	06/17/2015	15:54	061015S1	06/18/2015	1.00	2.96	
HUST-SW02-7.0	134061	06/17/2015	16:40	061015S1	06/18/2015	1.00	4.66	
HUST-SW03-7.0	134062	06/17/2015	16:16	061015S1	06/22/2015	1.00	5.70	
HUST-SW04-7.0	134063	06/17/2015	15:58	061015S1	06/19/2015	1.00	6.31	
HUST-F01-9.5	134064	06/17/2015	15:30	061015S1	06/22/2015	1.00	ND	
HUST-F02-9.5	134065	06/17/2015	15:15	061015S1	06/22/2015	1.00	ND	

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE
MRL - METHOD REPORTING LIMIT
AE - UNKNOWN HYDROCARBON WITH A SINGLE PEAK
AN - UNKNOWN HYDROCARBON WITH SEVERAL PEAKS
AS - HEAVIER HYDROCARBON THAN GASOLINE CONTRIBUTING TO GRO VALUE
CO - HYDROCARBON RESPONSE IN GASOLINE RANGE BUT DOES NOT RESEMBLE GASOLINE

APPROVED BY: CK
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-PPNG01-2.5
LAB NO: 134056
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 07:50
BATCH #: 061115S1
DATE ANALYZED: 06/19/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL
UNITS: µg/Kg dry weight

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	1.88	ND
CHLOROMETHANE	74-87-3	1.88	ND
VINYL CHLORIDE	75-01-4	1.88	ND
BROMOMETHANE	74-83-9	1.88	ND
CHLOROETHANE	75-00-3	1.88	ND
TRICHLOROFLUOROMETHANE	75-69-4	1.88	ND
1,1-DICHLOROETHENE	75-35-4	1.88	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	1.88	ND
METHYLENE CHLORIDE	75-09-2	9.41	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	1.88	ND
1,1-DICHLOROETHANE	75-34-3	1.88	ND
CIS-1,2-DICHLOROETHENE	156-59-2	1.88	ND
2,2-DICHLOROPROPANE	594-20-7	1.88	ND
BROMOCHLOROMETHANE	74-97-5	1.88	ND
CHLOROFORM	67-66-3	1.88	ND
1,1,1-TRICHLOROETHANE	71-55-6	1.88	ND
CARBON TETRACHLORIDE	56-23-5	1.88	ND
1,1-DICHLOROPROPENE	563-58-6	1.88	ND
BENZENE	71-43-2	1.88	ND
1,2-DICHLOROETHANE	107-06-2	1.88	ND
TRICHLOROETHENE	79-01-6	1.88	ND
1,2-DICHLOROPROPANE	78-87-5	1.88	ND
DIBROMOMETHANE	74-95-3	1.88	ND
BROMODICHLOROMETHANE	75-27-4	1.88	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	1.88	ND
TOLUENE	108-88-3	1.88	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	1.88	ND
1,1,2-TRICHLOROETHANE	79-00-5	1.88	ND
TETRACHLOROETHENE	127-18-4	1.88	ND
1,3-DICHLOROPROPANE	142-28-9	1.88	ND
DIBROMOCHLOROMETHANE	124-48-1	1.88	ND
1,2-DIBROMOETHANE	106-93-4	1.88	ND
CHLOROBENZENE	108-90-7	1.88	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	1.88	ND
ETHYLBENZENE	100-41-4	1.88	ND
XYLENE (M+P)	1330-20-7	1.88	ND
XYLENE (O)	1330-20-7	1.88	ND
STYRENE	100-42-5	1.88	ND
BROMOFORM	75-25-2	1.88	ND
ISOPROPYLBENZENE	98-82-8	1.88	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	1.88	ND
BROMOBENZENE	108-86-1	1.88	ND
1,2,3-TRICHLOROPROPANE	96-18-4	1.88	ND
N-PROPYLBENZENE	103-65-1	1.88	ND
2-CHLOROTOLUENE	95-49-8	1.88	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-PPNG01-2.5
LAB NO: 134056
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 07:50
BATCH #: 061115S1
DATE ANALYZED: 06/19/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL
UNITS: µg/Kg dry weight

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	1.88	ND
4-CHLOROTOLUENE	106-43-4	1.88	ND
TERT-BUTYLBENZENE	98-06-6	1.88	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	1.88	ND
SEC-BUTYLBENZENE	135-98-8	1.88	ND
1,3-DICHLOROBENZENE	541-73-1	1.88	ND
4-ISOPROPYLTOLUENE	99-87-6	1.88	ND
1,4-DICHLOROBENZENE	106-46-7	1.88	ND
N-BUTYLBENZENE	104-51-8	1.88	ND
1,2-DICHLOROBENZENE	95-50-1	1.88	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	1.88	ND
1,2,4-TRICHLOROBENZENE	120-82-1	3.76	ND
HEXACHLOROBUTADIENE	87-68-3	3.76	ND
NAPHTHALENE	91-20-3	3.76	ND
1,2,3-TRICHLOROBENZENE	87-61-6	3.76	ND
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	1.88	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	99
TOLUENE-D8	107
4-BROMOFLUOROBENZENE	92

PERCENT MOISTURE	20.3

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-PPNG02-2.0
LAB NO: 134057
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 07:52
BATCH #: 061115S1
DATE ANALYZED: 06/25/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL
UNITS: µg/Kg dry weight

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	1.75	ND
CHLOROMETHANE	74-87-3	1.75	ND
VINYL CHLORIDE	75-01-4	1.75	ND
BROMOMETHANE	74-83-9	1.75	ND
CHLOROETHANE	75-00-3	1.75	ND
TRICHLOROFLUOROMETHANE	75-69-4	1.75	ND
1,1-DICHLOROETHENE	75-35-4	1.75	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	1.75	ND
METHYLENE CHLORIDE	75-09-2	8.77	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	1.75	ND
1,1-DICHLOROETHANE	75-34-3	1.75	ND
CIS-1,2-DICHLOROETHENE	156-59-2	1.75	ND
2,2-DICHLOROPROPANE	594-20-7	1.75	ND
BROMOCHLOROMETHANE	74-97-5	1.75	ND
CHLOROFORM	67-66-3	1.75	ND
1,1,1-TRICHLOROETHANE	71-55-6	1.75	ND
CARBON TETRACHLORIDE	56-23-5	1.75	ND
1,1-DICHLOROPROPENE	563-58-6	1.75	ND
BENZENE	71-43-2	1.75	ND
1,2-DICHLOROETHANE	107-06-2	1.75	ND
TRICHLOROETHENE	79-01-6	1.75	10.0
1,2-DICHLOROPROPANE	78-87-5	1.75	ND
DIBROMOMETHANE	74-95-3	1.75	ND
BROMODICHLOROMETHANE	75-27-4	1.75	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	1.75	ND
TOLUENE	108-88-3	1.75	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	1.75	ND
1,1,2-TRICHLOROETHANE	79-00-5	1.75	ND
TETRACHLOROETHENE	127-18-4	1.75	ND
1,3-DICHLOROPROPANE	142-28-9	1.75	ND
DIBROMOCHLOROMETHANE	124-48-1	1.75	ND
1,2-DIBROMOETHANE	106-93-4	1.75	ND
CHLOROBENZENE	108-90-7	1.75	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	1.75	ND
ETHYLBENZENE	100-41-4	1.75	ND
XYLENE (M+P)	1330-20-7	1.75	ND
XYLENE (O)	1330-20-7	1.75	ND
STYRENE	100-42-5	1.75	ND
BROMOFORM	75-25-2	1.75	ND
ISOPROPYLBENZENE	98-82-8	1.75	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	1.75	ND
BROMOBENZENE	108-86-1	1.75	ND
1,2,3-TRICHLOROPROPANE	96-18-4	1.75	ND
N-PROPYLBENZENE	103-65-1	1.75	ND
2-CHLOROTOLUENE	95-49-8	1.75	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-PPNG02-2.0
LAB NO: 134057
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 07:52
BATCH #: 061115S1
DATE ANALYZED: 06/25/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL
UNITS: µg/Kg dry weight

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	1.75	ND
4-CHLOROTOLUENE	106-43-4	1.75	ND
TERT-BUTYLBENZENE	98-06-6	1.75	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	1.75	ND
SEC-BUTYLBENZENE	135-98-8	1.75	ND
1,3-DICHLOROBENZENE	541-73-1	1.75	ND
4-ISOPROPYLTOLUENE	99-87-6	1.75	ND
1,4-DICHLOROBENZENE	106-46-7	1.75	ND
N-BUTYLBENZENE	104-51-8	1.75	ND
1,2-DICHLOROBENZENE	95-50-1	1.75	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	1.75	ND
1,2,4-TRICHLOROBENZENE	120-82-1	3.51	ND
HEXACHLOROBUTADIENE	87-68-3	3.51	ND
NAPHTHALENE	91-20-3	3.51	7.03
1,2,3-TRICHLOROBENZENE	87-61-6	3.51	ND
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	1.75	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	119
TOLUENE-D8	101
4-BROMOFLUOROBENZENE	77

PERCENT MOISTURE	14.5

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: _____
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-PPNG03-2.0
LAB NO: 134058
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 07:55
BATCH #: 061115S1
DATE ANALYZED: 06/22/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL
UNITS: µg/Kg dry weight

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	235	ND
CHLOROMETHANE	74-87-3	235	ND
VINYL CHLORIDE	75-01-4	235	ND
BROMOMETHANE	74-83-9	235	ND
CHLOROETHANE	75-00-3	235	ND
TRICHLOROFLUOROMETHANE	75-69-4	235	ND
1,1-DICHLOROETHENE	75-35-4	235	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	235	ND
METHYLENE CHLORIDE	75-09-2	1180	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	235	ND
1,1-DICHLOROETHANE	75-34-3	235	ND
CIS-1,2-DICHLOROETHENE	156-59-2	235	ND
2,2-DICHLOROPROPANE	594-20-7	235	ND
BROMOCHLOROMETHANE	74-97-5	235	ND
CHLOROFORM	67-66-3	235	ND
1,1,1-TRICHLOROETHANE	71-55-6	235	ND
CARBON TETRACHLORIDE	56-23-5	235	ND
1,1-DICHLOROPROPENE	563-58-6	235	ND
BENZENE	71-43-2	235	ND
1,2-DICHLOROETHANE	107-06-2	235	ND
TRICHLOROETHENE	79-01-6	235	ND
1,2-DICHLOROPROPANE	78-87-5	235	ND
DIBROMOMETHANE	74-95-3	235	ND
BROMODICHLOROMETHANE	75-27-4	235	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	235	ND
TOLUENE	108-88-3	235	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	235	ND
1,1,2-TRICHLOROETHANE	79-00-5	235	ND
TETRACHLOROETHENE	127-18-4	235	ND
1,3-DICHLOROPROPANE	142-28-9	235	ND
DIBROMOCHLOROMETHANE	124-48-1	235	ND
1,2-DIBROMOETHANE	106-93-4	235	ND
CHLOROBENZENE	108-90-7	235	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	235	ND
ETHYLBENZENE	100-41-4	235	ND
XYLENE (M+P)	1330-20-7	235	ND
XYLENE (O)	1330-20-7	235	ND
STYRENE	100-42-5	235	ND
BROMOFORM	75-25-2	235	ND
ISOPROPYLBENZENE	98-82-8	235	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	235	ND
BROMOBENZENE	108-86-1	235	ND
1,2,3-TRICHLOROPROPANE	96-18-4	235	ND
N-PROPYLBENZENE	103-65-1	235	ND
2-CHLOROTOLUENE	95-49-8	235	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-PPNG03-2.0
LAB NO: 134058
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 07:55
BATCH #: 061115S1
DATE ANALYZED: 06/22/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL
UNITS: µg/Kg dry weight

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	235	ND
4-CHLOROTOLUENE	106-43-4	235	ND
TERT-BUTYLBENZENE	98-06-6	235	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	235	258
SEC-BUTYLBENZENE	135-98-8	235	ND
1,3-DICHLOROBENZENE	541-73-1	235	ND
4-ISOPROPYLTOLUENE	99-87-6	235	ND
1,4-DICHLOROBENZENE	106-46-7	235	ND
N-BUTYLBENZENE	104-51-8	235	ND
1,2-DICHLOROBENZENE	95-50-1	235	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	235	ND
1,2,4-TRICHLOROBENZENE	120-82-1	471	ND
HEXACHLOROBUTADIENE	87-68-3	471	ND
NAPHTHALENE	91-20-3	471	ND
1,2,3-TRICHLOROBENZENE	87-61-6	471	ND
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	235	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	105
TOLUENE-D8	103
4-BROMOFLUOROBENZENE	102

PERCENT MOISTURE	15.0

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: CW
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-PPNG04-2.5
LAB NO: 134059
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 07:58
BATCH #: 061115S1
DATE ANALYZED: 06/22/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL
UNITS: µg/Kg dry weight

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	1.48	ND
CHLOROMETHANE	74-87-3	1.48	ND
VINYL CHLORIDE	75-01-4	1.48	ND
BROMOMETHANE	74-83-9	1.48	ND
CHLOROETHANE	75-00-3	1.48	ND
TRICHLOROFLUOROMETHANE	75-69-4	1.48	ND
1,1-DICHLOROETHENE	75-35-4	1.48	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	1.48	ND
METHYLENE CHLORIDE	75-09-2	7.42	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	1.48	ND
1,1-DICHLOROETHANE	75-34-3	1.48	ND
CIS-1,2-DICHLOROETHENE	156-59-2	1.48	1.74
2,2-DICHLOROPROPANE	594-20-7	1.48	ND
BROMOCHLOROMETHANE	74-97-5	1.48	ND
CHLOROFORM	67-66-3	1.48	ND
1,1,1-TRICHLOROETHANE	71-55-6	1.48	ND
CARBON TETRACHLORIDE	56-23-5	1.48	ND
1,1-DICHLOROPROPENE	563-58-6	1.48	ND
BENZENE	71-43-2	1.48	ND
1,2-DICHLOROETHANE	107-06-2	1.48	ND
TRICHLOROETHENE	79-01-6	1.48	2.28
1,2-DICHLOROPROPANE	78-87-5	1.48	ND
DIBROMOMETHANE	74-95-3	1.48	ND
BROMODICHLOROMETHANE	75-27-4	1.48	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	1.48	ND
TOLUENE	108-88-3	1.48	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	1.48	ND
1,1,2-TRICHLOROETHANE	79-00-5	1.48	ND
TETRACHLOROETHENE	127-18-4	1.48	ND
1,3-DICHLOROPROPANE	142-28-9	1.48	ND
DIBROMOCHLOROMETHANE	124-48-1	1.48	ND
1,2-DIBROMOETHANE	106-93-4	1.48	ND
CHLOROBENZENE	108-90-7	1.48	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	1.48	ND
ETHYLBENZENE	100-41-4	1.48	ND
XYLENE (M+P)	1330-20-7	1.48	ND
XYLENE (O)	1330-20-7	1.48	ND
STYRENE	100-42-5	1.48	ND
BROMOFORM	75-25-2	1.48	ND
ISOPROPYLBENZENE	98-82-8	1.48	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	1.48	ND
BROMOBENZENE	108-86-1	1.48	ND
1,2,3-TRICHLOROPROPANE	96-18-4	1.48	ND
N-PROPYLBENZENE	103-65-1	1.48	ND
2-CHLOROTOLUENE	95-49-8	1.48	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-PPNG04-2.5
LAB NO: 134059
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 07:58
BATCH #: 061115S1
DATE ANALYZED: 06/22/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL
UNITS: µg/Kg dry weight

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	1.48	ND
4-CHLOROTOLUENE	106-43-4	1.48	ND
TERT-BUTYLBENZENE	98-06-6	1.48	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	1.48	ND
SEC-BUTYLBENZENE	135-98-8	1.48	ND
1,3-DICHLOROBENZENE	541-73-1	1.48	ND
4-ISOPROPYLTOLUENE	99-87-6	1.48	ND
1,4-DICHLOROBENZENE	106-46-7	1.48	ND
N-BUTYLBENZENE	104-51-8	1.48	ND
1,2-DICHLOROBENZENE	95-50-1	1.48	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	1.48	ND
1,2,4-TRICHLOROBENZENE	120-82-1	2.97	ND
HEXACHLOROBUTADIENE	87-68-3	2.97	ND
NAPHTHALENE	91-20-3	2.97	4.04
1,2,3-TRICHLOROBENZENE	87-61-6	2.97	ND
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	1.48	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	98
TOLUENE-D8	103
4-BROMOFLUOROBENZENE	87

PERCENT MOISTURE	12.4

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-SW01-7.0
LAB NO: 134060
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 15:54
BATCH #: 061115S1
DATE ANALYZED: 06/22/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL
UNITS: µg/Kg dry weight

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	236	ND
CHLOROMETHANE	74-87-3	236	ND
VINYL CHLORIDE	75-01-4	236	ND
BROMOMETHANE	74-83-9	236	ND
CHLOROETHANE	75-00-3	236	ND
TRICHLOROFLUOROMETHANE	75-69-4	236	ND
1,1-DICHLOROETHENE	75-35-4	236	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	236	ND
METHYLENE CHLORIDE	75-09-2	1180	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	236	ND
1,1-DICHLOROETHANE	75-34-3	236	ND
CIS-1,2-DICHLOROETHENE	156-59-2	236	ND
2,2-DICHLOROPROPANE	594-20-7	236	ND
BROMOCHLOROMETHANE	74-97-5	236	ND
CHLOROFORM	67-66-3	236	ND
1,1,1-TRICHLOROETHANE	71-55-6	236	ND
CARBON TETRACHLORIDE	56-23-5	236	ND
1,1-DICHLOROPROPENE	563-58-6	236	ND
BENZENE	71-43-2	236	ND
1,2-DICHLOROETHANE	107-06-2	236	ND
TRICHLOROETHENE	79-01-6	236	ND
1,2-DICHLOROPROPANE	78-87-5	236	ND
DIBROMOMETHANE	74-95-3	236	ND
BROMODICHLOROMETHANE	75-27-4	236	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	236	ND
TOLUENE	108-88-3	236	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	236	ND
1,1,2-TRICHLOROETHANE	79-00-5	236	ND
TETRACHLOROETHENE	127-18-4	236	ND
1,3-DICHLOROPROPANE	142-28-9	236	ND
DIBROMOCHLOROMETHANE	124-48-1	236	ND
1,2-DIBROMOETHANE	106-93-4	236	ND
CHLOROBENZENE	108-90-7	236	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	236	ND
ETHYLBENZENE	100-41-4	236	ND
XYLENE (M+P)	1330-20-7	236	ND
XYLENE (O)	1330-20-7	236	ND
STYRENE	100-42-5	236	ND
BROMOFORM	75-25-2	236	ND
ISOPROPYLBENZENE	98-82-8	236	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	236	ND
BROMOBENZENE	108-86-1	236	ND
1,2,3-TRICHLOROPROPANE	96-18-4	236	ND
N-PROPYLBENZENE	103-65-1	236	ND
2-CHLOROTOLUENE	95-49-8	236	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-SW01-7.0
LAB NO: 134060
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 15:54
BATCH #: 061115S1
DATE ANALYZED: 06/22/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL
UNITS: µg/Kg dry weight

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	236	ND
4-CHLOROTOLUENE	106-43-4	236	ND
TERT-BUTYLBENZENE	98-06-6	236	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	236	ND
SEC-BUTYLBENZENE	135-98-8	236	ND
1,3-DICHLOROBENZENE	541-73-1	236	ND
4-ISOPROPYLTOLUENE	99-87-6	236	ND
1,4-DICHLOROBENZENE	106-46-7	236	ND
N-BUTYLBENZENE	104-51-8	236	ND
1,2-DICHLOROBENZENE	95-50-1	236	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	236	ND
1,2,4-TRICHLOROBENZENE	120-82-1	471	ND
HEXACHLOROBUTADIENE	87-68-3	471	ND
NAPHTHALENE	91-20-3	471	ND
1,2,3-TRICHLOROBENZENE	87-61-6	471	ND
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	236	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	102
TOLUENE-D8	105
4-BROMOFLUOROBENZENE	103

PERCENT MOISTURE	15.1

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-SW02-7.0
LAB NO: 134061
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 16:40
BATCH #: 061115S1
DATE ANALYZED: 06/22/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL
UNITS: µg/Kg dry weight

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	251	ND
CHLOROMETHANE	74-87-3	251	ND
VINYL CHLORIDE	75-01-4	251	ND
BROMOMETHANE	74-83-9	251	ND
CHLOROETHANE	75-00-3	251	ND
TRICHLOROFLUOROMETHANE	75-69-4	251	ND
1,1-DICHLOROETHENE	75-35-4	251	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	251	ND
METHYLENE CHLORIDE	75-09-2	1250	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	251	ND
1,1-DICHLOROETHANE	75-34-3	251	ND
CIS-1,2-DICHLOROETHENE	156-59-2	251	ND
2,2-DICHLOROPROPANE	594-20-7	251	ND
BROMOCHLOROMETHANE	74-97-5	251	ND
CHLOROFORM	67-66-3	251	ND
1,1,1-TRICHLOROETHANE	71-55-6	251	ND
CARBON TETRACHLORIDE	56-23-5	251	ND
1,1-DICHLOROPROPENE	563-58-6	251	ND
BENZENE	71-43-2	251	ND
1,2-DICHLOROETHANE	107-06-2	251	ND
TRICHLOROETHENE	79-01-6	251	ND
1,2-DICHLOROPROPANE	78-87-5	251	ND
DIBROMOMETHANE	74-95-3	251	ND
BROMODICHLOROMETHANE	75-27-4	251	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	251	ND
TOLUENE	108-88-3	251	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	251	ND
1,1,2-TRICHLOROETHANE	79-00-5	251	ND
TETRACHLOROETHENE	127-18-4	251	ND
1,3-DICHLOROPROPANE	142-28-9	251	ND
DIBROMOCHLOROMETHANE	124-48-1	251	ND
1,2-DIBROMOETHANE	106-93-4	251	ND
CHLOROBENZENE	108-90-7	251	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	251	ND
ETHYLBENZENE	100-41-4	251	ND
XYLENE (M+P)	1330-20-7	251	ND
XYLENE (O)	1330-20-7	251	ND
STYRENE	100-42-5	251	ND
BROMOFORM	75-25-2	251	ND
ISOPROPYLBENZENE	98-82-8	251	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	251	ND
BROMOBENZENE	108-86-1	251	ND
1,2,3-TRICHLOROPROPANE	96-18-4	251	ND
N-PROPYLBENZENE	103-65-1	251	ND
2-CHLOROTOLUENE	95-49-8	251	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-SW02-7.0
LAB NO: 134061
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 16:40
BATCH #: 061115S1
DATE ANALYZED: 06/22/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL
UNITS: µg/Kg dry weight

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	251	ND
4-CHLOROTOLUENE	106-43-4	251	ND
TERT-BUTYLBENZENE	98-06-6	251	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	251	ND
SEC-BUTYLBENZENE	135-98-8	251	ND
1,3-DICHLOROBENZENE	541-73-1	251	ND
4-ISOPROPYLTOLUENE	99-87-6	251	ND
1,4-DICHLOROBENZENE	106-46-7	251	ND
N-BUTYLBENZENE	104-51-8	251	ND
1,2-DICHLOROBENZENE	95-50-1	251	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	251	ND
1,2,4-TRICHLOROBENZENE	120-82-1	501	ND
HEXACHLOROBUTADIENE	87-68-3	501	ND
NAPHTHALENE	91-20-3	501	ND
1,2,3-TRICHLOROBENZENE	87-61-6	501	ND
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	251	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	101
TOLUENE-D8	100
4-BROMOFLUOROBENZENE	92

PERCENT MOISTURE	20.2

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-SW03-7.0
LAB NO: 134062
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 16:16
BATCH #: 062215S1
DATE ANALYZED: 06/25/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL
UNITS: µg/Kg dry weight

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	1080	ND
CHLOROMETHANE	74-87-3	1080	ND
VINYL CHLORIDE	75-01-4	1080	ND
BROMOMETHANE	74-83-9	1080	ND
CHLOROETHANE	75-00-3	1080	ND
TRICHLOROFLUOROMETHANE	75-69-4	1080	ND
1,1-DICHLOROETHENE	75-35-4	1080	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	1080	ND
METHYLENE CHLORIDE	75-09-2	5410	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	1080	ND
1,1-DICHLOROETHANE	75-34-3	1080	ND
CIS-1,2-DICHLOROETHENE	156-59-2	1080	ND
2,2-DICHLOROPROPANE	594-20-7	1080	ND
BROMOCHLOROMETHANE	74-97-5	1080	ND
CHLOROFORM	67-66-3	1080	ND
1,1,1-TRICHLOROETHANE	71-55-6	1080	ND
CARBON TETRACHLORIDE	56-23-5	1080	ND
1,1-DICHLOROPROPENE	563-58-6	1080	ND
BENZENE	71-43-2	1080	ND
1,2-DICHLOROETHANE	107-06-2	1080	ND
TRICHLOROETHENE	79-01-6	1080	ND
1,2-DICHLOROPROPANE	78-87-5	1080	ND
DIBROMOMETHANE	74-95-3	1080	ND
BROMODICHLOROMETHANE	75-27-4	1080	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	1080	ND
TOLUENE	108-88-3	1080	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	1080	ND
1,1,2-TRICHLOROETHANE	79-00-5	1080	ND
TETRACHLOROETHENE	127-18-4	1080	ND
1,3-DICHLOROPROPANE	142-28-9	1080	ND
DIBROMOCHLOROMETHANE	124-48-1	1080	ND
1,2-DIBROMOETHANE	106-93-4	1080	ND
CHLOROBENZENE	108-90-7	1080	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	1080	ND
ETHYLBENZENE	100-41-4	1080	ND
XYLENE (M+P)	1330-20-7	1080	ND
XYLENE (O)	1330-20-7	1080	ND
STYRENE	100-42-5	1080	ND
BROMOFORM	75-25-2	1080	ND
ISOPROPYLBENZENE	98-82-8	1080	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	1080	ND
BROMOBENZENE	108-86-1	1080	ND
1,2,3-TRICHLOROPROPANE	96-18-4	1080	ND
N-PROPYLBENZENE	103-65-1	1080	ND
2-CHLOROTOLUENE	95-49-8	1080	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-SW03-7.0
LAB NO: 134062
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 16:16
BATCH #: 062215S1
DATE ANALYZED: 06/25/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL
UNITS: µg/Kg dry weight

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	1080	ND
4-CHLOROTOLUENE	106-43-4	1080	ND
TERT-BUTYLBENZENE	98-06-6	1080	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	1080	2050
SEC-BUTYLBENZENE	135-98-8	1080	ND
1,3-DICHLOROBENZENE	541-73-1	1080	ND
4-ISOPROPYLTOLUENE	99-87-6	1080	ND
1,4-DICHLOROBENZENE	106-46-7	1080	ND
N-BUTYLBENZENE	104-51-8	1080	ND
1,2-DICHLOROBENZENE	95-50-1	1080	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	1080	ND
1,2,4-TRICHLOROBENZENE	120-82-1	2160	ND
HEXACHLOROBUTADIENE	87-68-3	2160	ND
NAPHTHALENE	91-20-3	2160	5420
1,2,3-TRICHLOROBENZENE	87-61-6	2160	ND
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	1080	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	112
TOLUENE-D8	104
4-BROMOFLUOROBENZENE	93

PERCENT MOISTURE	7.61

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-SW04-7.0
LAB NO: 134063
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 15:58
BATCH #: 062215S1
DATE ANALYZED: 06/22/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL
UNITS: µg/Kg dry weight

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	234	ND
CHLOROMETHANE	74-87-3	234	ND
VINYL CHLORIDE	75-01-4	234	ND
BROMOMETHANE	74-83-9	234	ND
CHLOROETHANE	75-00-3	234	ND
TRICHLOROFLUOROMETHANE	75-69-4	234	ND
1,1-DICHLOROETHENE	75-35-4	234	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	234	ND
METHYLENE CHLORIDE	75-09-2	1170	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	234	ND
1,1-DICHLOROETHANE	75-34-3	234	ND
CIS-1,2-DICHLOROETHENE	156-59-2	234	ND
2,2-DICHLOROPROPANE	594-20-7	234	ND
BROMOCHLOROMETHANE	74-97-5	234	ND
CHLOROFORM	67-66-3	234	ND
1,1,1-TRICHLOROETHANE	71-55-6	234	ND
CARBON TETRACHLORIDE	56-23-5	234	ND
1,1-DICHLOROPROPENE	563-58-6	234	ND
BENZENE	71-43-2	234	ND
1,2-DICHLOROETHANE	107-06-2	234	ND
TRICHLOROETHENE	79-01-6	234	ND
1,2-DICHLOROPROPANE	78-87-5	234	ND
DIBROMOMETHANE	74-95-3	234	ND
BROMODICHLOROMETHANE	75-27-4	234	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	234	ND
TOLUENE	108-88-3	234	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	234	ND
1,1,2-TRICHLOROETHANE	79-00-5	234	ND
TETRACHLOROETHENE	127-18-4	234	ND
1,3-DICHLOROPROPANE	142-28-9	234	ND
DIBROMOCHLOROMETHANE	124-48-1	234	ND
1,2-DIBROMOETHANE	106-93-4	234	ND
CHLOROBENZENE	108-90-7	234	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	234	ND
ETHYLBENZENE	100-41-4	234	ND
XYLENE (M+P)	1330-20-7	234	ND
XYLENE (O)	1330-20-7	234	ND
STYRENE	100-42-5	234	ND
BROMOFORM	75-25-2	234	ND
ISOPROPYLBENZENE	98-82-8	234	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	234	ND
BROMOBENZENE	108-86-1	234	ND
1,2,3-TRICHLOROPROPANE	96-18-4	234	ND
N-PROPYLBENZENE	103-65-1	234	ND
2-CHLOROTOLUENE	95-49-8	234	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-SW04-7.0
LAB NO: 134063
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 15:58
BATCH #: 062215S1
DATE ANALYZED: 06/22/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL
UNITS: µg/Kg dry weight

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	234	ND
4-CHLOROTOLUENE	106-43-4	234	ND
TERT-BUTYLBENZENE	98-06-6	234	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	234	ND
SEC-BUTYLBENZENE	135-98-8	234	ND
1,3-DICHLOROBENZENE	541-73-1	234	ND
4-ISOPROPYLTOLUENE	99-87-6	234	ND
1,4-DICHLOROBENZENE	106-46-7	234	ND
N-BUTYLBENZENE	104-51-8	234	ND
1,2-DICHLOROBENZENE	95-50-1	234	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	234	ND
1,2,4-TRICHLOROBENZENE	120-82-1	467	ND
HEXACHLOROBUTADIENE	87-68-3	467	ND
NAPHTHALENE	91-20-3	467	536
1,2,3-TRICHLOROBENZENE	87-61-6	467	ND
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	234	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	113
TOLUENE-D8	104
4-BROMOFLUOROBENZENE	105

PERCENT MOISTURE	14.4

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-F01-9.5
LAB NO: 134064
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 15:30
BATCH #: 062215S1
DATE ANALYZED: 06/23/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL
UNITS: µg/Kg dry weight

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	1.78	ND
CHLOROMETHANE	74-87-3	1.78	ND
VINYL CHLORIDE	75-01-4	1.78	ND
BROMOMETHANE	74-83-9	1.78	ND
CHLOROETHANE	75-00-3	1.78	ND
TRICHLOROFLUOROMETHANE	75-69-4	1.78	ND
1,1-DICHLOROETHENE	75-35-4	1.78	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	1.78	ND
METHYLENE CHLORIDE	75-09-2	8.90	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	1.78	ND
1,1-DICHLOROETHANE	75-34-3	1.78	ND
CIS-1,2-DICHLOROETHENE	156-59-2	1.78	ND
2,2-DICHLOROPROPANE	594-20-7	1.78	ND
BROMOCHLOROMETHANE	74-97-5	1.78	ND
CHLOROFORM	67-66-3	1.78	ND
1,1,1-TRICHLOROETHANE	71-55-6	1.78	ND
CARBON TETRACHLORIDE	56-23-5	1.78	ND
1,1-DICHLOROPROPENE	563-58-6	1.78	ND
BENZENE	71-43-2	1.78	ND
1,2-DICHLOROETHANE	107-06-2	1.78	ND
TRICHLOROETHENE	79-01-6	1.78	ND
1,2-DICHLOROPROPANE	78-87-5	1.78	ND
DIBROMOMETHANE	74-95-3	1.78	ND
BROMODICHLOROMETHANE	75-27-4	1.78	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	1.78	ND
TOLUENE	108-88-3	1.78	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	1.78	ND
1,1,2-TRICHLOROETHANE	79-00-5	1.78	ND
TETRACHLOROETHENE	127-18-4	1.78	ND
1,3-DICHLOROPROPANE	142-28-9	1.78	ND
DIBROMOCHLOROMETHANE	124-48-1	1.78	ND
1,2-DIBROMOETHANE	106-93-4	1.78	ND
CHLOROBENZENE	108-90-7	1.78	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	1.78	ND
ETHYLBENZENE	100-41-4	1.78	ND
XYLENE (M+P)	1330-20-7	1.78	ND
XYLENE (O)	1330-20-7	1.78	ND
STYRENE	100-42-5	1.78	ND
BROMOFORM	75-25-2	1.78	ND
ISOPROPYLBENZENE	98-82-8	1.78	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	1.78	ND
BROMOBENZENE	108-86-1	1.78	ND
1,2,3-TRICHLOROPROPANE	96-18-4	1.78	ND
N-PROPYLBENZENE	103-65-1	1.78	ND
2-CHLOROTOLUENE	95-49-8	1.78	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-F01-9.5
LAB NO: 134064
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 15:30
BATCH #: 062215S1
DATE ANALYZED: 06/23/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL
UNITS: µg/Kg dry weight

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	1.78	ND
4-CHLOROTOLUENE	106-43-4	1.78	ND
TERT-BUTYLBENZENE	98-06-6	1.78	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	1.78	ND
SEC-BUTYLBENZENE	135-98-8	1.78	ND
1,3-DICHLOROBENZENE	541-73-1	1.78	ND
4-ISOPROPYLTOLUENE	99-87-6	1.78	ND
1,4-DICHLOROBENZENE	106-46-7	1.78	ND
N-BUTYLBENZENE	104-51-8	1.78	ND
1,2-DICHLOROBENZENE	95-50-1	1.78	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	1.78	ND
1,2,4-TRICHLOROBENZENE	120-82-1	3.56	ND
HEXACHLOROBUTADIENE	87-68-3	3.56	ND
NAPHTHALENE	91-20-3	3.56	ND
1,2,3-TRICHLOROBENZENE	87-61-6	3.56	ND
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	1.78	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	117
TOLUENE-D8	107
4-BROMOFLUOROBENZENE	90

PERCENT MOISTURE	16.9

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-F02-9.5
LAB NO: 134065
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 15:15
BATCH #: 062215S1
DATE ANALYZED: 06/25/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL
UNITS: µg/Kg dry weight

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	1.77	ND
CHLOROMETHANE	74-87-3	1.77	ND
VINYL CHLORIDE	75-01-4	1.77	ND
BROMOMETHANE	74-83-9	1.77	ND
CHLOROETHANE	75-00-3	1.77	ND
TRICHLOROFLUOROMETHANE	75-69-4	1.77	ND
1,1-DICHLOROETHENE	75-35-4	1.77	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	1.77	ND
METHYLENE CHLORIDE	75-09-2	8.87	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	1.77	ND
1,1-DICHLOROETHANE	75-34-3	1.77	ND
CIS-1,2-DICHLOROETHENE	156-59-2	1.77	ND
2,2-DICHLOROPROPANE	594-20-7	1.77	ND
BROMOCHLOROMETHANE	74-97-5	1.77	ND
CHLOROFORM	67-66-3	1.77	ND
1,1,1-TRICHLOROETHANE	71-55-6	1.77	ND
CARBON TETRACHLORIDE	56-23-5	1.77	ND
1,1-DICHLOROPROPENE	563-58-6	1.77	ND
BENZENE	71-43-2	1.77	ND
1,2-DICHLOROETHANE	107-06-2	1.77	ND
TRICHLOROETHENE	79-01-6	1.77	ND
1,2-DICHLOROPROPANE	78-87-5	1.77	ND
DIBROMOMETHANE	74-95-3	1.77	ND
BROMODICHLOROMETHANE	75-27-4	1.77	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	1.77	ND
TOLUENE	108-88-3	1.77	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	1.77	ND
1,1,2-TRICHLOROETHANE	79-00-5	1.77	ND
TETRACHLOROETHENE	127-18-4	1.77	ND
1,3-DICHLOROPROPANE	142-28-9	1.77	ND
DIBROMOCHLOROMETHANE	124-48-1	1.77	ND
1,2-DIBROMOETHANE	106-93-4	1.77	ND
CHLOROBENZENE	108-90-7	1.77	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	1.77	ND
ETHYLBENZENE	100-41-4	1.77	ND
XYLENE (M+P)	1330-20-7	1.77	ND
XYLENE (O)	1330-20-7	1.77	ND
STYRENE	100-42-5	1.77	ND
BROMOFORM	75-25-2	1.77	ND
ISOPROPYLBENZENE	98-82-8	1.77	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	1.77	ND
BROMOBENZENE	108-86-1	1.77	ND
1,2,3-TRICHLOROPROPANE	96-18-4	1.77	ND
N-PROPYLBENZENE	103-65-1	1.77	ND
2-CHLOROTOLUENE	95-49-8	1.77	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-F02-9.5
LAB NO: 134065
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 15:15
BATCH #: 062215S1
DATE ANALYZED: 06/25/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5035/8260

SAMPLE TYPE: SOIL
UNITS: µg/Kg dry weight

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	1.77	ND
4-CHLOROTOLUENE	106-43-4	1.77	ND
TERT-BUTYLBENZENE	98-06-6	1.77	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	1.77	ND
SEC-BUTYLBENZENE	135-98-8	1.77	ND
1,3-DICHLOROBENZENE	541-73-1	1.77	ND
4-ISOPROPYLTOLUENE	99-87-6	1.77	ND
1,4-DICHLOROBENZENE	106-46-7	1.77	ND
N-BUTYLBENZENE	104-51-8	1.77	ND
1,2-DICHLOROBENZENE	95-50-1	1.77	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	1.77	ND
1,2,4-TRICHLOROBENZENE	120-82-1	3.55	ND
HEXACHLOROBUTADIENE	87-68-3	3.55	ND
NAPHTHALENE	91-20-3	3.55	ND
1,2,3-TRICHLOROBENZENE	87-61-6	3.55	ND
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	1.77	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	115
TOLUENE-D8	103
4-BROMOFLUOROBENZENE	97

PERCENT MOISTURE	15.4

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: DRO - DRY WEIGHT
REFERENCE: EPA 8015B

SAMPLE TYPE: SOIL
UNITS: mg/Kg

SAMPLE ID	LAB NO.	DATE SAMPLED	BATCH ID	EXTRACT DATE	DATE ANALYZED	MRL	SAMPLE CONC	DRO PATTERN
HUST-PPNG01-2.5	134056	6/17/2015	061815S1	6/18/2015	6/18/2015	12.5	180	AC
HUST-PPNG02-2.0	134057	6/17/2015	061815S1	6/18/2015	6/18/2015	11.7	225	AC
HUST-PPNG03-2.0	134058	6/17/2015	061815S1	6/18/2015	6/18/2015	11.8	1020	
HUST-PPNG04-2.5	134059	6/17/2015	061815S1	6/18/2015	6/18/2015	11.4	350	AC
HUST-SW01-7.0	134060	6/17/2015	061815S1	6/18/2015	6/18/2015	11.8	1080	
HUST-SW02-7.0	134061	6/17/2015	061815S1	6/18/2015	6/18/2015	12.5	267	
HUST-SW03-7.0	134062	6/17/2015	061815S1	6/18/2015	6/18/2015	10.8	1290	
HUST-SW04-7.0	134063	6/17/2015	061815S1	6/18/2015	6/18/2015	11.7	4440	
HUST-F01-9.5	134064	6/17/2015	061815S1	6/18/2015	6/18/2015	12.0	ND	
HUST-F02-9.5	134065	6/17/2015	061815S1	6/18/2015	6/18/2015	11.8	ND	

NOTES:

DRO	Diesel Range Organics (C12-C23)
ND	Not Detected at or above the stated MRL
NA	Not Applicable or Available
MRL	Method Reporting Limit
AD	Typical Pattern for Diesel
AM	Hydrocarbon response is in the C12-C22 range
AC	Heavier hydrocarbons contributing to diesel range quantitation
AJ	Heavier hydrocarbon than diesel
AK	Lighter hydrocarbon than diesel
AE	Unknown hydrocarbon with a single peak
AN	Unknown hydrocarbon with several peaks

APPROVED BY: cw
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: HRO - DRY WEIGHT
REFERENCE: EPA 8015B

SAMPLE TYPE: SOIL
UNITS: mg/Kg

SAMPLE ID	LAB NO.	DATE SAMPLED	BATCH ID	EXTRACT DATE	DATE ANALYZED	MRL	SAMPLE CONC	HRO PATTERN
HUST-PPNG01-2.5	134056	6/17/2015	061815S1	6/18/2015	6/18/2015	12.5	252	
HUST-PPNG02-2.0	134057	6/17/2015	061815S1	6/18/2015	6/18/2015	11.7	330	
HUST-PPNG03-2.0	134058	6/17/2015	061815S1	6/18/2015	6/18/2015	11.8	232	
HUST-PPNG04-2.5	134059	6/17/2015	061815S1	6/18/2015	6/18/2015	11.4	427	
HUST-SW01-7.0	134060	6/17/2015	061815S1	6/18/2015	6/18/2015	11.8	164	
HUST-SW02-7.0	134061	6/17/2015	061815S1	6/18/2015	6/18/2015	12.5	53.3	
HUST-SW03-7.0	134062	6/17/2015	061815S1	6/18/2015	6/18/2015	10.8	120	
HUST-SW04-7.0	134063	6/17/2015	061815S1	6/18/2015	6/18/2015	11.7	534	
HUST-F01-9.5	134064	6/17/2015	061815S1	6/18/2015	6/18/2015	12.0	ND	
HUST-F02-9.5	134065	6/17/2015	061815S1	6/18/2015	6/18/2015	11.8	ND	

NOTES:

HRO	Heavy Range Organics (C24-C34)
ND	Not Detected at or above the stated MRL
NA	Not Applicable or Available
MRL	Method Reporting Limit
AE	Unknown hydrocarbon with a single peak
AN	Unknown hydrocarbon with several peaks

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

SAMPLE ID: HUST-PPNG01-2.5
LAB NO: 134056
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 7:50
BATCH #: 061815S1
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/18/2015

METHOD: POLYCHLORINATED BIPHENYLS
REFERENCE: EPA 3550/8082

SAMPLE TYPE: SOIL
UNITS: ug/Kg (dry)

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
AROCLOR 1016	12674-11-2	25.2	ND
AROCLOR 1221	11104-28-2	25.2	ND
AROCLOR 1232	11141-16-5	25.2	ND
AROCLOR 1242	53469-21-9	25.2	ND
AROCLOR 1248	12672-29-6	25.2	ND
AROCLOR 1254	11097-69-1	25.2	27.8
AROCLOR 1260	11096-82-5	25.2	219

SURROGATE RECOVERY	%
TCMX	87
DCBP	132

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: CW
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

SAMPLE ID: HUST-PPNG02-2.0
LAB NO: 134057
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 7:52
BATCH #: 061815S1
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/18/2015

METHOD: POLYCHLORINATED BIPHENYLS
REFERENCE: EPA 3550/8082

SAMPLE TYPE: SOIL
UNITS: ug/Kg (dry)

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
AROCLOR 1016	12674-11-2	25.2	ND
AROCLOR 1221	11104-28-2	25.2	ND
AROCLOR 1232	11141-16-5	25.2	ND
AROCLOR 1242	53469-21-9	25.2	ND
AROCLOR 1248	12672-29-6	25.2	ND
AROCLOR 1254	11097-69-1	25.2	ND
AROCLOR 1260	11096-82-5	25.2	26.4

SURROGATE RECOVERY	%
TCMX	70
DCBP	102

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: _____
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

SAMPLE ID: HUST-PPNG03-2.0
LAB NO: 134058
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 7:55
BATCH #: 061815S1
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/18/2015

METHOD: POLYCHLORINATED BIPHENYLS
REFERENCE: EPA 3550/8082

SAMPLE TYPE: SOIL
UNITS: ug/Kg (dry)

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
AROCLOR 1016	12674-11-2	25.2	ND
AROCLOR 1221	11104-28-2	25.2	ND
AROCLOR 1232	11141-16-5	25.2	ND
AROCLOR 1242	53469-21-9	25.2	ND
AROCLOR 1248	12672-29-6	25.2	ND
AROCLOR 1254	11097-69-1	25.2	ND
AROCLOR 1260	11096-82-5	25.2	ND

SURROGATE RECOVERY	%
TCMX	66
DCBP	82

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

SAMPLE ID: HUST-PPNG04-2.5
LAB NO: 134059
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 7:58
BATCH #: 061815S1
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/18/2015

METHOD: POLYCHLORINATED BIPHENYLS
REFERENCE: EPA 3550/8082

SAMPLE TYPE: SOIL
UNITS: ug/Kg (dry)

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
AROCLOR 1016	12674-11-2	25.2	ND
AROCLOR 1221	11104-28-2	25.2	ND
AROCLOR 1232	11141-16-5	25.2	ND
AROCLOR 1242	53469-21-9	25.2	ND
AROCLOR 1248	12672-29-6	25.2	ND
AROCLOR 1254	11097-69-1	25.2	ND
AROCLOR 1260	11096-82-5	25.2	ND

SURROGATE RECOVERY	%
TCMX	69
DCBP	93

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

SAMPLE ID: HUST-SW01-7.0
LAB NO: 134060
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 15:54
BATCH #: 061815S1
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/18/2015

METHOD: POLYCHLORINATED BIPHENYLS
REFERENCE: EPA 3550/8082

SAMPLE TYPE: SOIL
UNITS: ug/Kg (dry)

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
AROCLOR 1016	12674-11-2	25.2	ND
AROCLOR 1221	11104-28-2	25.2	ND
AROCLOR 1232	11141-16-5	25.2	ND
AROCLOR 1242	53469-21-9	25.2	ND
AROCLOR 1248	12672-29-6	25.2	ND
AROCLOR 1254	11097-69-1	25.2	ND
AROCLOR 1260	11096-82-5	25.2	ND

SURROGATE RECOVERY	%
TCMX	71
DCBP	86

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

SAMPLE ID: HUST-SW02-7.0
LAB NO: 134061
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 16:40
BATCH #: 061815S1
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/18/2015

METHOD: POLYCHLORINATED BIPHENYLS
REFERENCE: EPA 3550/8082

SAMPLE TYPE: SOIL
UNITS: ug/Kg (dry)

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
AROCLOR 1016	12674-11-2	25.2	ND
AROCLOR 1221	11104-28-2	25.2	ND
AROCLOR 1232	11141-16-5	25.2	ND
AROCLOR 1242	53469-21-9	25.2	ND
AROCLOR 1248	12672-29-6	25.2	ND
AROCLOR 1254	11097-69-1	25.2	ND
AROCLOR 1260	11096-82-5	25.2	33.2

SURROGATE RECOVERY	%
TCMX	73
DCBP	94

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

SAMPLE ID: HUST-SW03-7.0
LAB NO: 134062
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 16:16
BATCH #: 061815S1
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/18/2015

METHOD: POLYCHLORINATED BIPHENYLS
REFERENCE: EPA 3550/8082

SAMPLE TYPE: SOIL
UNITS: ug/Kg (dry)

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
AROCLOR 1016	12674-11-2	25.2	ND
AROCLOR 1221	11104-28-2	25.2	ND
AROCLOR 1232	11141-16-5	25.2	ND
AROCLOR 1242	53469-21-9	25.2	ND
AROCLOR 1248	12672-29-6	25.2	ND
AROCLOR 1254	11097-69-1	25.2	ND
AROCLOR 1260	11096-82-5	25.2	ND

SURROGATE RECOVERY	%
TCMX	67
DCBP	86

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: CW
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

SAMPLE ID: HUST-SW04-7.0
LAB NO: 134063
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 15:58
BATCH #: 061815S1
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/18/2015

METHOD: POLYCHLORINATED BIPHENYLS
REFERENCE: EPA 3550/8082

SAMPLE TYPE: SOIL
UNITS: ug/Kg (dry)

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
AROCLOR 1016	12674-11-2	25.2	ND
AROCLOR 1221	11104-28-2	25.2	ND
AROCLOR 1232	11141-16-5	25.2	ND
AROCLOR 1242	53469-21-9	25.2	ND
AROCLOR 1248	12672-29-6	25.2	ND
AROCLOR 1254	11097-69-1	25.2	ND
AROCLOR 1260	11096-82-5	25.2	ND

SURROGATE RECOVERY	%
TCMX	100
DCBP	119

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: CH
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

SAMPLE ID: HUST-F01-9.5
LAB NO: 134064
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 15:30
BATCH #: 061815S1
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/18/2015

METHOD: POLYCHLORINATED BIPHENYLS
REFERENCE: EPA 3550/8082

SAMPLE TYPE: SOIL
UNITS: ug/Kg (dry)

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
AROCLOR 1016	12674-11-2	25.2	ND
AROCLOR 1221	11104-28-2	25.2	ND
AROCLOR 1232	11141-16-5	25.2	ND
AROCLOR 1242	53469-21-9	25.2	ND
AROCLOR 1248	12672-29-6	25.2	ND
AROCLOR 1254	11097-69-1	25.2	ND
AROCLOR 1260	11096-82-5	25.2	ND

SURROGATE RECOVERY	%
TCMX	94
DCBP	108

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

SAMPLE ID: HUST-F02-9.5
LAB NO: 134065
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 15:15
BATCH #: 061815S1
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/18/2015

METHOD: POLYCHLORINATED BIPHENYLS
REFERENCE: EPA 3550/8082

SAMPLE TYPE: SOIL
UNITS: ug/Kg (dry)

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
AROCLOR 1016	12674-11-2	25.2	ND
AROCLOR 1221	11104-28-2	25.2	ND
AROCLOR 1232	11141-16-5	25.2	ND
AROCLOR 1242	53469-21-9	25.2	ND
AROCLOR 1248	12672-29-6	25.2	ND
AROCLOR 1254	11097-69-1	25.2	ND
AROCLOR 1260	11096-82-5	25.2	ND

SURROGATE RECOVERY	%
TCMX	103
DCBP	108

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-PPNG01-2.5
LAB NO: 134056
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 7:50
K PRIME PROJECT: 9115 **BATCH #:** 060915S1
CLIENT PROJECT: B20006.00 T7 **DATE EXTRACTED:** 06/18/2015
DATE ANALYZED: 06/19/2015

METHOD: SEMIVOLATILE ORGANIC COMPOUNDS **SAMPLE TYPE:** SOIL
REFERENCE: EPA 3550/8270 -DRY WEIGHT **UNITS:** ug/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
ACENAPHTHENE	83-32-9	333	ND
ACENAPHTHYLENE	208-96-8	333	ND
ANTHRACENE	120-12-7	333	ND
BENZO (A) ANTHRACENE	56-55-3	333	ND
BENZO (B) FLUORANTHENE	205-99-2	333	ND
BENZO (K) FLUORANTHENE	207-08-9	333	ND
BENZO (A) PYRENE	50-32-8	333	ND
BENZO (G,H,I) PERYLENE	191-24-2	333	ND
BENZYL ALCOHOL	100-51-6	333	ND
BUTYL BENZYL PHTHALATE	85-68-7	333	ND
BIS (2-CHLOROETHYL) ETHER	111-44-4	333	ND
BIS (2-CHLOROETHOXY) METHANE	111-91-1	333	ND
BIS (2-CHLOROISOPROPYL) ETHER	108-60-1	333	ND
BIS (2-ETHYLHEXYL) PHTHALATE	117-81-7	333	ND
4-BROMOPHENYL PHENYL ETHER	101-55-3	333	ND
4-CHLOROANILINE	106-47-8	333	ND
2-CHLORONAPHTHALENE	91-58-7	333	ND
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	333	ND
CHRYSENE	218-01-9	333	ND
DIBENZO (A,H) ANTHRACENE	53-70-3	333	ND
DIBENZOFURAN	132-64-9	333	ND
DI-N-BUTYLPHTHALATE	84-74-2	333	ND
1,2-DICHLOROBENZENE	95-50-1	333	ND
1,3-DICHLOROBENZENE	541-73-1	333	ND
1,4-DICHLOROBENZENE	106-46-7	333	ND
3,3'-DICHLOROBENZIDINE	91-94-1	665	ND
DIETHYLPHTHALATE	84-66-2	333	ND
DIMETHYL PHTHALATE	131-11-3	333	ND
2,4-DINITROTOLUENE	121-14-2	333	ND
2,6-DINITROTOLUENE	606-20-2	333	ND
DI-N-OCTYL PHTHALATE	117-84-0	333	ND
DIPHENYLAMINE	122-39-4	333	ND
FLUORANTHENE	206-44-0	333	ND
FLUORENE	86-73-7	333	ND
HEXACHLOROBENZENE	118-74-1	333	ND
HEXACHLOROBUTADIENE	87-68-3	333	ND
HEXACHLOROCYCLOPENTADIENE	77-47-4	333	ND
HEXACHLOROETHANE	67-72-1	333	ND
INDENO (1,2,3-CD) PYRENE	193-39-5	333	ND
ISOPHORONE	78-59-1	333	ND

K PRIME, INC.

LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

SAMPLE ID: HUST-PPNG01-2.5
LAB NO: 134056
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 7:50
BATCH #: 060915S1
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/19/2015

METHOD: SEMIVOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 3550/8270 -DRY WEIGHT

SAMPLE TYPE: SOIL
UNITS: ug/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
2-METHYLNAPHTHALENE	91-57-6	333	ND
NAPHTHALENE	91-20-3	333	ND
2-NITROANILINE	88-74-4	1610	ND
3-NITROANILINE	99-09-2	1610	ND
4-NITROANILINE	100-01-6	1610	ND
NITROBENZENE	98-95-3	333	ND
N-NITROSO-DI-N-PROPYLAMINE	621-64-7	333	ND
PHENANTHRENE	85-01-8	333	ND
PYRENE	129-00-0	333	ND
1,2,4-TRICHLOROBENZENE	120-82-1	333	ND
ACID EXTRACTABLES			
4-CHLORO-3-METHYLPHENOL	59-50-7	665	ND
2-CHLOROPHENOL	95-57-8	665	ND
2,4-DICHLOROPHENOL	120-83-2	665	ND
2,4-DIMETHYLPHENOL	105-67-9	665	ND
2,4-DINITROPHENOL	51-28-5	1610	ND
4,6-DINITRO-2-METHYLPHENOL	534-52-1	1610	ND
2-NITROPHENOL	88-75-5	1610	ND
4-NITROPHENOL	100-02-7	1610	ND
PENTACHLOROPHENOL	87-86-5	1610	ND
PHENOL	108-95-2	665	ND
2-METHYLPHENOL	95-48-7	665	ND
4-METHYLPHENOL	106-44-5	665	ND
2,4,5-TRICHLOROPHENOL	95-95-4	1610	ND
2,4,6-TRICHLOROPHENOL	88-06-2	1610	ND

SURROGATE RECOVERY	%
NITROBENZENE-D5	76
2-FLUOROBIPHENYL	74
P-TERPHENYL-D14	93
PHENOL-D5	31
2-FLUOROPHENOL	36
2,4,6-TRIBROMOPHENOL	78

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-PPNG02-2.0
LAB NO: 134057
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 7:52
K PRIME PROJECT: 9115 **BATCH #:** 060915S1
CLIENT PROJECT: B20006.00 T7 **DATE EXTRACTED:** 06/18/2015
DATE ANALYZED: 06/18/2015

METHOD: SEMIVOLATILE ORGANIC COMPOUNDS **SAMPLE TYPE:** SOIL
REFERENCE: EPA 3550/8270 -DRY WEIGHT **UNITS:** ug/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
ACENAPHTHENE	83-32-9	1660	ND
ACENAPHTHYLENE	208-96-8	1660	ND
ANTHRACENE	120-12-7	1660	ND
BENZO (A) ANTHRACENE	56-55-3	1660	ND
BENZO (B) FLUORANTHENE	205-99-2	1660	ND
BENZO (K) FLUORANTHENE	207-08-9	1660	ND
BENZO (A) PYRENE	50-32-8	1660	ND
BENZO (G,H,I) PERYLENE	191-24-2	1660	ND
BENZYL ALCOHOL	100-51-6	1660	ND
BUTYL BENZYL PHTHALATE	85-68-7	1660	ND
BIS (2-CHLOROETHYL) ETHER	111-44-4	1660	ND
BIS (2-CHLOROETHOXY) METHANE	111-91-1	1660	ND
BIS (2-CHLOROISOPROPYL) ETHER	108-60-1	1660	ND
BIS (2-ETHYLHEXYL) PHTHALATE	117-81-7	1660	ND
4-BROMOPHENYL PHENYL ETHER	101-55-3	1660	ND
4-CHLOROANILINE	106-47-8	1660	ND
2-CHLORONAPHTHALENE	91-58-7	1660	ND
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	1660	ND
CHRYSENE	218-01-9	1660	ND
DIBENZO (A,H) ANTHRACENE	53-70-3	1660	ND
DIBENZOFURAN	132-64-9	1660	ND
DI-N-BUTYLPHTHALATE	84-74-2	1660	ND
1,2-DICHLOROBENZENE	95-50-1	1660	ND
1,3-DICHLOROBENZENE	541-73-1	1660	ND
1,4-DICHLOROBENZENE	106-46-7	1660	ND
3,3'-DICHLOROBENZIDINE	91-94-1	3330	ND
DIETHYLPHTHALATE	84-66-2	1660	ND
DIMETHYL PHTHALATE	131-11-3	1660	ND
2,4-DINITROTOLUENE	121-14-2	1660	ND
2,6-DINITROTOLUENE	606-20-2	1660	ND
DI-N-OCTYL PHTHALATE	117-84-0	1660	ND
DIPHENYLAMINE	122-39-4	1660	ND
FLUORANTHENE	206-44-0	1660	ND
FLUORENE	86-73-7	1660	ND
HEXACHLOROBENZENE	118-74-1	1660	ND
HEXACHLOROBUTADIENE	87-68-3	1660	ND
HEXACHLOROCYCLOPENTADIENE	77-47-4	1660	ND
HEXACHLOROETHANE	67-72-1	1660	ND
INDENO (1,2,3-CD) PYRENE	193-39-5	1660	ND
ISOPHORONE	78-59-1	1660	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-PPNG02-2.0
LAB NO: 134057
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 7:52
K PRIME PROJECT: 9115
BATCH #: 060915S1
CLIENT PROJECT: B20006.00 T7
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/18/2015

METHOD: SEMIVOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 3550/8270 -DRY WEIGHT
SAMPLE TYPE: SOIL
UNITS: ug/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
2-METHYLNAPHTHALENE	91-57-6	1660	ND
NAPHTHALENE	91-20-3	1660	ND
2-NITROANILINE	88-74-4	8070	ND
3-NITROANILINE	99-09-2	8070	ND
4-NITROANILINE	100-01-6	8070	ND
NITROBENZENE	98-95-3	1660	ND
N-NITROSO-DI-N-PROPYLAMINE	621-64-7	1660	ND
PHENANTHRENE	85-01-8	1660	ND
PYRENE	129-00-0	1660	ND
1,2,4-TRICHLOROBENZENE	120-82-1	1660	ND
ACID EXTRACTABLES			
4-CHLORO-3-METHYLPHENOL	59-50-7	3330	ND
2-CHLOROPHENOL	95-57-8	3330	ND
2,4-DICHLOROPHENOL	120-83-2	3330	ND
2,4-DIMETHYLPHENOL	105-67-9	3330	ND
2,4-DINITROPHENOL	51-28-5	8070	ND
4,6-DINITRO-2-METHYLPHENOL	534-52-1	8070	ND
2-NITROPHENOL	88-75-5	8070	ND
4-NITROPHENOL	100-02-7	8070	ND
PENTACHLOROPHENOL	87-86-5	8070	ND
PHENOL	108-95-2	3330	ND
2-METHYLPHENOL	95-48-7	3330	ND
4-METHYLPHENOL	106-44-5	3330	ND
2,4,5-TRICHLOROPHENOL	95-95-4	8070	ND
2,4,6-TRICHLOROPHENOL	88-06-2	8070	ND

SURROGATE RECOVERY	%
NITROBENZENE-D5	69
2-FLUOROBIPHENYL	91
P-TERPHENYL-D14	92
PHENOL-D5	30
2-FLUOROPHENOL	35
2,4,6-TRIBROMOPHENOL	57

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

SAMPLE ID: HUST-PPNG03-2.0
LAB NO: 134058
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 7:55
BATCH #: 060915S1
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/19/2015

METHOD: SEMIVOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 3550/8270 -DRY WEIGHT

SAMPLE TYPE: SOIL
UNITS: ug/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
ACENAPHTHENE	83-32-9	1660	ND
ACENAPHTHYLENE	208-96-8	1660	ND
ANTHRACENE	120-12-7	1660	ND
BENZO (A) ANTHRACENE	56-55-3	1660	ND
BENZO (B) FLUORANTHENE	205-99-2	1660	ND
BENZO (K) FLUORANTHENE	207-08-9	1660	ND
BENZO (A) PYRENE	50-32-8	1660	ND
BENZO (G,H,I) PERYLENE	191-24-2	1660	ND
BENZYL ALCOHOL	100-51-6	1660	ND
BUTYL BENZYL PHTHALATE	85-68-7	1660	ND
BIS (2-CHLOROETHYL) ETHER	111-44-4	1660	ND
BIS (2-CHLOROETHOXY) METHANE	111-91-1	1660	ND
BIS (2-CHLOROISOPROPYL) ETHER	108-60-1	1660	ND
BIS (2-ETHYLHEXYL) PHTHALATE	117-81-7	1660	ND
4-BROMOPHENYL PHENYL ETHER	101-55-3	1660	ND
4-CHLOROANILINE	106-47-8	1660	ND
2-CHLORONAPHTHALENE	91-58-7	1660	ND
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	1660	ND
CHRYSENE	218-01-9	1660	ND
DIBENZO (A,H) ANTHRACENE	53-70-3	1660	ND
DIBENZOFURAN	132-64-9	1660	ND
DI-N-BUTYLPHTHALATE	84-74-2	1660	ND
1,2-DICHLOROBENZENE	95-50-1	1660	ND
1,3-DICHLOROBENZENE	541-73-1	1660	ND
1,4-DICHLOROBENZENE	106-46-7	1660	ND
3,3'-DICHLOROBENZIDINE	91-94-1	3330	ND
DIETHYLPHTHALATE	84-66-2	1660	ND
DIMETHYL PHTHALATE	131-11-3	1660	ND
2,4-DINITROTOLUENE	121-14-2	1660	ND
2,6-DINITROTOLUENE	606-20-2	1660	ND
DI-N-OCTYL PHTHALATE	117-84-0	1660	ND
DIPHENYLAMINE	122-39-4	1660	ND
FLUORANTHENE	206-44-0	1660	ND
FLUORENE	86-73-7	1660	ND
HEXACHLOROBENZENE	118-74-1	1660	ND
HEXACHLOROBUTADIENE	87-68-3	1660	ND
HEXACHLOROCYCLOPENTADIENE	77-47-4	1660	ND
HEXACHLOROETHANE	67-72-1	1660	ND
INDENO (1,2,3-CD) PYRENE	193-39-5	1660	ND
ISOPHORONE	78-59-1	1660	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-PPNG03-2.0
LAB NO: 134058
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 7:55
K PRIME PROJECT: 9115
BATCH #: 060915S1
CLIENT PROJECT: B20006.00 T7
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/19/2015

METHOD: SEMIVOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 3550/8270 -DRY WEIGHT
SAMPLE TYPE: SOIL
UNITS: ug/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
2-METHYLNAPHTHALENE	91-57-6	1660	ND
NAPHTHALENE	91-20-3	1660	ND
2-NITROANILINE	88-74-4	8070	ND
3-NITROANILINE	99-09-2	8070	ND
4-NITROANILINE	100-01-6	8070	ND
NITROBENZENE	98-95-3	1660	ND
N-NITROSO-DI-N-PROPYLAMINE	621-64-7	1660	ND
PHENANTHRENE	85-01-8	1660	ND
PYRENE	129-00-0	1660	ND
1,2,4-TRICHLOROBENZENE	120-82-1	1660	ND
ACID EXTRACTABLES			
4-CHLORO-3-METHYLPHENOL	59-50-7	3330	ND
2-CHLOROPHENOL	95-57-8	3330	ND
2,4-DICHLOROPHENOL	120-83-2	3330	ND
2,4-DIMETHYLPHENOL	105-67-9	3330	ND
2,4-DINITROPHENOL	51-28-5	8070	ND
4,6-DINITRO-2-METHYLPHENOL	534-52-1	8070	ND
2-NITROPHENOL	88-75-5	8070	ND
4-NITROPHENOL	100-02-7	8070	ND
PENTACHLOROPHENOL	87-86-5	8070	ND
PHENOL	108-95-2	3330	ND
2-METHYLPHENOL	95-48-7	3330	ND
4-METHYLPHENOL	106-44-5	3330	ND
2,4,5-TRICHLOROPHENOL	95-95-4	8070	ND
2,4,6-TRICHLOROPHENOL	88-06-2	8070	ND

SURROGATE RECOVERY	%
NITROBENZENE-D5	85
2-FLUOROBIPHENYL	98
P-TERPHENYL-D14	101
PHENOL-D5	34
2-FLUOROPHENOL	40
2,4,6-TRIBROMOPHENOL	113

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-PPNG04-2.5
LAB NO: 134059
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 7:58
BATCH #: 060915S1
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/19/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: SEMIVOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 3550/8270 -DRY WEIGHT

SAMPLE TYPE: SOIL
UNITS: ug/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
ACENAPHTHENE	83-32-9	1660	ND
ACENAPHTHYLENE	208-96-8	1660	ND
ANTHRACENE	120-12-7	1660	ND
BENZO (A) ANTHRACENE	56-55-3	1660	ND
BENZO (B) FLUORANTHENE	205-99-2	1660	ND
BENZO (K) FLUORANTHENE	207-08-9	1660	ND
BENZO (A) PYRENE	50-32-8	1660	ND
BENZO (G,H,I) PERYLENE	191-24-2	1660	ND
BENZYL ALCOHOL	100-51-6	1660	ND
BUTYL BENZYL PHTHALATE	85-68-7	1660	ND
BIS (2-CHLOROETHYL) ETHER	111-44-4	1660	ND
BIS (2-CHLOROETHOXY) METHANE	111-91-1	1660	ND
BIS (2-CHLOROISOPROPYL) ETHER	108-60-1	1660	ND
BIS (2-ETHYLHEXYL) PHTHALATE	117-81-7	1660	ND
4-BROMOPHENYL PHENYL ETHER	101-55-3	1660	ND
4-CHLOROANILINE	106-47-8	1660	ND
2-CHLORONAPHTHALENE	91-58-7	1660	ND
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	1660	ND
CHRYSENE	218-01-9	1660	ND
DIBENZO (A,H) ANTHRACENE	53-70-3	1660	ND
DIBENZOFURAN	132-64-9	1660	ND
DI-N-BUTYLPHTHALATE	84-74-2	1660	ND
1,2-DICHLOROBENZENE	95-50-1	1660	ND
1,3-DICHLOROBENZENE	541-73-1	1660	ND
1,4-DICHLOROBENZENE	106-46-7	1660	ND
3,3'-DICHLOROBENZIDINE	91-94-1	3330	ND
DIETHYLPHTHALATE	84-66-2	1660	ND
DIMETHYL PHTHALATE	131-11-3	1660	ND
2,4-DINITROTOLUENE	121-14-2	1660	ND
2,6-DINITROTOLUENE	606-20-2	1660	ND
DI-N-OCTYL PHTHALATE	117-84-0	1660	ND
DIPHENYLAMINE	122-39-4	1660	ND
FLUORANTHENE	206-44-0	1660	ND
FLUORENE	86-73-7	1660	ND
HEXACHLOROBENZENE	118-74-1	1660	ND
HEXACHLOROBUTADIENE	87-68-3	1660	ND
HEXACHLOROCYCLOPENTADIENE	77-47-4	1660	ND
HEXACHLOROETHANE	67-72-1	1660	ND
INDENO (1,2,3-CD) PYRENE	193-39-5	1660	ND
ISOPHORONE	78-59-1	1660	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-PPNG04-2.5
LAB NO: 134059
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 7:58
BATCH #: 060915S1
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/19/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: SEMIVOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 3550/8270 -DRY WEIGHT

SAMPLE TYPE: SOIL
UNITS: ug/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
2-METHYLNAPHTHALENE	91-57-6	1660	ND
NAPHTHALENE	91-20-3	1660	ND
2-NITROANILINE	88-74-4	8070	ND
3-NITROANILINE	99-09-2	8070	ND
4-NITROANILINE	100-01-6	8070	ND
NITROBENZENE	98-95-3	1660	ND
N-NITROSO-DI-N-PROPYLAMINE	621-64-7	1660	ND
PHENANTHRENE	85-01-8	1660	ND
PYRENE	129-00-0	1660	ND
1,2,4-TRICHLOROBENZENE	120-82-1	1660	ND
ACID EXTRACTABLES			
4-CHLORO-3-METHYLPHENOL	59-50-7	3330	ND
2-CHLOROPHENOL	95-57-8	3330	ND
2,4-DICHLOROPHENOL	120-83-2	3330	ND
2,4-DIMETHYLPHENOL	105-67-9	3330	ND
2,4-DINITROPHENOL	51-28-5	8070	ND
4,6-DINITRO-2-METHYLPHENOL	534-52-1	8070	ND
2-NITROPHENOL	88-75-5	8070	ND
4-NITROPHENOL	100-02-7	8070	ND
PENTACHLOROPHENOL	87-86-5	8070	ND
PHENOL	108-95-2	3330	ND
2-METHYLPHENOL	95-48-7	3330	ND
4-METHYLPHENOL	106-44-5	3330	ND
2,4,5-TRICHLOROPHENOL	95-95-4	8070	ND
2,4,6-TRICHLOROPHENOL	88-06-2	8070	ND

SURROGATE RECOVERY	%
NITROBENZENE-D5	77
2-FLUOROBIPHENYL	88
P-TERPHENYL-D14	100
PHENOL-D5	25
2-FLUOROPHENOL	34
2,4,6-TRIBROMOPHENOL	68

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: CW
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-SW01-7.0
LAB NO: 134060
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 15:54
K PRIME PROJECT: 9115 **BATCH #:** 060915S1
CLIENT PROJECT: B20006.00 T7 **DATE EXTRACTED:** 06/18/2015
DATE ANALYZED: 06/19/2015

METHOD: SEMIVOLATILE ORGANIC COMPOUNDS **SAMPLE TYPE:** SOIL
REFERENCE: EPA 3550/8270 -DRY WEIGHT **UNITS:** ug/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
ACENAPHTHENE	83-32-9	333	ND
ACENAPHTHYLENE	208-96-8	333	ND
ANTHRACENE	120-12-7	333	ND
BENZO (A) ANTHRACENE	56-55-3	333	ND
BENZO (B) FLUORANTHENE	205-99-2	333	ND
BENZO (K) FLUORANTHENE	207-08-9	333	ND
BENZO (A) PYRENE	50-32-8	333	ND
BENZO (G,H,I) PERYLENE	191-24-2	333	ND
BENZYL ALCOHOL	100-51-6	333	ND
BUTYL BENZYL PHTHALATE	85-68-7	333	ND
BIS (2-CHLOROETHYL) ETHER	111-44-4	333	ND
BIS (2-CHLOROETHOXY) METHANE	111-91-1	333	ND
BIS (2-CHLOROISOPROPYL) ETHER	108-60-1	333	ND
BIS (2-ETHYLHEXYL) PHTHALATE	117-81-7	333	ND
4-BROMOPHENYL PHENYL ETHER	101-55-3	333	ND
4-CHLOROANILINE	106-47-8	333	ND
2-CHLORONAPHTHALENE	91-58-7	333	ND
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	333	ND
CHRYSENE	218-01-9	333	ND
DIBENZO (A,H) ANTHRACENE	53-70-3	333	ND
DIBENZOFURAN	132-64-9	333	ND
DI-N-BUTYLPHTHALATE	84-74-2	333	ND
1,2-DICHLOROBENZENE	95-50-1	333	ND
1,3-DICHLOROBENZENE	541-73-1	333	ND
1,4-DICHLOROBENZENE	106-46-7	333	ND
3,3'-DICHLOROBENZIDINE	91-94-1	666	ND
DIETHYLPHTHALATE	84-66-2	333	ND
DIMETHYL PHTHALATE	131-11-3	333	ND
2,4-DINITROTOLUENE	121-14-2	333	ND
2,6-DINITROTOLUENE	606-20-2	333	ND
DI-N-OCTYL PHTHALATE	117-84-0	333	ND
DIPHENYLAMINE	122-39-4	333	ND
FLUORANTHENE	206-44-0	333	ND
FLUORENE	86-73-7	333	ND
HEXACHLOROBENZENE	118-74-1	333	ND
HEXACHLOROBUTADIENE	87-68-3	333	ND
HEXACHLOROCYCLOPENTADIENE	77-47-4	333	ND
HEXACHLOROETHANE	67-72-1	333	ND
INDENO (1,2,3-CD) PYRENE	193-39-5	333	ND
ISOPHORONE	78-59-1	333	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-SW01-7.0
LAB NO: 134060
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 15:54
K PRIME PROJECT: 9115
BATCH #: 060915S1
CLIENT PROJECT: B20006.00 T7
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/19/2015

METHOD: SEMIVOLATILE ORGANIC COMPOUNDS **SAMPLE TYPE:** SOIL
REFERENCE: EPA 3550/8270 -DRY WEIGHT **UNITS:** ug/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
2-METHYLNAPHTHALENE	91-57-6	333	ND
NAPHTHALENE	91-20-3	333	ND
2-NITROANILINE	88-74-4	1610	ND
3-NITROANILINE	99-09-2	1610	ND
4-NITROANILINE	100-01-6	1610	ND
NITROBENZENE	98-95-3	333	ND
N-NITROSO-DI-N-PROPYLAMINE	621-64-7	333	ND
PHENANTHRENE	85-01-8	333	ND
PYRENE	129-00-0	333	ND
1,2,4-TRICHLOROBENZENE	120-82-1	333	ND
ACID EXTRACTABLES			
4-CHLORO-3-METHYLPHENOL	59-50-7	666	ND
2-CHLOROPHENOL	95-57-8	666	ND
2,4-DICHLOROPHENOL	120-83-2	666	ND
2,4-DIMETHYLPHENOL	105-67-9	666	ND
2,4-DINITROPHENOL	51-28-5	1610	ND
4,6-DINITRO-2-METHYLPHENOL	534-52-1	1610	ND
2-NITROPHENOL	88-75-5	1610	ND
4-NITROPHENOL	100-02-7	1610	ND
PENTACHLOROPHENOL	87-86-5	1610	ND
PHENOL	108-95-2	666	ND
2-METHYLPHENOL	95-48-7	666	ND
4-METHYLPHENOL	106-44-5	666	ND
2,4,5-TRICHLOROPHENOL	95-95-4	1610	ND
2,4,6-TRICHLOROPHENOL	88-06-2	1610	ND

SURROGATE RECOVERY	%
NITROBENZENE-D5	79
2-FLUOROBIPHENYL	112
P-TERPHENYL-D14	93
PHENOL-D5	31
2-FLUOROPHENOL	35
2,4,6-TRIBROMOPHENOL	53

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-SW02-7.0
LAB NO: 134061
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 16:40
K PRIME PROJECT: 9115
BATCH #: 060915S1
CLIENT PROJECT: B20006.00 T7
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/19/2015

METHOD: SEMIVOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 3550/8270 -DRY WEIGHT
SAMPLE TYPE: SOIL
UNITS: ug/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
ACENAPHTHENE	83-32-9	333	ND
ACENAPHTHYLENE	208-96-8	333	ND
ANTHRACENE	120-12-7	333	ND
BENZO (A) ANTHRACENE	56-55-3	333	ND
BENZO (B) FLUORANTHENE	205-99-2	333	ND
BENZO (K) FLUORANTHENE	207-08-9	333	ND
BENZO (A) PYRENE	50-32-8	333	ND
BENZO (G,H,I) PERYLENE	191-24-2	333	ND
BENZYL ALCOHOL	100-51-6	333	ND
BUTYL BENZYL PHTHALATE	85-68-7	333	ND
BIS (2-CHLOROETHYL) ETHER	111-44-4	333	ND
BIS (2-CHLOROETHOXY) METHANE	111-91-1	333	ND
BIS (2-CHLOROISOPROPYL) ETHER	108-60-1	333	ND
BIS (2-ETHYLHEXYL) PHTHALATE	117-81-7	333	ND
4-BROMOPHENYL PHENYL ETHER	101-55-3	333	ND
4-CHLOROANILINE	106-47-8	333	ND
2-CHLORONAPHTHALENE	91-58-7	333	ND
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	333	ND
CHRYSENE	218-01-9	333	ND
DIBENZO (A,H) ANTHRACENE	53-70-3	333	ND
DIBENZOFURAN	132-64-9	333	ND
DI-N-BUTYLPHTHALATE	84-74-2	333	ND
1,2-DICHLOROBENZENE	95-50-1	333	ND
1,3-DICHLOROBENZENE	541-73-1	333	ND
1,4-DICHLOROBENZENE	106-46-7	333	ND
3,3'-DICHLOROBENZIDINE	91-94-1	665	ND
DIETHYLPHTHALATE	84-66-2	333	ND
DIMETHYL PHTHALATE	131-11-3	333	ND
2,4-DINITROTOLUENE	121-14-2	333	ND
2,6-DINITROTOLUENE	606-20-2	333	ND
DI-N-OCTYL PHTHALATE	117-84-0	333	ND
DIPHENYLAMINE	122-39-4	333	ND
FLUORANTHENE	206-44-0	333	ND
FLUORENE	86-73-7	333	ND
HEXACHLOROBENZENE	118-74-1	333	ND
HEXACHLOROBUTADIENE	87-68-3	333	ND
HEXACHLOROCYCLOPENTADIENE	77-47-4	333	ND
HEXACHLOROETHANE	67-72-1	333	ND
INDENO (1,2,3-CD) PYRENE	193-39-5	333	ND
ISOPHORONE	78-59-1	333	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-SW02-7.0
LAB NO: 134061
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 16:40
K PRIME PROJECT: 9115
BATCH #: 060915S1
CLIENT PROJECT: B20006.00 T7
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/19/2015

METHOD: SEMIVOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 3550/8270 -DRY WEIGHT
SAMPLE TYPE: SOIL
UNITS: ug/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
2-METHYLNAPHTHALENE	91-57-6	333	ND
NAPHTHALENE	91-20-3	333	ND
2-NITROANILINE	88-74-4	1610	ND
3-NITROANILINE	99-09-2	1610	ND
4-NITROANILINE	100-01-6	1610	ND
NITROBENZENE	98-95-3	333	ND
N-NITROSO-DI-N-PROPYLAMINE	621-64-7	333	ND
PHENANTHRENE	85-01-8	333	ND
PYRENE	129-00-0	333	ND
1,2,4-TRICHLOROBENZENE	120-82-1	333	ND
ACID EXTRACTABLES			
4-CHLORO-3-METHYLPHENOL	59-50-7	665	ND
2-CHLOROPHENOL	95-57-8	665	ND
2,4-DICHLOROPHENOL	120-83-2	665	ND
2,4-DIMETHYLPHENOL	105-67-9	665	ND
2,4-DINITROPHENOL	51-28-5	1610	ND
4,6-DINITRO-2-METHYLPHENOL	534-52-1	1610	ND
2-NITROPHENOL	88-75-5	1610	ND
4-NITROPHENOL	100-02-7	1610	ND
PENTACHLOROPHENOL	87-86-5	1610	ND
PHENOL	108-95-2	665	ND
2-METHYLPHENOL	95-48-7	665	ND
4-METHYLPHENOL	106-44-5	665	ND
2,4,5-TRICHLOROPHENOL	95-95-4	1610	ND
2,4,6-TRICHLOROPHENOL	88-06-2	1610	ND

SURROGATE RECOVERY	%
NITROBENZENE-D5	73
2-FLUOROBIPHENYL	79
P-TERPHENYL-D14	98
PHENOL-D5	33
2-FLUOROPHENOL	36
2,4,6-TRIBROMOPHENOL	52

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: _____
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-SW03-7.0
LAB NO: 134062
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 16:16
K PRIME PROJECT: 9115
BATCH #: 060915S1
CLIENT PROJECT: B20006.00 T7
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/19/2015

METHOD: SEMIVOLATILE ORGANIC COMPOUNDS **SAMPLE TYPE:** SOIL
REFERENCE: EPA 3550/8270 -DRY WEIGHT **UNITS:** ug/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
ACENAPHTHENE	83-32-9	333	ND
ACENAPHTHYLENE	208-96-8	333	ND
ANTHRACENE	120-12-7	333	ND
BENZO (A) ANTHRACENE	56-55-3	333	ND
BENZO (B) FLUORANTHENE	205-99-2	333	ND
BENZO (K) FLUORANTHENE	207-08-9	333	ND
BENZO (A) PYRENE	50-32-8	333	ND
BENZO (G,H,I) PERYLENE	191-24-2	333	ND
BENZYL ALCOHOL	100-51-6	333	ND
BUTYL BENZYL PHTHALATE	85-68-7	333	ND
BIS (2-CHLOROETHYL) ETHER	111-44-4	333	ND
BIS (2-CHLOROETHOXY) METHANE	111-91-1	333	ND
BIS (2-CHLOROISOPROPYL) ETHER	108-60-1	333	ND
BIS (2-ETHYLHEXYL) PHTHALATE	117-81-7	333	ND
4-BROMOPHENYL PHENYL ETHER	101-55-3	333	ND
4-CHLOROANILINE	106-47-8	333	ND
2-CHLORONAPHTHALENE	91-58-7	333	ND
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	333	ND
CHRYSENE	218-01-9	333	ND
DIBENZO (A,H) ANTHRACENE	53-70-3	333	ND
DIBENZOFURAN	132-64-9	333	ND
DI-N-BUTYLPHTHALATE	84-74-2	333	ND
1,2-DICHLOROBENZENE	95-50-1	333	ND
1,3-DICHLOROBENZENE	541-73-1	333	ND
1,4-DICHLOROBENZENE	106-46-7	333	ND
3,3'-DICHLOROBENZIDINE	91-94-1	666	ND
DIETHYLPHTHALATE	84-66-2	333	ND
DIMETHYL PHTHALATE	131-11-3	333	ND
2,4-DINITROTOLUENE	121-14-2	333	ND
2,6-DINITROTOLUENE	606-20-2	333	ND
DI-N-OCTYL PHTHALATE	117-84-0	333	ND
DIPHENYLAMINE	122-39-4	333	ND
FLUORANTHENE	206-44-0	333	ND
FLUORENE	86-73-7	333	1390
HEXACHLOROBENZENE	118-74-1	333	ND
HEXACHLOROBUTADIENE	87-68-3	333	ND
HEXACHLOROCYCLOPENTADIENE	77-47-4	333	ND
HEXACHLOROETHANE	67-72-1	333	ND
INDENO (1,2,3-CD) PYRENE	193-39-5	333	ND
ISOPHORONE	78-59-1	333	ND

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

SAMPLE ID: HUST-SW03-7.0
LAB NO: 134062
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 16:16
BATCH #: 060915S1
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/19/2015

METHOD: SEMIVOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 3550/8270 -DRY WEIGHT

SAMPLE TYPE: SOIL
UNITS: ug/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
2-METHYLNAPHTHALENE	91-57-6	333	8280
NAPHTHALENE	91-20-3	333	2150
2-NITROANILINE	88-74-4	1610	ND
3-NITROANILINE	99-09-2	1610	ND
4-NITROANILINE	100-01-6	1610	ND
NITROBENZENE	98-95-3	333	ND
N-NITROSO-DI-N-PROPYLAMINE	621-64-7	333	ND
PHENANTHRENE	85-01-8	333	2070
PYRENE	129-00-0	333	ND
1,2,4-TRICHLOROBENZENE	120-82-1	333	ND
ACID EXTRACTABLES			
4-CHLORO-3-METHYLPHENOL	59-50-7	666	ND
2-CHLOROPHENOL	95-57-8	666	ND
2,4-DICHLOROPHENOL	120-83-2	666	ND
2,4-DIMETHYLPHENOL	105-67-9	666	ND
2,4-DINITROPHENOL	51-28-5	1610	ND
4,6-DINITRO-2-METHYLPHENOL	534-52-1	1610	ND
2-NITROPHENOL	88-75-5	1610	ND
4-NITROPHENOL	100-02-7	1610	ND
PENTACHLOROPHENOL	87-86-5	1610	ND
PHENOL	108-95-2	666	ND
2-METHYLPHENOL	95-48-7	666	ND
4-METHYLPHENOL	106-44-5	666	ND
2,4,5-TRICHLOROPHENOL	95-95-4	1610	ND
2,4,6-TRICHLOROPHENOL	88-06-2	1610	ND

SURROGATE RECOVERY	%
NITROBENZENE-D5	72
2-FLUOROBIPHENYL	114
P-TERPHENYL-D14	100
PHENOL-D5	29
2-FLUOROPHENOL	37
2,4,6-TRIBROMOPHENOL	65

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

SAMPLE ID: HUST-SW04-7.0
LAB NO: 134063
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 15:58
BATCH #: 060915S1
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/19/2015

METHOD: SEMIVOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 3550/8270 -DRY WEIGHT

SAMPLE TYPE: SOIL
UNITS: ug/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
ACENAPHTHENE	83-32-9	333	ND
ACENAPHTHYLENE	208-96-8	333	ND
ANTHRACENE	120-12-7	333	2040
BENZO (A) ANTHRACENE	56-55-3	333	ND
BENZO (B) FLUORANTHENE	205-99-2	333	ND
BENZO (K) FLUORANTHENE	207-08-9	333	ND
BENZO (A) PYRENE	50-32-8	333	ND
BENZO (G,H,I) PERYLENE	191-24-2	333	ND
BENZYL ALCOHOL	100-51-6	333	ND
BUTYL BENZYL PHTHALATE	85-68-7	333	ND
BIS (2-CHLOROETHYL) ETHER	111-44-4	333	ND
BIS (2-CHLOROETHOXY) METHANE	111-91-1	333	ND
BIS (2-CHLOROISOPROPYL) ETHER	108-60-1	333	ND
BIS (2-ETHYLHEXYL) PHTHALATE	117-81-7	333	ND
4-BROMOPHENYL PHENYL ETHER	101-55-3	333	ND
4-CHLOROANILINE	106-47-8	333	ND
2-CHLORONAPHTHALENE	91-58-7	333	ND
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	333	ND
CHRYSENE	218-01-9	333	ND
DIBENZO (A,H) ANTHRACENE	53-70-3	333	ND
DIBENZOFURAN	132-64-9	333	ND
DI-N-BUTYLPHTHALATE	84-74-2	333	ND
1,2-DICHLOROBENZENE	95-50-1	333	ND
1,3-DICHLOROBENZENE	541-73-1	333	ND
1,4-DICHLOROBENZENE	106-46-7	333	ND
3,3'-DICHLOROBENZIDINE	91-94-1	666	ND
DIETHYLPHTHALATE	84-66-2	333	ND
DIMETHYL PHTHALATE	131-11-3	333	ND
2,4-DINITROTOLUENE	121-14-2	333	ND
2,6-DINITROTOLUENE	606-20-2	333	ND
DI-N-OCTYL PHTHALATE	117-84-0	333	ND
DIPHENYLAMINE	122-39-4	333	ND
FLUORANTHENE	206-44-0	333	ND
FLUORENE	86-73-7	333	1350
HEXACHLOROBENZENE	118-74-1	333	ND
HEXACHLOROBUTADIENE	87-68-3	333	ND
HEXACHLOROCYCLOPENTADIENE	77-47-4	333	ND
HEXACHLOROETHANE	67-72-1	333	ND
INDENO (1,2,3-CD) PYRENE	193-39-5	333	ND
ISOPHORONE	78-59-1	333	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-SW04-7.0
LAB NO: 134063
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 15:58
K PRIME PROJECT: 9115 **BATCH #:** 060915S1
CLIENT PROJECT: B20006.00 T7 **DATE EXTRACTED:** 06/18/2015
DATE ANALYZED: 06/19/2015

METHOD: SEMIVOLATILE ORGANIC COMPOUNDS **SAMPLE TYPE:** SOIL
REFERENCE: EPA 3550/8270 -DRY WEIGHT **UNITS:** ug/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
2-METHYLNAPHTHALENE	91-57-6	333	ND
NAPHTHALENE	91-20-3	333	ND
2-NITROANILINE	88-74-4	1610	ND
3-NITROANILINE	99-09-2	1610	ND
4-NITROANILINE	100-01-6	1610	ND
NITROBENZENE	98-95-3	333	ND
N-NITROSO-DI-N-PROPYLAMINE	621-64-7	333	ND
PHENANTHRENE	85-01-8	333	1240
PYRENE	129-00-0	333	ND
1,2,4-TRICHLOROBENZENE	120-82-1	333	ND
ACID EXTRACTABLES			
4-CHLORO-3-METHYLPHENOL	59-50-7	666	ND
2-CHLOROPHENOL	95-57-8	666	ND
2,4-DICHLOROPHENOL	120-83-2	666	ND
2,4-DIMETHYLPHENOL	105-67-9	666	ND
2,4-DINITROPHENOL	51-28-5	1610	ND
4,6-DINITRO-2-METHYLPHENOL	534-52-1	1610	ND
2-NITROPHENOL	88-75-5	1610	ND
4-NITROPHENOL	100-02-7	1610	ND
PENTACHLOROPHENOL	87-86-5	1610	ND
PHENOL	108-95-2	666	ND
2-METHYLPHENOL	95-48-7	666	ND
4-METHYLPHENOL	106-44-5	666	ND
2,4,5-TRICHLOROPHENOL	95-95-4	1610	ND
2,4,6-TRICHLOROPHENOL	88-06-2	1610	ND

SURROGATE RECOVERY	%
NITROBENZENE-D5	79
2-FLUOROBIPHENYL	75
P-TERPHENYL-D14	89
PHENOL-D5	34
2-FLUOROPHENOL	37
2,4,6-TRIBROMOPHENOL	52

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: cw
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

SAMPLE ID: HUST-F01-9.5
LAB NO: 134064
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 15:30
BATCH #: 060915S1
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/19/2015

METHOD: SEMIVOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 3550/8270 -DRY WEIGHT

SAMPLE TYPE: SOIL
UNITS: ug/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
ACENAPHTHENE	83-32-9	333	ND
ACENAPHTHYLENE	208-96-8	333	ND
ANTHRACENE	120-12-7	333	ND
BENZO (A) ANTHRACENE	56-55-3	333	ND
BENZO (B) FLUORANTHENE	205-99-2	333	ND
BENZO (K) FLUORANTHENE	207-08-9	333	ND
BENZO (A) PYRENE	50-32-8	333	ND
BENZO (G,H,I) PERYLENE	191-24-2	333	ND
BENZYL ALCOHOL	100-51-6	333	ND
BUTYL BENZYL PHTHALATE	85-68-7	333	ND
BIS (2-CHLOROETHYL) ETHER	111-44-4	333	ND
BIS (2-CHLOROETHOXY) METHANE	111-91-1	333	ND
BIS (2-CHLOROISOPROPYL) ETHER	108-60-1	333	ND
BIS (2-ETHYLHEXYL) PHTHALATE	117-81-7	333	ND
4-BROMOPHENYL PHENYL ETHER	101-55-3	333	ND
4-CHLOROANILINE	106-47-8	333	ND
2-CHLORONAPHTHALENE	91-58-7	333	ND
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	333	ND
CHRYSENE	218-01-9	333	ND
DIBENZO (A,H) ANTHRACENE	53-70-3	333	ND
DIBENZOFURAN	132-64-9	333	ND
DI-N-BUTYLPHTHALATE	84-74-2	333	ND
1,2-DICHLOROBENZENE	95-50-1	333	ND
1,3-DICHLOROBENZENE	541-73-1	333	ND
1,4-DICHLOROBENZENE	106-46-7	333	ND
3,3'-DICHLOROBENZIDINE	91-94-1	666	ND
DIETHYLPHTHALATE	84-66-2	333	ND
DIMETHYL PHTHALATE	131-11-3	333	ND
2,4-DINITROTOLUENE	121-14-2	333	ND
2,6-DINITROTOLUENE	606-20-2	333	ND
DI-N-OCTYL PHTHALATE	117-84-0	333	ND
DIPHENYLAMINE	122-39-4	333	ND
FLUORANTHENE	206-44-0	333	ND
FLUORENE	86-73-7	333	ND
HEXACHLOROBENZENE	118-74-1	333	ND
HEXACHLOROBUTADIENE	87-68-3	333	ND
HEXACHLOROCYCLOPENTADIENE	77-47-4	333	ND
HEXACHLOROETHANE	67-72-1	333	ND
INDENO (1,2,3-CD) PYRENE	193-39-5	333	ND
ISOPHORONE	78-59-1	333	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-F01-9.5
LAB NO: 134064
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 15:30
BATCH #: 060915S1
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/19/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: SEMIVOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 3550/8270 -DRY WEIGHT

SAMPLE TYPE: SOIL
UNITS: ug/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
2-METHYLNAPHTHALENE	91-57-6	333	ND
NAPHTHALENE	91-20-3	333	ND
2-NITROANILINE	88-74-4	1610	ND
3-NITROANILINE	99-09-2	1610	ND
4-NITROANILINE	100-01-6	1610	ND
NITROBENZENE	98-95-3	333	ND
N-NITROSO-DI-N-PROPYLAMINE	621-64-7	333	ND
PHENANTHRENE	85-01-8	333	ND
PYRENE	129-00-0	333	ND
1,2,4-TRICHLOROBENZENE	120-82-1	333	ND
ACID EXTRACTABLES			
4-CHLORO-3-METHYLPHENOL	59-50-7	666	ND
2-CHLOROPHENOL	95-57-8	666	ND
2,4-DICHLOROPHENOL	120-83-2	666	ND
2,4-DIMETHYLPHENOL	105-67-9	666	ND
2,4-DINITROPHENOL	51-28-5	1610	ND
4,6-DINITRO-2-METHYLPHENOL	534-52-1	1610	ND
2-NITROPHENOL	88-75-5	1610	ND
4-NITROPHENOL	100-02-7	1610	ND
PENTACHLOROPHENOL	87-86-5	1610	ND
PHENOL	108-95-2	666	ND
2-METHYLPHENOL	95-48-7	666	ND
4-METHYLPHENOL	106-44-5	666	ND
2,4,5-TRICHLOROPHENOL	95-95-4	1610	ND
2,4,6-TRICHLOROPHENOL	88-06-2	1610	ND

SURROGATE RECOVERY	%
NITROBENZENE-D5	74
2-FLUOROBIPHENYL	90
P-TERPHENYL-D14	101
PHENOL-D5	34
2-FLUOROPHENOL	36
2,4,6-TRIBROMOPHENOL	38

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-F02-9.5
LAB NO: 134065
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 15:15
BATCH #: 060915S1
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/19/2015

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: SEMIVOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 3550/8270 -DRY WEIGHT

SAMPLE TYPE: SOIL
UNITS: ug/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
ACENAPHTHENE	83-32-9	333	ND
ACENAPHTHYLENE	208-96-8	333	ND
ANTHRACENE	120-12-7	333	ND
BENZO (A) ANTHRACENE	56-55-3	333	ND
BENZO (B) FLUORANTHENE	205-99-2	333	ND
BENZO (K) FLUORANTHENE	207-08-9	333	ND
BENZO (A) PYRENE	50-32-8	333	ND
BENZO (G,H,I) PERYLENE	191-24-2	333	ND
BENZYL ALCOHOL	100-51-6	333	ND
BUTYL BENZYL PHTHALATE	85-68-7	333	ND
BIS (2-CHLOROETHYL) ETHER	111-44-4	333	ND
BIS (2-CHLOROETHOXY) METHANE	111-91-1	333	ND
BIS (2-CHLOROISOPROPYL) ETHER	108-60-1	333	ND
BIS (2-ETHYLHEXYL) PHTHALATE	117-81-7	333	ND
4-BROMOPHENYL PHENYL ETHER	101-55-3	333	ND
4-CHLOROANILINE	106-47-8	333	ND
2-CHLORONAPHTHALENE	91-58-7	333	ND
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	333	ND
CHRYSENE	218-01-9	333	ND
DIBENZO (A,H) ANTHRACENE	53-70-3	333	ND
DIBENZOFURAN	132-64-9	333	ND
DI-N-BUTYLPHTHALATE	84-74-2	333	ND
1,2-DICHLOROBENZENE	95-50-1	333	ND
1,3-DICHLOROBENZENE	541-73-1	333	ND
1,4-DICHLOROBENZENE	106-46-7	333	ND
3,3'-DICHLOROBENZIDINE	91-94-1	666	ND
DIETHYLPHTHALATE	84-66-2	333	ND
DIMETHYL PHTHALATE	131-11-3	333	ND
2,4-DINITROTOLUENE	121-14-2	333	ND
2,6-DINITROTOLUENE	606-20-2	333	ND
DI-N-OCTYL PHTHALATE	117-84-0	333	ND
DIPHENYLAMINE	122-39-4	333	ND
FLUORANTHENE	206-44-0	333	ND
FLUORENE	86-73-7	333	ND
HEXACHLOROBENZENE	118-74-1	333	ND
HEXACHLOROBUTADIENE	87-68-3	333	ND
HEXACHLOROCYCLOPENTADIENE	77-47-4	333	ND
HEXACHLOROETHANE	67-72-1	333	ND
INDENO (1,2,3-CD) PYRENE	193-39-5	333	ND
ISOPHORONE	78-59-1	333	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: HUST-F02-9.5
LAB NO: 134065
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 15:15
K PRIME PROJECT: 9115
BATCH #: 060915S1
CLIENT PROJECT: B20006.00 T7
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/19/2015

METHOD: SEMIVOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 3550/8270 -DRY WEIGHT
SAMPLE TYPE: SOIL
UNITS: ug/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
2-METHYLNAPHTHALENE	91-57-6	333	ND
NAPHTHALENE	91-20-3	333	ND
2-NITROANILINE	88-74-4	1610	ND
3-NITROANILINE	99-09-2	1610	ND
4-NITROANILINE	100-01-6	1610	ND
NITROBENZENE	98-95-3	333	ND
N-NITROSO-DI-N-PROPYLAMINE	621-64-7	333	ND
PHENANTHRENE	85-01-8	333	ND
PYRENE	129-00-0	333	ND
1,2,4-TRICHLOROBENZENE	120-82-1	333	ND
ACID EXTRACTABLES			
4-CHLORO-3-METHYLPHENOL	59-50-7	666	ND
2-CHLOROPHENOL	95-57-8	666	ND
2,4-DICHLOROPHENOL	120-83-2	666	ND
2,4-DIMETHYLPHENOL	105-67-9	666	ND
2,4-DINITROPHENOL	51-28-5	1610	ND
4,6-DINITRO-2-METHYLPHENOL	534-52-1	1610	ND
2-NITROPHENOL	88-75-5	1610	ND
4-NITROPHENOL	100-02-7	1610	ND
PENTACHLOROPHENOL	87-86-5	1610	ND
PHENOL	108-95-2	666	ND
2-METHYLPHENOL	95-48-7	666	ND
4-METHYLPHENOL	106-44-5	666	ND
2,4,5-TRICHLOROPHENOL	95-95-4	1610	ND
2,4,6-TRICHLOROPHENOL	88-06-2	1610	ND

SURROGATE RECOVERY	%
NITROBENZENE-D5	74
2-FLUOROBIPHENYL	83
P-TERPHENYL-D14	105
PHENOL-D5	32
2-FLUOROPHENOL	33
2,4,6-TRIBROMOPHENOL	40

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.

LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: TOTAL METALS BY ICP/MS
REFERENCE: EPA 3050B/6020A

SAMPLE ID: HUST-PPNG01-2.5
LAB NO: 134056
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 7:50
BATCH ID: 061815S1

SAMPLE TYPE: SOIL
UNITS: mg/Kg dry weight

ELEMENT NAME		DATE ANALYZED	REPORTING LIMIT	SAMPLE CONC
CADMIUM	Cd	06/19/2015	3.14	ND
CHROMIUM	Cr	06/19/2015	3.14	27.8
LEAD	Pb	06/19/2015	3.14	10.1
NICKEL	Ni	06/19/2015	3.14	35.6
ZINC	Zn	06/19/2015	3.14	43.3

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: CW
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: TOTAL METALS BY ICP/MS
REFERENCE: EPA 3050B/6020A

SAMPLE ID: HUST-PPNG02-2.0
LAB NO: 134057
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 7:52
BATCH ID: 061815S1

SAMPLE TYPE: SOIL
UNITS: mg/Kg dry weight

ELEMENT NAME		DATE ANALYZED	REPORTING LIMIT	SAMPLE CONC
CADMIUM	Cd	06/19/2015	2.92	3.16
CHROMIUM	Cr	06/19/2015	2.92	31.1
LEAD	Pb	06/19/2015	2.92	46.1
NICKEL	Ni	06/19/2015	2.92	47.6
ZINC	Zn	06/19/2015	2.92	971

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: _____
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: TOTAL METALS BY ICP/MS
REFERENCE: EPA 3050B/6020A

SAMPLE ID: HUST-PPNG03-2.0
LAB NO: 134058
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 7:55
BATCH ID: 061815S1

SAMPLE TYPE: SOIL
UNITS: mg/Kg dry weight

ELEMENT NAME		DATE ANALYZED	REPORTING LIMIT	SAMPLE CONC
CADMIUM	Cd	06/19/2015	2.92	ND
CHROMIUM	Cr	06/19/2015	2.92	37.8
LEAD	Pb	06/19/2015	2.92	37.2
NICKEL	Ni	06/19/2015	2.92	53.4
ZINC	Zn	06/19/2015	2.92	134

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: _____
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: TOTAL METALS BY ICP/MS
REFERENCE: EPA 3050B/6020A

SAMPLE ID: HUST-PPNG04-2.5
LAB NO: 134059
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 7:58
BATCH ID: 061815S1

SAMPLE TYPE: SOIL
UNITS: mg/Kg dry weight

ELEMENT NAME		DATE ANALYZED	REPORTING LIMIT	SAMPLE CONC
CADMIUM	Cd	06/19/2015	2.85	6.82
CHROMIUM	Cr	06/19/2015	2.85	29.1
LEAD	Pb	06/19/2015	2.85	121
NICKEL	Ni	06/19/2015	2.85	190
ZINC	Zn	06/19/2015	2.85	2620

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: CH
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: TOTAL METALS BY ICP/MS
REFERENCE: EPA 3050B/6020A

SAMPLE ID: HUST-SW01-7.0
LAB NO: 134060
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 15:54
BATCH ID: 061815S1

SAMPLE TYPE: SOIL
UNITS: mg/Kg dry weight

ELEMENT NAME		DATE ANALYZED	REPORTING LIMIT	SAMPLE CONC
CADMIUM	Cd	06/19/2015	2.94	ND
CHROMIUM	Cr	06/19/2015	2.94	32.0
LEAD	Pb	06/19/2015	2.94	6.13
NICKEL	Ni	06/19/2015	2.94	34.5
ZINC	Zn	06/19/2015	2.94	35.4

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: CH
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: TOTAL METALS BY ICP/MS
REFERENCE: EPA 3050B/6020A

SAMPLE ID: HUST-SW02-7.0
LAB NO: 134061
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 16:40
BATCH ID: 061815S1

SAMPLE TYPE: SOIL
UNITS: mg/Kg dry weight

ELEMENT NAME		DATE ANALYZED	REPORTING LIMIT	SAMPLE CONC
CADMIUM	Cd	06/19/2015	3.13	7.97
CHROMIUM	Cr	06/19/2015	3.13	36.0
LEAD	Pb	06/19/2015	3.13	15.8
NICKEL	Ni	06/19/2015	3.13	38.5
ZINC	Zn	06/19/2015	3.13	84.2

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: TOTAL METALS BY ICP/MS
REFERENCE: EPA 3050B/6020A

SAMPLE ID: HUST-SW03-7.0
LAB NO: 134062
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 16:16
BATCH ID: 061815S1

SAMPLE TYPE: SOIL
UNITS: mg/Kg dry weight

ELEMENT NAME		DATE ANALYZED	REPORTING LIMIT	SAMPLE CONC
CADMIUM	Cd	06/19/2015	2.71	ND
CHROMIUM	Cr	06/19/2015	2.71	32.2
LEAD	Pb	06/19/2015	2.71	26.1
NICKEL	Ni	06/19/2015	2.71	37.7
ZINC	Zn	06/19/2015	2.71	53.1

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: TOTAL METALS BY ICP/MS
REFERENCE: EPA 3050B/6020A

SAMPLE ID: HUST-SW04-7.0
LAB NO: 134063
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 15:58
BATCH ID: 061815S1

SAMPLE TYPE: SOIL
UNITS: mg/Kg dry weight

ELEMENT NAME		DATE ANALYZED	REPORTING LIMIT	SAMPLE CONC
CADMIUM	Cd	06/19/2015	2.92	ND
CHROMIUM	Cr	06/19/2015	2.92	31.3
LEAD	Pb	06/19/2015	2.92	5.37
NICKEL	Ni	06/19/2015	2.92	25.7
ZINC	Zn	06/19/2015	2.92	31.2

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: CW
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: TOTAL METALS BY ICP/MS
REFERENCE: EPA 3050B/6020A

SAMPLE ID: HUST-F01-9.5
LAB NO: 134064
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 15:30
BATCH ID: 061815S1

SAMPLE TYPE: SOIL
UNITS: mg/Kg dry weight

ELEMENT NAME		DATE ANALYZED	REPORTING LIMIT	SAMPLE CONC
CADMIUM	Cd	06/19/2015	3.01	ND
CHROMIUM	Cr	06/19/2015	3.01	42.7
LEAD	Pb	06/19/2015	3.01	7.39
NICKEL	Ni	06/19/2015	3.01	58.1
ZINC	Zn	06/19/2015	3.01	66.1

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.

LABORATORY REPORT

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

METHOD: TOTAL METALS BY ICP/MS
REFERENCE: EPA 3050B/6020A

SAMPLE ID: HUST-F02-9.5
LAB NO: 134065
DATE SAMPLED: 06/17/2015
TIME SAMPLED: 15:15
BATCH ID: 061815S1

SAMPLE TYPE: SOIL
UNITS: mg/Kg dry weight

ELEMENT NAME		DATE ANALYZED	REPORTING LIMIT	SAMPLE CONC
CADMIUM	Cd	06/19/2015	2.96	ND
CHROMIUM	Cr	06/19/2015	2.96	45.6
LEAD	Pb	06/19/2015	2.96	8.54
NICKEL	Ni	06/19/2015	2.96	56.1
ZINC	Zn	06/19/2015	2.96	65.3

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

APPROVED BY: ch
DATE: 6/25/2015

K PRIME, INC.
LABORATORY REPORT

METHOD: PERCENT MOISTURE
REFERENCE: ASTM D 2216-05

K PRIME PROJECT: 9115
CLIENT PROJECT: B20006.00 T7

SAMPLE TYPE: SOIL
UNITS: %

SAMPLE ID	LAB ID #	DATE SAMPLED	TIME SAMPLED	BATCH ID	DATE ANALYZED	MRL	SAMPLE CONC
HUST-PPNG01-2.5	134056	6/17/2015	7:50	061815S1	6/19/2015	0.100	20.3
HUST-PPNG02-2.0	134057	6/17/2015	7:52	061815S1	6/19/2015	0.100	14.5
HUST-PPNG03-2.0	134058	6/17/2015	7:55	061815S1	6/19/2015	0.100	15.0
HUST-PPNG04-2.5	134059	6/17/2015	7:58	061815S1	6/19/2015	0.100	12.4
HUST-SW01-7.0	134060	6/17/2015	15:54	061815S1	6/19/2015	0.100	15.1
HUST-SW02-7.0	134061	6/17/2015	16:40	061815S1	6/19/2015	0.100	20.2
HUST-SW03-7.0	134062	6/17/2015	16:16	061815S1	6/19/2015	0.100	7.61
HUST-SW04-7.0	134063	6/17/2015	15:58	061815S1	6/19/2015	0.100	14.4
HUST-F01-9.5	134064	6/17/2015	15:30	061815S1	6/19/2015	0.100	16.9
HUST-F02-9.5	134065	6/17/2015	15:15	061815S1	6/19/2015	0.100	15.4

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE
MRL - METHOD REPORTING LIMIT

APPROVED BY: _____
DATE: 6/25/2015

K PRIME, INC.

LABORATORY QUALITY CONTROL REPORT

METHOD: GRO-GASOLINE RANGE ORGANICS
REFERENCE: EPA 8015B

METHOD BLANK ID: B061015S1
SAMPLE TYPE: SOIL

BATCH #: 061015S1
DATE EXTRACTED: 06/10/2015
DATE ANALYZED: 06/10/2015

UNITS: mg/kg

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
TPH-G	1.00	ND

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

SAMPLE ID: L061015S1
DUPLICATE ID: D061015S1
BATCH #: 061015S1
SAMPLE TYPE: SOIL
UNITS: mg/kg

DATE EXTRACTED: 06/10/2015
DATE ANALYZED: 06/10/2015

ACCURACY (MATRIX SPIKE)

PARAMETER	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
TPH-G	5.00	ND	5.09	102	60-140

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
TPH-G	1.00	5.09	4.92	3.2	±20

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

K PRIME, INC.

LABORATORY METHOD BLANK REPORT **METHOD BLANK ID:** B062215S1

BATCH #: 062215S1
DATE ANALYZED: 06/22/2015

METHOD: VOLATILE ORGANIC COMPOUNDS **SAMPLE TYPE:** SOIL
REFERENCE: EPA 5035/8260 **UNITS:** µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DICHLORODIFLUOROMETHANE	75-71-8	1.50	ND
CHLOROMETHANE	74-87-3	1.50	ND
VINYL CHLORIDE	75-01-4	1.50	ND
BROMOMETHANE	74-83-9	1.50	ND
CHLOROETHANE	75-00-3	1.50	ND
TRICHLOROFLUOROMETHANE	75-69-4	1.50	ND
1,1-DICHLOROETHENE	75-35-4	1.50	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	1.50	ND
METHYLENE CHLORIDE	75-09-2	7.50	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	1.50	ND
1,1-DICHLOROETHANE	75-34-3	1.50	ND
CIS-1,2-DICHLOROETHENE	156-59-2	1.50	ND
2,2-DICHLOROPROPANE	594-20-7	1.50	ND
BROMOCHLOROMETHANE	74-97-5	1.50	ND
CHLOROFORM	67-66-3	1.50	ND
1,1,1-TRICHLOROETHANE	71-55-6	1.50	ND
CARBON TETRACHLORIDE	56-23-5	1.50	ND
1,1-DICHLOROPROPENE	563-58-6	1.50	ND
BENZENE	71-43-2	1.50	ND
1,2-DICHLOROETHANE	107-06-2	1.50	ND
TRICHLOROETHENE	79-01-6	1.50	ND
1,2-DICHLOROPROPANE	78-87-5	1.50	ND
DIBROMOMETHANE	74-95-3	1.50	ND
BROMODICHLOROMETHANE	75-27-4	1.50	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	1.50	ND
TOLUENE	108-88-3	1.50	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	1.50	ND
1,1,2-TRICHLOROETHANE	79-00-5	1.50	ND
TETRACHLOROETHENE	127-18-4	1.50	ND
1,3-DICHLOROPROPANE	142-28-9	1.50	ND
DIBROMOCHLOROMETHANE	124-48-1	1.50	ND
1,2-DIBROMOETHANE	106-93-4	1.50	ND
CHLOROBENZENE	108-90-7	1.50	ND
1,1,1,2-TETRACHLOROETHANE	630-20-6	1.50	ND
ETHYLBENZENE	100-41-4	1.50	ND
XYLENE (M+P)	1330-20-7	1.50	ND
XYLENE (O)	1330-20-7	1.50	ND
STYRENE	100-42-5	1.50	ND
BROMOFORM	75-25-2	1.50	ND
ISOPROPYLBENZENE	98-82-8	1.50	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	1.50	ND
BROMOBENZENE	108-86-1	1.50	ND
1,2,3-TRICHLOROPROPANE	96-18-4	1.50	ND
N-PROPYLBENZENE	103-65-1	1.50	ND
2-CHLOROTOLUENE	95-49-8	1.50	ND

K PRIME, INC.

LABORATORY METHOD BLANK REPORT **METHOD BLANK ID:** B062215S1

BATCH #: 062215S1
DATE ANALYZED: 06/22/2015

METHOD: VOLATILE ORGANIC COMPOUNDS **SAMPLE TYPE:** SOIL
REFERENCE: EPA 5035/8260 **UNITS:** µg/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
1,3,5-TRIMETHYLBENZENE	108-67-8	1.50	ND
4-CHLOROTOLUENE	106-43-4	1.50	ND
TERT-BUTYLBENZENE	98-06-6	1.50	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	1.50	ND
SEC-BUTYLBENZENE	135-98-8	1.50	ND
1,3-DICHLOROBENZENE	541-73-1	1.50	ND
4-ISOPROPYLTOLUENE	99-87-6	1.50	ND
1,4-DICHLOROBENZENE	106-46-7	1.50	ND
N-BUTYLBENZENE	104-51-8	1.50	ND
1,2-DICHLOROBENZENE	95-50-1	1.50	ND
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	1.50	ND
1,2,4-TRICHLOROBENZENE	120-82-1	3.00	ND
HEXACHLOROBUTADIENE	87-68-3	3.00	ND
NAPHTHALENE	91-20-3	3.00	ND
1,2,3-TRICHLOROBENZENE	87-61-6	3.00	ND
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	1.50	ND

SURROGATE RECOVERY	%
DIBROMOFLUOROMETHANE	103
TOLUENE-D8	115
4-BROMOFLUOROBENZENE	97

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA -NOT APPLICABLE OR AVAILABLE

K PRIME, INC.

LABORATORY QC REPORT

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 5035/8260

SAMPLE ID: B062215S1
SPIKE ID: L062215S1
DUPLICATE ID: D062215S1
BATCH #: 062215S1
SAMPLE TYPE: SOIL
UNITS: µg/Kg

ACCURACY (MATRIX SPIKE)

PARAMETER	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
1,1 DICHLOROETHENE	30.0	ND	24.3	81	60-140
BENZENE	30.0	ND	21.6	72	60-140
TRICHLOROETHENE	30.0	ND	20.9	70	60-140
TOLUENE	30.0	ND	23.7	79	60-140
CHLOROBENZENE	30.0	ND	26.3	88	60-140

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
1,1 DICHLOROETHENE	1.50	24.3	25.3	3.9	±20
BENZENE	1.50	21.6	22.7	5.0	±20
TRICHLOROETHENE	1.50	20.9	21.6	3.3	±20
TOLUENE	1.50	23.7	24.6	3.7	±20
CHLOROBENZENE	1.50	26.3	26.7	1.5	±20

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

K PRIME, INC.
LABORATORY QUALITY CONTROL REPORT

BATCH ID: 061815S1
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/18/2015

METHOD: DRO
REFERENCE: EPA 8015B

SAMPLE TYPE: SOIL
UNITS: mg/Kg

METHOD BLANK ID: B061815S1

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
DRO	10.0	ND

SAMPLE ID: L061815S1
DUPLICATE ID: D061815S1

ACCURACY (MATRIX SPIKE)

PARAMETER	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
DRO	500	ND	438	88	60-140

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
DRO	10.0	438	410	6.7	±20

NOTES:
DRO - DIESEL RANGE ORGANICS (C12-C34)
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

K PRIME, INC.
LABORATORY QUALITY CONTROL REPORT

METHOD BLANK ID: B061815S1
BATCH #: 061815S1
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/18/2015

METHOD: DRO
REFERENCE: EPA 8015B

SAMPLE TYPE: SOIL
UNITS: mg/Kg

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
DRO	10.0	ND

SAMPLE ID: MS134056
DUPLICATE ID: MSD134056

ACCURACY (MATRIX SPIKE)

PARAMETER	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
DRO	500	344	689	69	60-140

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
DRO	10.0	689	706	2.5	±20

NOTES:
DRO - DIESEL RANGE ORGANICS (C12-C34)
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

K PRIME, INC.
LABORATORY QC REPORT

METHOD BLANK ID: B061815S1
BATCH #: 061815S1
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/18/2015

METHOD: POLYCHLORINATED BIPHENYLS
REFERENCE: EPA 3550/8082

SAMPLE TYPE: SOIL
UNITS: ug/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
AROCLOR 1016	12674-11-2	25.0	ND
AROCLOR 1221	11104-28-2	25.0	ND
AROCLOR 1232	11141-16-5	25.0	ND
AROCLOR 1242	53469-21-9	25.0	ND
AROCLOR 1248	12672-29-6	25.0	ND
AROCLOR 1254	11097-69-1	25.0	ND
AROCLOR 1260	11096-82-5	25.0	ND

SURROGATE RECOVERY	%
TCMX	79
DCBP	92

NOTES:
ND - NOT DETECTED ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

K PRIME, INC.
LABORATORY QC REPORT

SAMPLE ID: L061815S1
DUPLICATE ID: D061815S1
BATCH #: 061815S1
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/18/2015

METHOD: POLYCHLORINATED BIPHENYLS
REFERENCE: EPA 3550/8082

SAMPLE TYPE: SOIL
UNITS: ug/Kg

ACCURACY (MATRIX SPIKE)

PARAMETER	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
AROCLOR 1260	625	ND	538	86	60-140

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
AROCLOR 1260	25.0	538	526	2.3	±20

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

K PRIME, INC.
LABORATORY QC REPORT

SAMPLE ID: MS-134057
DUPLICATE ID: MSD-134057
BATCH #: 061815S1
DATE EXTRACTED: 06/18/2015
DATE ANALYZED: 06/18/2015

METHOD: POLYCHLORINATED BIPHENYLS
REFERENCE: EPA 3550C/8082A

SAMPLE TYPE: SOIL
UNITS: ug/Kg

ACCURACY (MATRIX SPIKE)

PARAMETER	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
AROCLOR 1260	625	26.2	526	80	60-140

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
AROCLOR 1260	25.0	526	549	4.3	±20

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

K PRIME, INC.
LABORATORY QC REPORT

METHOD BLANK ID: B060915S1
BATCH #: 060915S1
DATE EXTRACTED: 06/09/2015
DATE ANALYZED: 06/09/2015

METHOD: SEMIVOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 3550/8270

SAMPLE TYPE: SOIL
UNITS: ug/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
ACENAPHTHENE	83-32-9	330	ND
ACENAPHTHYLENE	208-96-8	330	ND
ANTHRACENE	120-12-7	330	ND
BENZO (A) ANTHRACENE	56-55-3	330	ND
BENZO (B) FLUORANTHENE	205-99-2	330	ND
BENZO (K) FLUORANTHENE	207-08-9	330	ND
BENZO (A) PYRENE	50-32-8	330	ND
BENZO (G,H,I) PERYLENE	191-24-2	330	ND
BENZYL ALCOHOL	100-51-6	330	ND
BUTYL BENZYL PHTHALATE	85-68-7	330	ND
BIS (2-CHLOROETHYL) ETHER	111-44-4	330	ND
BIS (2-CHLOROETHOXY) METHANE	111-91-1	330	ND
BIS (2-CHLOROISOPROPYL) ETHER	108-60-1	330	ND
BIS (2-ETHYLHEXYL) PHTHALATE	117-81-7	330	ND
4-BROMOPHENYL PHENYL ETHER	101-55-3	330	ND
4-CHLOROANILINE	106-47-8	330	ND
2-CHLORONAPHTHALENE	91-58-7	330	ND
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	330	ND
CHRYSENE	218-01-9	330	ND
DIBENZO (A,H) ANTHRACENE	53-70-3	330	ND
DIBENZOFURAN	132-64-9	330	ND
DI-N-BUTYLPHTHALATE	84-74-2	330	ND
1,2-DICHLOROBENZENE	95-50-1	330	ND
1,3-DICHLOROBENZENE	541-73-1	330	ND
1,4-DICHLOROBENZENE	106-46-7	330	ND
3,3'-DICHLOROBENZIDINE	91-94-1	660	ND
DIETHYLPHTHALATE	84-66-2	330	ND
DIMETHYL PHTHALATE	131-11-3	330	ND
2,4-DINITROTOLUENE	121-14-2	330	ND
2,6-DINITROTOLUENE	606-20-2	330	ND
DI-N-OCTYL PHTHALATE	117-84-0	330	ND
FLUORANTHENE	206-44-0	330	ND
FLUORENE	86-73-7	330	ND
HEXACHLOROBENZENE	118-74-1	330	ND
HEXACHLOROBUTADIENE	87-68-3	330	ND
HEXACHLOROCYCLOPENTADIENE	77-47-4	330	ND
HEXACHLOROETHANE	67-72-1	330	ND
INDENO (1,2,3-CD) PYRENE	193-39-5	330	ND
ISOPHORONE	78-59-1	330	ND

K PRIME, INC.
LABORATORY QC REPORT

METHOD BLANK ID: B060915S1
BATCH #: 060915S1
DATE EXTRACTED: 06/09/2015
DATE ANALYZED: 06/09/2015

METHOD: SEMIVOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 3550/8270

SAMPLE TYPE: SOIL
UNITS: ug/Kg

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
2-METHYLNAPHTHALENE	91-57-6	330	ND
NAPHTHALENE	91-20-3	330	ND
2-NITROANILINE	88-74-4	1600	ND
3-NITROANILINE	99-09-2	1600	ND
4-NITROANILINE	100-01-6	1600	ND
NITROBENZENE	98-95-3	330	ND
N-NITROSO-DI-N-PROPYLAMINE	621-64-7	330	ND
N-NITROSODIPHENYLAMINE	86-30-6	330	ND
PHENANTHRENE	85-01-8	330	ND
PYRENE	129-00-0	330	ND
1,2,4-TRICHLOROBENZENE	120-82-1	330	ND
ACID EXTRACTABLES			
4-CHLORO-3-METHYLPHENOL	59-50-7	660	ND
2-CHLOROPHENOL	95-57-8	660	ND
2,4-DICHLOROPHENOL	120-83-2	660	ND
2,4-DIMETHYLPHENOL	105-67-9	660	ND
2,4-DINITROPHENOL	51-28-5	1600	ND
4,6-DINITRO-2-METHYLPHENOL	534-52-1	1600	ND
2-NITROPHENOL	88-75-5	1600	ND
4-NITROPHENOL	100-02-7	1600	ND
PENTACHLOROPHENOL	87-86-5	1600	ND
PHENOL	108-95-2	660	ND
2-METHYLPHENOL	95-48-7	660	ND
4-METHYLPHENOL	106-44-5	660	ND
2,4,5-TRICHLOROPHENOL	95-95-4	1600	ND
2,4,6-TRICHLOROPHENOL	88-06-2	1600	ND

SURROGATE RECOVERY	%
NITROBENZENE-D5	97
2-FLUOROBIPHENYL	104
P-TERPHENYL-D14	113
PHENOL-D5	44
2-FLUOROPHENOL	31
2,4,6-TRIBROMOPHENOL	49

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

K PRIME, INC.
LABORATORY QC REPORT

SAMPLE ID: L060915S1
DUPLICATE ID: D060915S1
BATCH #: 060915S1
DATE EXTRACTED: 06/09/2015
DATE ANALYZED: 06/09/2015

METHOD: SEMIVOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 3550/8270

SAMPLE TYPE: SOIL
UNITS: ug/Kg

ACCURACY (MATRIX SPIKE)

PARAMETER	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
ACENAPHTHENE	5000	ND	4570	91	47-145
1,4-DICHLOROBENZENE	5000	ND	4030	81	20-124
2,4-DINITROTOLUENE	5000	ND	4470	89	60-140
PYRENE	5000	ND	5690	114	60-140
1,2,4-TRICHLOROBENZENE	5000	ND	4510	90	60-140
4-CHLORO-3-METHYLPHENOL	10000	ND	10800	108	20-140
2-CHLOROPHENOL	10000	ND	9110	91	D-140
4-NITROPHENOL	10000	ND	10800	108	D-140
PENTACHLOROPHENOL	10000	ND	8540	85	D-140
PHENOL	10000	ND	9800	98	30-140

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
ACENAPHTHENE	330	4570	4690	2.6	±20
1,4-DICHLOROBENZENE	330	4030	3880	3.8	±20
2,4-DINITROTOLUENE	330	4470	4520	1.1	±20
PYRENE	330	5690	5680	0.2	±20
1,2,4-TRICHLOROBENZENE	330	4510	4490	0.4	±20
4-CHLORO-3-METHYLPHENOL	330	10800	10700	0.9	±20
2-CHLOROPHENOL	660	9110	8680	4.8	±20
4-NITROPHENOL	1600	10800	10900	0.9	±20
PENTACHLOROPHENOL	1600	8540	8280	3.1	±20
PHENOL	660	9800	9390	4.3	±20

NOTES:
ND = NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
D = DETECTED

K PRIME, INC.

LABORATORY BATCH QC REPORT

SAMPLE ID: L061815S1
DUPLICATE ID: D061815S1
METHOD BLANK ID: B061815S1
BATCH #: 061815S1
DATE ANALYZED: 06/19/2015

METHOD: TOTAL METALS BY ICP/MS
REFERENCE: EPA 3050B/6020A

SAMPLE TYPE: SOIL
UNITS: mg/Kg

ELEMENT		MB mg/Kg	SA mg/Kg	SR mg/Kg	SP mg/Kg	SPD mg/Kg	SP %R	RPD %
CADMIUM	Cd	<2.50	25.0	0.0	26.5	25.7	106	3.0
CHROMIUM	Cr	<2.50	25.0	0.0	26.4	25.8	106	2.5
LEAD	Pb	<2.50	25.0	0.0	26.7	25.9	107	3.0
NICKEL	Ni	<2.50	25.0	0.0	26.7	26.0	107	2.6
ZINC	Zn	<2.50	25.0	0.0	27.6	24.9	110	10.1

NOTES:
ND: NOT DETECTED
MB: METHOD BLANK
SA: SPIKE ADDED
SR: SAMPLE RESULT
SP: SPIKE RESULT
SPD: SPIKE DUPLICATE RESULT
SP(%R): SPIKE % RECOVERY
RPD: RELATIVE PERCENT DIFFERENCE

K PRIME, INC.

LABORATORY BATCH QC REPORT

SAMPLE ID: MS134056
DUPLICATE ID: SD134056
METHOD BLANK ID: B061815S1
BATCH #: 061815S1
DATE ANALYZED: 06/19/2015

METHOD: TOTAL METALS BY ICP/MS
REFERENCE: EPA 3050B/6020A

SAMPLE TYPE: SOIL
UNITS: mg/Kg

ELEMENT		MB mg/Kg	SA mg/Kg	SR mg/Kg	SP mg/Kg	SPD mg/Kg	SP %R	RPD %
CADMIUM	Cd	<2.50	25.0	0.321	26.6	26.6	105	0.1
CHROMIUM	Cr	<2.50	25.0	22.2	51.7	50.8	118	1.6
LEAD	Pb	<2.50	25.0	8.02	33.5	40.0	102	17.7
NICKEL	Ni	<2.50	25.0	28.4	55.4	54.7	108	1.3
ZINC	Zn	<2.50	25.0	34.6	64.8	66.2	121	2.1

NOTES:
ND: NOT DETECTED
MB: METHOD BLANK
SA: SPIKE ADDED
SR: SAMPLE RESULT
SP: SPIKE RESULT
SPD: SPIKE DUPLICATE RESULT
SP(%R): SPIKE % RECOVERY
RPD: RELATIVE PERCENT DIFFERENCE

K PRIME, INC.

LABORATORY BATCH QC REPORT

		BATCH ID:	061815S1
METHOD:	PERCENT MOISTURE	**SAMPLE TYPE:**	SOIL
REFERENCE:	ASTM D 2216-05	**UNITS:**	%

PRECISION (DUPLICATE)

SAMPLE ID: 134065
DUPLICATE ID: 134065DUP

ANALYTE	REPORTING LIMIT	PRIMARY RESULT	DUPLICATE RESULT	RPD (%)
% MOISTURE	0.100	15.4	15.6	1.3

NOTES:

ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT APPLICABLE
RPD - RELATIVE PERCENT DIFFERENCE

9115

Erler & Kalinowski, Inc.

CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

CONSULTING ENGINEERS AND SCIENTISTS | 1870 Ogden Drive, Burlingame CA 94010 | PHONE: 650-292-9100 | FAX: 650-552-9012

Project Name: FMW - Horton Street UST

Project No.: B20006.00 T7

Location: Emeryville, CA

Sampled By: R. Casey

Laboratory: K Prime, Inc.
3621 Westwind Blvd
Santa Rosa, CA 95403
(707) 527-7574

Reporting:
Electronic Format: EDF Hard Copy Format: PDF
EPA Data Report Level: II

Please report results to the following:
(1) **EKI:** labs@ekiconsult.com
(2) **Joy Su:** jsu@ekiconsult.com
(3) **John DeWitt:** jdewitt@ekiconsult.com
(4) **Ryan Casey:** rcasey@ekiconsult.com

EKI COC No.: 20150617-1

Revision: _____ (A, B, C, D, etc.)

Date: By:

ANALYSES REQUESTED

Method No. / Analyte Group	EPA 8260B VOCs & MTBE	EPA 8260B TPH-g	EPA 8015 TPH-d	EPA 8015 TPH-mo	EPA 6020 Metals - Cd, Cr, Pb, Ni, Zn	EPA 8082A PCBs	EPA 8270 SVOCs	ASTM-D2216 Percent Moisture	PLACE ON HOLD
Soil									

Field Sample Identification	Lab Sample No.	Date	Time	Matrix	Number / Type of Container (Preservative)	EXPECTED TURNAROUND TIME	Remarks
HUST-PPNG01-2.5	134056	6/17/15	750	Soil	4 - 5 gram Encore samplers 1 - 8 oz glass jar	5day	
HUST-PPNG02-2.0	134057		752				Per Daniel 6/18/15: Report on Dry Weight Basis. RW
HUST-PPNG03-2.0	134058		755				
HUST-PPNG04-2.5	134059		758				
HUST-SWØ1-7.0	134060		1554				
HUST-SWØ2-7.0	134061		1640				
HUST-SWØ3-7.0	134062		1616				
HUST-SWØ4-7.0	134063		1558				
HUST-FØ1-9.5	134064		1530				

Special Instructions: Temperature blank included. Silica gel cleanup should not be performed for any of the analyses. For VOCs & MTBE, perform full scan of EPA 8260B (including BTEX, MTBE, TBA, naphthalene, chlorinated hydrocarbons, and halogenated VOCs). For Metals, only analyze for Cd, Cr, Pb, Ni, and Zn. For SVOCs, include PAHs (including naphthalene, acenaphthene, acenaphthylene, anthracene, chrysene, fluorine, fluoranthene, phenanthrene, pyrene, benzo(b)fluoranthene, benzo(a)pyrene, benzo(k)fluoranthene, benzo(a)anthracene, indeno(1,2,3-c,d)pyrene, dibenz(a,b)anthracene, and benzo(g,h,i)perylene), pentachlorophenol, and creosote.

	(Signature/Affiliation)	Date	Time		(Signature/Affiliation or Carrier/Air Bill No.)
Relinquished by:	(EKI)	6/17/15	1645	Received by:	(VTC) 6/17/15 4.45
Relinquished by:	(VTC)	6/17/15	1830	Received by:	(EKI)
Relinquished by:	(Signature/Affiliation)	Date	Time	Received by:	(Signature/Affiliation)

9115

Erler & Kalinowski, Inc.
CONSULTING ENGINEERS AND SCIENTISTS

CHAIN OF CUSTODY RECORD

1870 Ogden Drive, Burlingame CA 94010 PHONE: 650-292-9100 FAX: 650-552-9012

Project Name
FMW - Horton Street UST

Project No.
B20006.00 T7

Location:
Emeryville, CA

Sampled By: R. Casey

Laboratory:
K Prime, Inc.
3621 Westwind Blvd
Santa Rosa, CA 95403
(707) 527-7574

Reporting:
Electronic Format: EDF Hard Copy Format: PDF
EPA Data Report Level: II

Please report results to the following:
(1) **EKI**: labs@ekiconsult.com
(2) **Joy Su**: jsu@ekiconsult.com
(3) **John DeWitt**: jdewitt@ekiconsult.com
(4) **Ryan Casey**: rcasey@ekiconsult.com

EKI COC No.: 20150617-1
Revision: _____ (A, B, C, D, etc.)
Date: By:

ANALYSES REQUESTED

Field Sample Identification	Lab Sample No.	Date	Time	Matrix	Number / Type of Container (Preservative)	EPA 8260B VOCs & MTBE	EPA 8260B TPH-g	EPA 8015 TPH-d	EPA 8015 TPH-mo	EPA 6020 Metals - Cd, Cr, Pb, Ni, Zn	EPA 8082A PCBs	EPA 8270 SVOCs	ASTM-D2216 Percent Moisture	PLACE ON HOLD	EXPECTED TURNAROUND TIME	Remarks
					Method No. / Analyte Group										Soil	
HUST-FP2-9.5	134065	6/17/15	1515	Soil	4 - 5 gram Encore samplers 1 - 8 oz glass jar	X	X	X	X	X	X	X	X		5 day	Per Daniel 6/18/15: Report on Dry Weight Basis. RWC

Special Instructions: Temperature blank included. Silica gel cleanup should not be performed for any of the analyses. For VOCs & MTBE, perform full scan of EPA 8260B (including BTEX, MTBE, TBA, naphthalene, chlorinated hydrocarbons, and halogenated VOCs). For Metals, only analyze for Cd, Cr, Pb, Ni, and Zn. For SVOCs, include PAHs (including naphthalene, acenaphthene, acenaphthylene, anthracene, chrysene, fluorine, fluoranthene, phenanthrene, pyrene, benzo(b)fluoranthene, benzo(a)pyrene, benzo(k)fluoranthene, benzo(a)anthracene, indeno(1,2,3-c,d)pyrene, dibenz(a,b)anthracene, and benzo(g,h,i)perylene), pentachlorophenol, and creosote.

	(Signature/Affiliation)	Date	Time		(Signature/Affiliation or Carrier/Air Bill No.)
Relinquished by:	(EKI)	6/18/15	1645	Received by: (VTC)	6/17/15 4YJ
Relinquished by:	(VTC)	6/17/15	1830	Received by:	
Relinquished by:	(Signature/Affiliation)	Date	Time	Received by:	(Signature/Affiliation)


Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 267568
ANALYTICAL REPORT

Erler & Kalinowski, Inc.	Project : B20006.00 T7
1870 Ogden Drive	Location : FMW - Horton Street UST
Burlingame, CA 94010-5306	Level : II

Sample ID	Lab ID
HUST-DISP	267568-001

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: Tracy Babjar Date: 06/19/2015

Tracy Babjar
Project Manager
tracy.babjar@ctberk.com
(510) 204-2226

CA ELAP# 2896, NELAP# 4044-001

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**267568**
Client:	**Erler & Kalinowski, Inc.**
Project:	**B20006.00 T7**
Location:	**FMW - Horton Street UST**
Request Date:	**06/17/15**
Samples Received:	**06/17/15**

This data package contains sample and QC results for one soil sample, requested for the above referenced project on 06/17/15. The sample was received cold and intact. This report has been re-processed and re-reported on 06/22/15 with slight changes to the BSD% recovery and RPD for Hg. The data results have not changed.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Metals (EPA 6020 and EPA 7471A):
Low recoveries were observed for cobalt, antimony, and vanadium in the MS/MSD for batch 224208; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPDs were within limits. High RPD was observed for lead; the RPD was acceptable in the BS/BSD. No other analytical problems were encountered.

267568

Erler & Kalinowski, Inc.
CONSULTING ENGINEERS AND SCIENTISTS

CHAIN OF CUSTODY RECORD

1870 Ogden Drive, Burlingame CA 94010 PHONE: 650-292-9100 FAX: 650-552-9012

PAGE 1 OF 1

Project Name: FMW - Horton Street UST
Project No.: B20006.00 T7
Location: Emeryville, CA
Sampled By: R. Casey & W. Hassett
Laboratory: Curtis & Tompkins, Ltd.
2323 Fifth St.
Berkeley, CA 94710
(510) 486-0900
attn: Tracy Babjar

Reporting:
Electronic Format: Hard Copy Format: PDF
EPA Data Report Level: II
Please report results to the following people:
(1) **EKI:** labs@ekiconsult.com
(2) **Joy Su:** jsu@ekiconsult.com
(3) **John DeWitt:** jdewitt@ekiconsult.com
(4) **Ryan Casey:** rcasey@ekiconsult.com

EKI COC No.: (YYYYMMDD-#) 20150617-3

Revision: _____ (A, B, C, D, etc.)
Date: By:

Field Sample Identification	Lab Sample No.	Date	Time	Matrix	No./Type of Containers	Method No.: Analyte Group	EPA 8260B TPH-g	EPA 8015m TPH-d	EPA 8015m TPH-mo	EPA 8260B VOCs	EPA 6020 Title 22 Metals			WET Extract and HOLD	HOLD	EXPECTED TURN-AROUND TIME	Remarks
HUST-DISP		6/17/15	1700	Soil	6 EnCores & 8oz jar		X	X	X	X	X			X		2day	

Special Instructions:
Please begin WET extraction on sample arrival, but hold on final results.

Relinquished by: Will Hassett	(Signature/Affiliation) EKI	Date 6/17/15	Time 1741	**Received by:** (Signature/Affiliation or Carrier/Air Bill No.) CT 6/17 1741
Relinquished by:	(Signature/Affiliation)	Date	Time	**Received by:** (Signature/Affiliation)
Relinquished by:	(Signature/Affiliation)	Date	Time	**Received by:** (Signature/Affiliation)

COC_2015-06-12.xlsx

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 267548 Date Received 6/17/15 Number of coolers 1

Client EKI Project B20006.00 T2

Date Opened 6/17 By (print) SG (sign) [signature]

Date Logged in 6/17 By (print) TJ (sign) [signature]

1. Did cooler come with a shipping slip (airbill, etc) ______ YES **NO** (circled)

   Shipping info ______

2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☒ NO

   How many ______ Name ______ Date ______

2B. Were custody seals intact upon arrival? ______ YES NO **N/A** (circled)

3. Were custody papers dry and intact when received? ______ **YES** (circled) NO

4. Were custody papers filled out properly (ink, signed, etc)? ______ **YES** (circled) NO

5. Is the project identifiable from custody papers? (If so fill out top of form) ______ **YES** (circled) NO

6. Indicate the packing in cooler: (if other, describe) Packing Paper

☒ Bubble Wrap	☐ Foam blocks	☐ Bags	☐ None
☐ Cloth material	☐ Cardboard	☐ Styrofoam	☐ Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

   Type of ice used: ☐ Wet ☐ Blue/Gel ☒ None Temp(°C) ______

   ☐ Samples Received on ice & cold without a temperature blank; temp. taken with IR gun

   ☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? ______ **YES** (circled) NO (scribbled) 3L

   If YES, what time were they transferred to freezer? 1800

9. Did all bottles arrive unbroken/unopened? ______ **YES** (circled) NO

10. Are there any missing / extra samples? ______ YES **NO** (circled)

11. Are samples in the appropriate containers for indicated tests? ______ **YES** (circled) NO

12. Are sample labels present, in good condition and complete? ______ **YES** (circled) NO

13. Do the sample labels agree with custody papers? ______ **YES** (circled) NO

14. Was sufficient amount of sample sent for tests requested? ______ **YES** (circled) NO

15. Are the samples appropriately preserved? ______ YES NO **N/A** (circled)

16. Did you check preservatives for all bottles for each sample? ______ YES NO **N/A** (circled)

17. Did you document your preservative check? ______ YES NO **N/A** (circled)

18. Did you change the hold time in LIMS for unpreserved VOAs? ______ YES NO **N/A** (circled)

19. Did you change the hold time in LIMS for preserved terracores? ______ YES NO **N/A** (circled)

20. Are bubbles > 6mm absent in VOA samples? ______ YES NO **N/A** (circled)

21. Was the client contacted concerning this sample delivery? ______ YES **NO** (circled)

    If YES, Who was called? Richard By T. Dubon Date: 6/18/15

COMMENTS

Please do silica gel on TEH on samples

Rev 10, 9/12

Curtis & Tompkins, Ltd.

Detections Summary for 267568

Results for any subcontracted analyses are not included in this summary.

Client : Erler & Kalinowski, Inc.
Project : B20006.00 T7
Location : FMW - Horton Street UST

Client Sample ID : HUST-DISP Laboratory Sample ID : 267568-001

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Gasoline C7-C12	2.3	Y	0.16	mg/Kg	As Recd	1.000	EPA 8015B	EPA 5035
Diesel C10-C24	2,600		20	mg/Kg	As Recd	20.00	EPA 8015B	EPA 3550B
Motor Oil C24-C36	790		100	mg/Kg	As Recd	20.00	EPA 8015B	EPA 3550B
Acetone	16		16	ug/Kg	As Recd	0.7862	EPA 8260B	EPA 5035
m,p-Xylenes	5.9		4.0	ug/Kg	As Recd	0.8013	EPA 8260B	EPA 5035
1,2,4-Trimethylbenzene	13		4.0	ug/Kg	As Recd	0.8013	EPA 8260B	EPA 5035
Naphthalene	56		4.0	ug/Kg	As Recd	0.8013	EPA 8260B	EPA 5035
Antimony	2.0		0.25	mg/Kg	As Recd	25.00	EPA 6020	EPA 3050B
Arsenic	4.8		0.25	mg/Kg	As Recd	25.00	EPA 6020	EPA 3050B
Barium	160		0.25	mg/Kg	As Recd	25.00	EPA 6020	EPA 3050B
Beryllium	0.47		0.25	mg/Kg	As Recd	25.00	EPA 6020	EPA 3050B
Cadmium	1.3		0.25	mg/Kg	As Recd	25.00	EPA 6020	EPA 3050B
Chromium	42		0.25	mg/Kg	As Recd	25.00	EPA 6020	EPA 3050B
Cobalt	11		0.25	mg/Kg	As Recd	25.00	EPA 6020	EPA 3050B
Copper	72		0.25	mg/Kg	As Recd	25.00	EPA 6020	EPA 3050B
Lead	40		0.25	mg/Kg	As Recd	25.00	EPA 6020	EPA 3050B
Mercury	0.28		0.016	mg/Kg	As Recd	1.000	EPA 7471A	METHOD
Molybdenum	0.77		0.25	mg/Kg	As Recd	25.00	EPA 6020	EPA 3050B
Nickel	45		0.25	mg/Kg	As Recd	25.00	EPA 6020	EPA 3050B
Selenium	0.26		0.25	mg/Kg	As Recd	25.00	EPA 6020	EPA 3050B
Vanadium	33		0.25	mg/Kg	As Recd	25.00	EPA 6020	EPA 3050B
Zinc	110		0.99	mg/Kg	As Recd	25.00	EPA 6020	EPA 3050B

Y = Sample exhibits chromatographic pattern which does not resemble standard

Curtis & Tompkins, Ltd.

Gasoline by GC/FID (5035 Prep)

Lab #:	267568	Location:	FMW - Horton Street UST
Client:	Erler & Kalinowski, Inc.	Prep:	EPA 5035
Project#:	B20006.00 T7	Analysis:	EPA 8015B
Field ID:	HUST-DISP	Batch#:	224229
Matrix:	Soil	Sampled:	06/17/15
Units:	mg/Kg	Received:	06/17/15
Basis:	as received	Analyzed:	06/18/15
Diln Fac:	1.000		

Type: SAMPLE Lab ID: 267568-001

Analyte	Result	RL
Gasoline C7-C12	2.3 Y	0.16

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	124	78-138

Type: BLANK Lab ID: QC792191

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	124	78-138

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/FID (5035 Prep)

Lab #:	267568	Location:	FMW - Horton Street UST
Client:	Erler & Kalinowski, Inc.	Prep:	EPA 5035
Project#:	B20006.00 T7	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC792190	Batch#:	224229
Matrix:	Soil	Analyzed:	06/18/15
Units:	mg/Kg		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1.000	0.9997	100	80-121

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	112	78-138

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/FID (5035 Prep)

Lab #:	267568	Location:	FMW - Horton Street UST
Client:	Erler & Kalinowski, Inc.	Prep:	EPA 5030B
Project#:	B20006.00 T7	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	267535-004	Batch#:	224229
Matrix:	Soil	Sampled:	06/16/15
Units:	mg/Kg	Received:	06/16/15
Basis:	as received	Analyzed:	06/18/15

Type: MS Lab ID: QC792192

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<0.07872	9.524	8.555	90	50-120

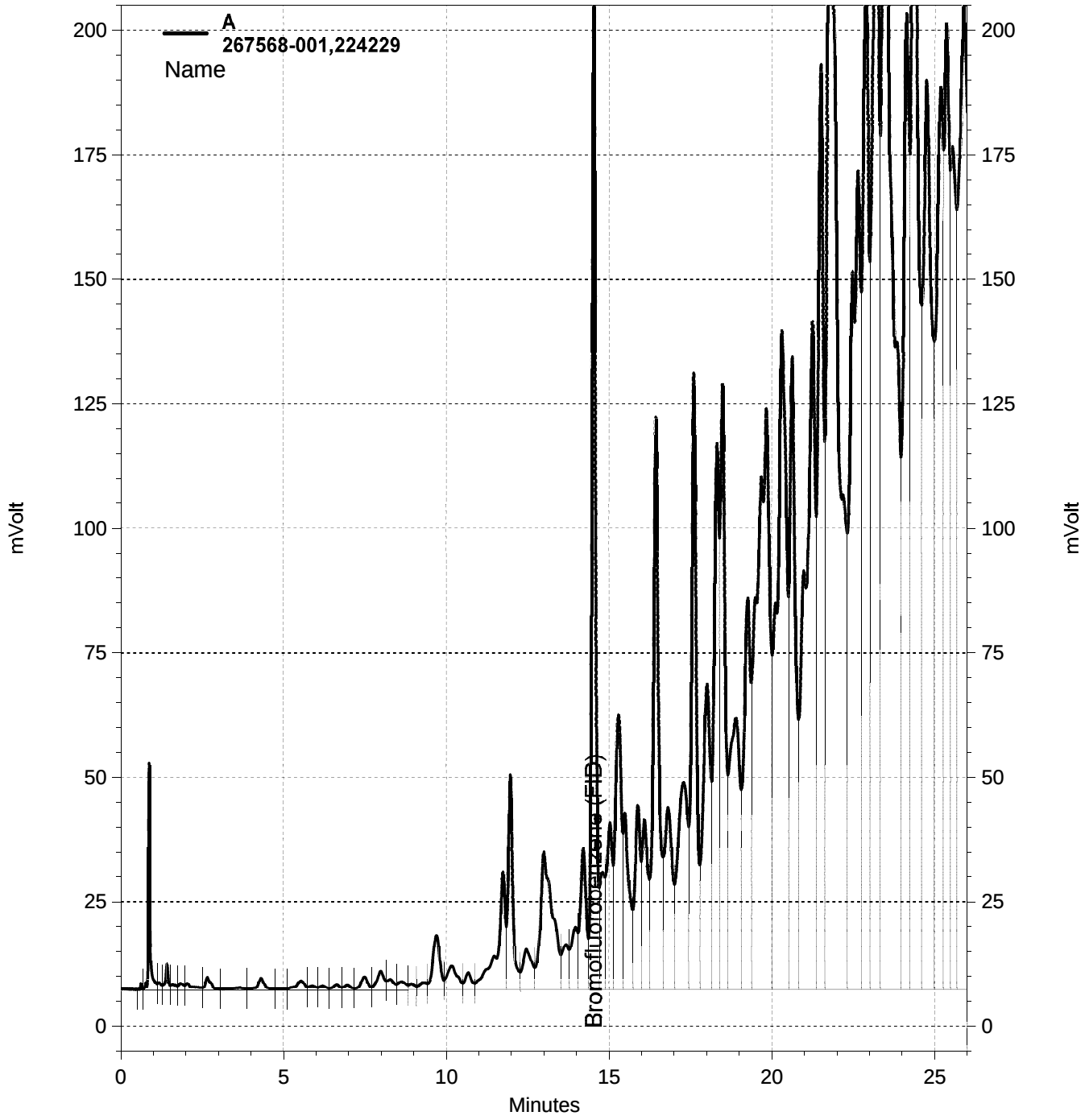
Surrogate	%REC	Limits
Bromofluorobenzene (FID)	115	78-138

Type: MSD Lab ID: QC792193

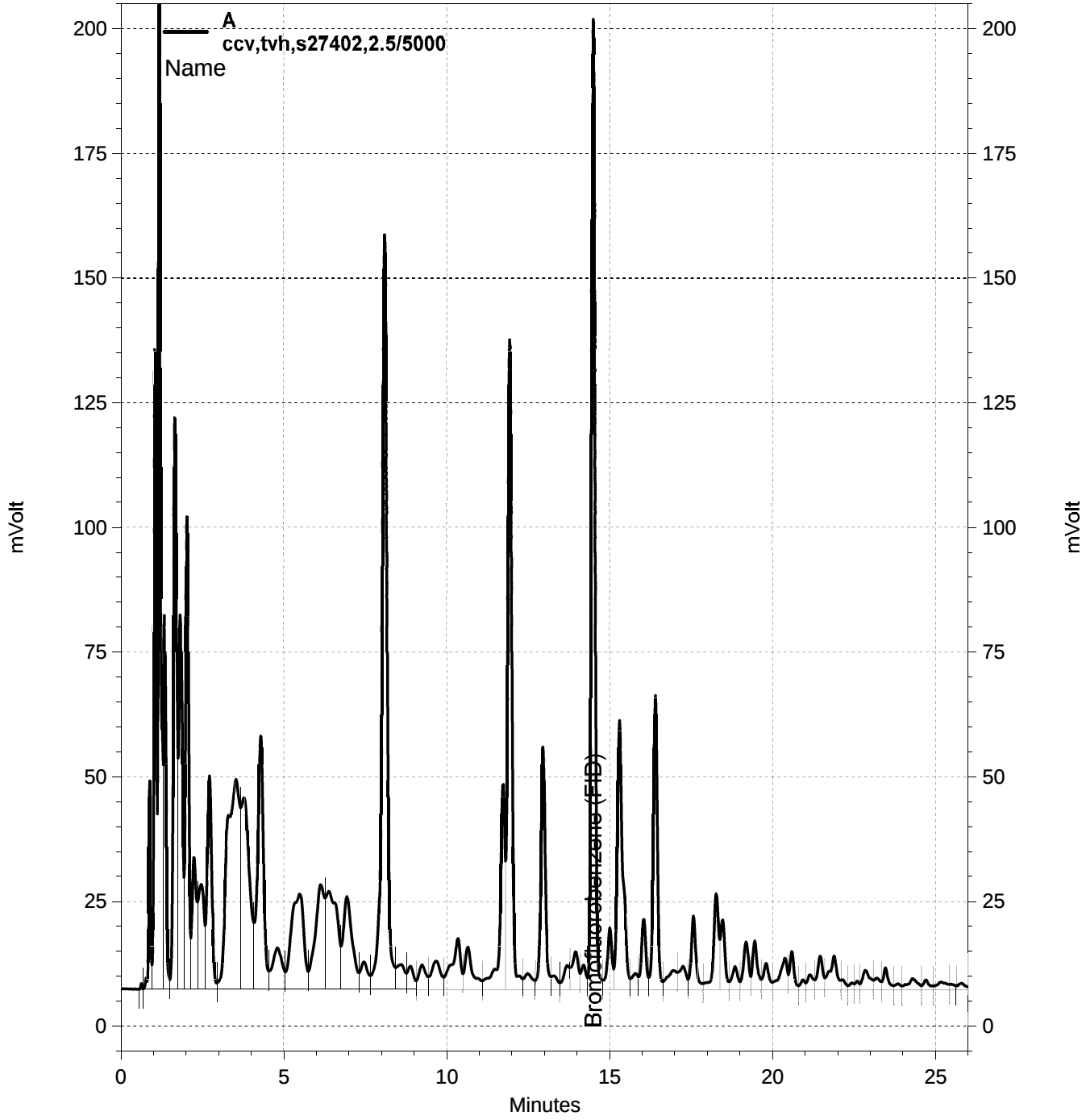
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.10	8.406	83	50-120	8	31

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	127	78-138

RPD= Relative Percent Difference



\\Lims\gdrive\ezchrom\Projects\GC19\Data\169-015, A



\\Lims\gdrive\ezchrom\Projects\GC19\Data\169-003, A

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	267568	Location:	FMW - Horton Street UST
Client:	Erler & Kalinowski, Inc.	Prep:	EPA 3550B
Project#:	B20006.00 T7	Analysis:	EPA 8015B
Field ID:	HUST-DISP	Batch#:	224243
Matrix:	Soil	Sampled:	06/17/15
Units:	mg/Kg	Received:	06/17/15
Basis:	as received	Prepared:	06/18/15

Type:	SAMPLE	Analyzed:	06/19/15
Lab ID:	267568-001	Cleanup Method:	EPA 3630C
Diln Fac:	20.00		

Analyte	Result	RL
Diesel C10-C24	2,600	20
Motor Oil C24-C36	790	100

Surrogate	%REC	Limits
o-Terphenyl	DO	59-140

Type:	BLANK	Analyzed:	06/18/15
Lab ID:	QC792233	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
o-Terphenyl	106	59-140

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	267568	Location:	FMW - Horton Street UST
Client:	Erler & Kalinowski, Inc.	Prep:	EPA 3550B
Project#:	B20006.00 T7	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC792234	Batch#:	224243
Matrix:	Soil	Prepared:	06/18/15
Units:	mg/Kg	Analyzed:	06/18/15

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.85	53.40	107	58-137

Surrogate	%REC	Limits
o-Terphenyl	119	59-140

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	267568	Location:	FMW - Horton Street UST
Client:	Erler & Kalinowski, Inc.	Prep:	EPA 3550B
Project#:	B20006.00 T7	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	224243
MSS Lab ID:	267505-035	Sampled:	06/15/15
Matrix:	Soil	Received:	06/15/15
Units:	mg/Kg	Prepared:	06/18/15
Basis:	as received	Analyzed:	06/18/15
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3630C
Lab ID: QC792235

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	2.719	50.47	43.06	80	46-154

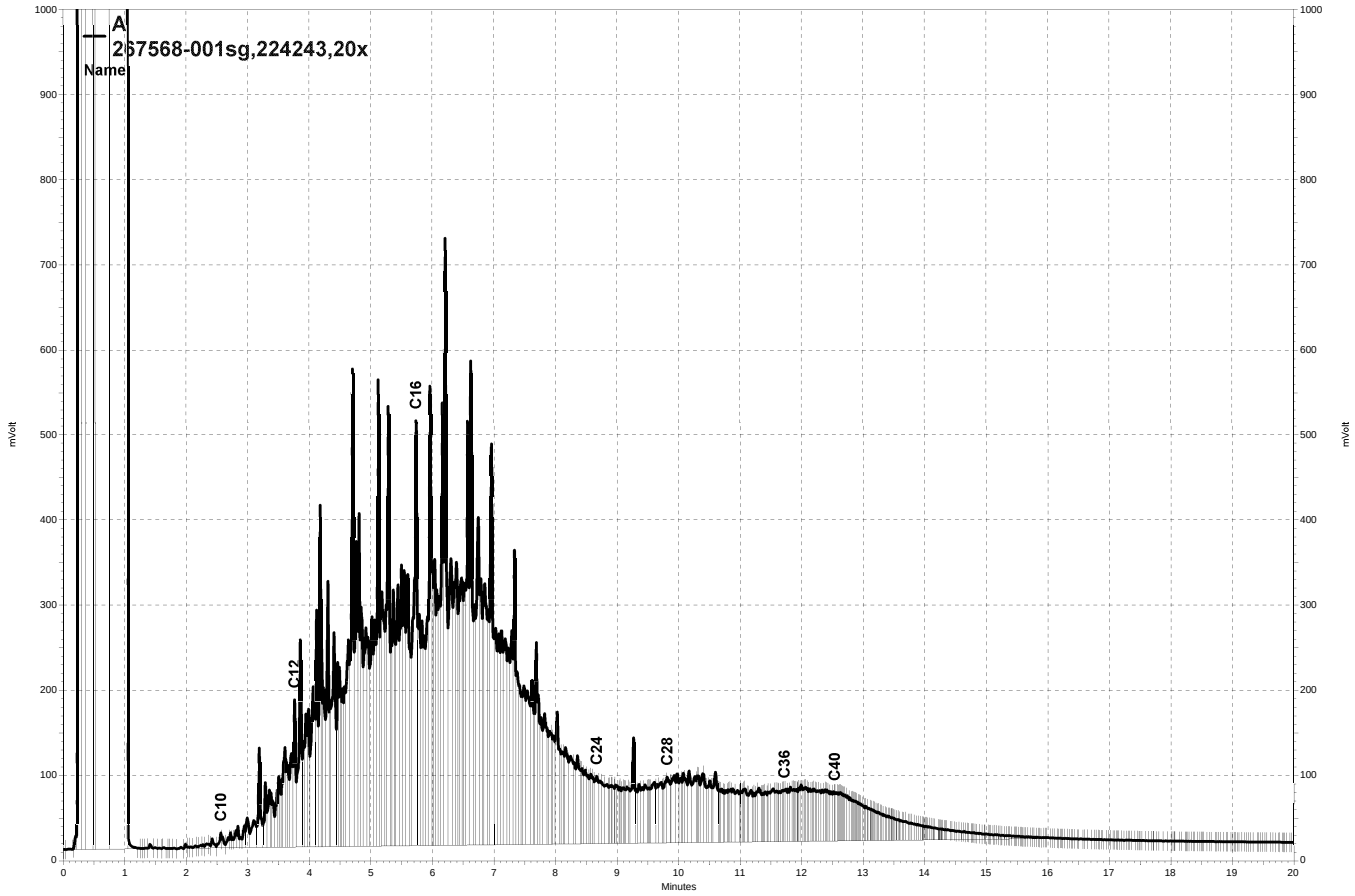
Surrogate	%REC	Limits
o-Terphenyl	96	59-140

Type: MSD Cleanup Method: EPA 3630C
Lab ID: QC792236

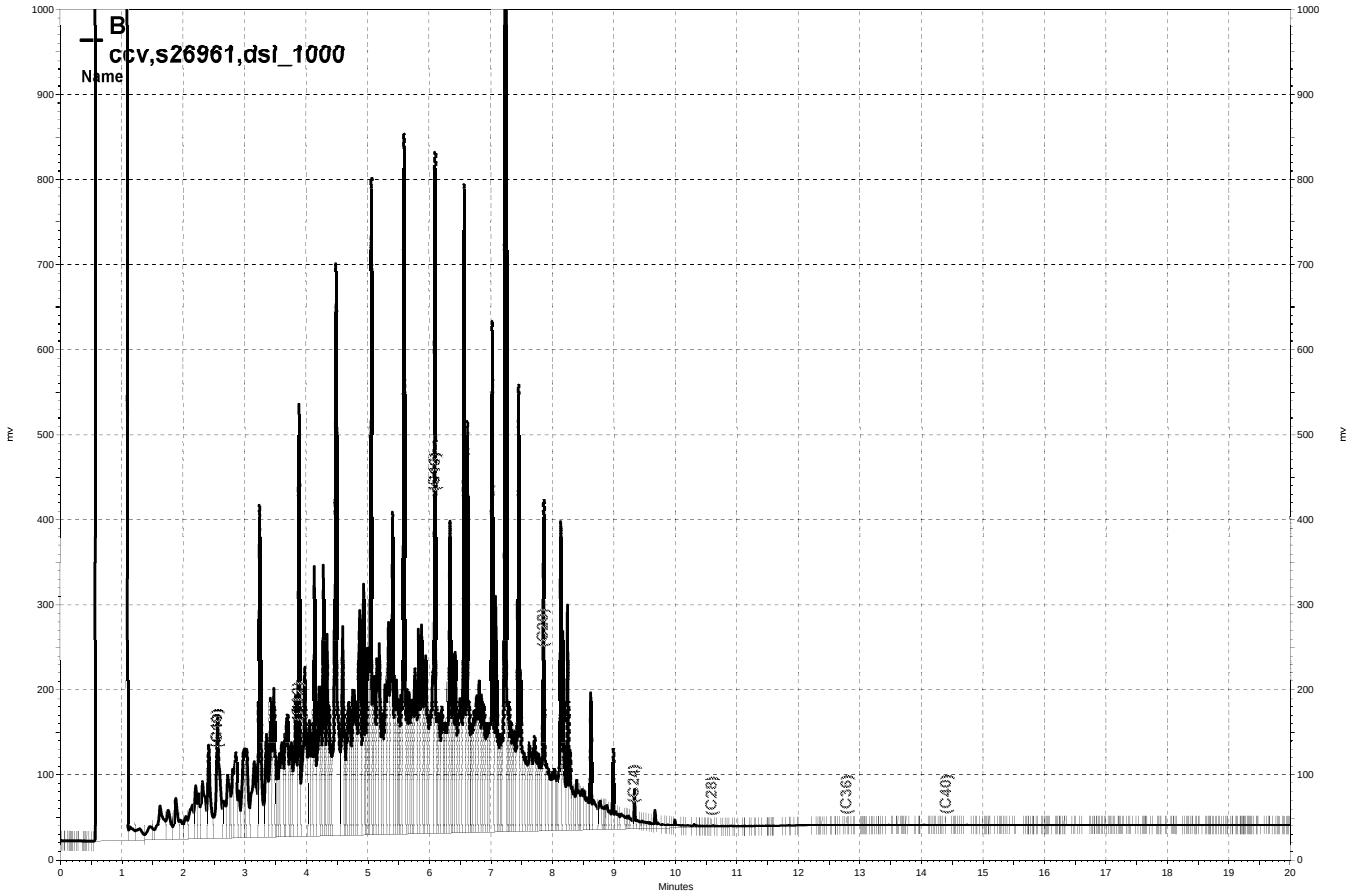
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.94	42.20	79	46-154	1	50

Surrogate	%REC	Limits
o-Terphenyl	92	59-140

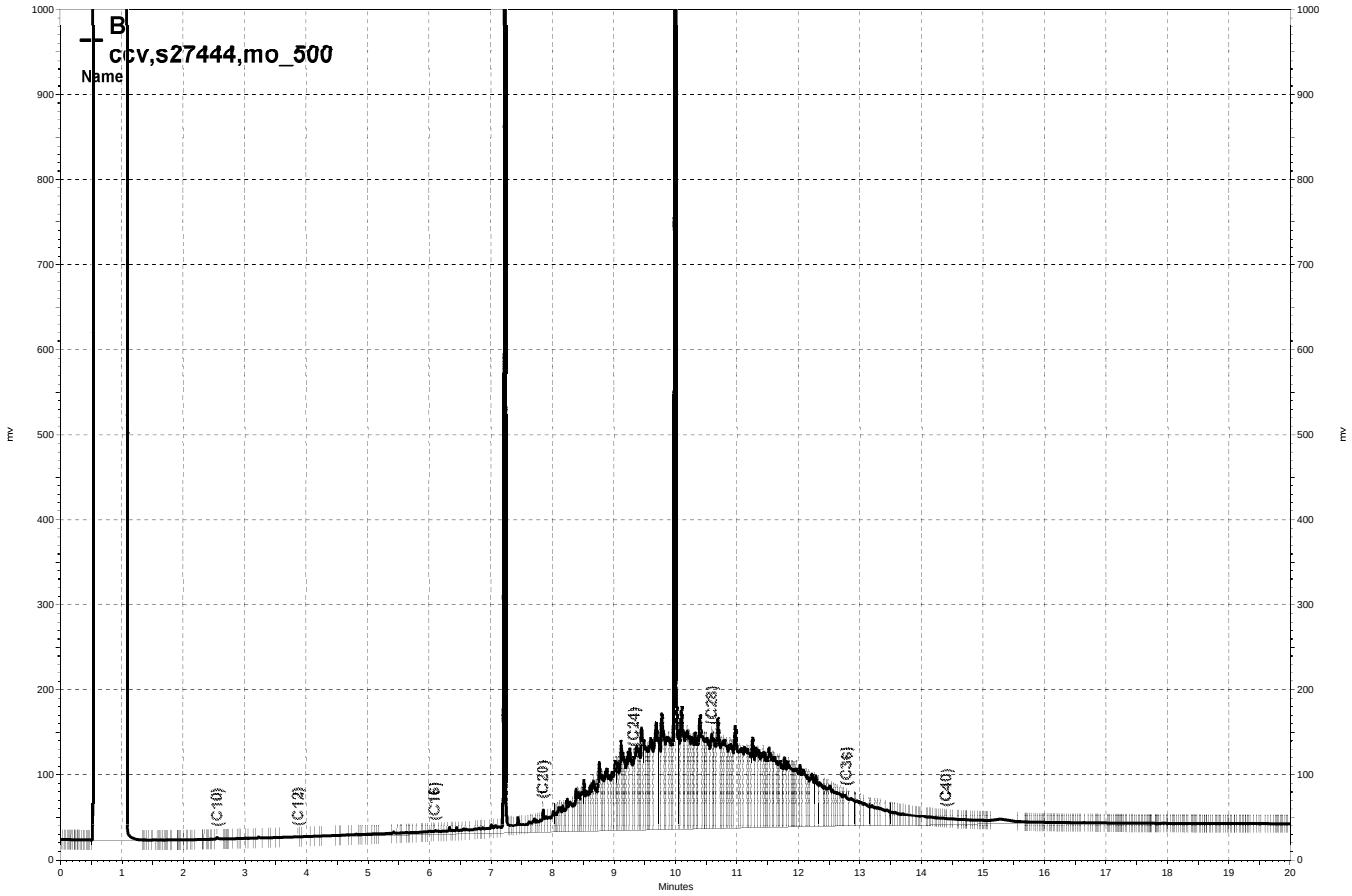
RPD= Relative Percent Difference



\\Lims\gdrive\ezchrom\Projects\GC26\Data\170a009, A



\\Lims\gdrive\ezchrom\Projects\GC15B\Data\169b030, B



\\Lims\gdrive\ezchrom\Projects\GC15B\Data\169b029, B

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	267568	Location:	FMW - Horton Street UST
Client:	Erler & Kalinowski, Inc.	Prep:	EPA 5035
Project#:	B20006.00 T7	Analysis:	EPA 8260B
Field ID:	HUST-DISP	Basis:	as received
Lab ID:	267568-001	Sampled:	06/17/15
Matrix:	Soil	Received:	06/17/15
Units:	ug/Kg	Analyzed:	06/18/15

Analyte	Result	RL	Diln Fac	Batch#
Freon 12	ND	8.0	0.8013	224237
Chloromethane	ND	8.0	0.8013	224237
Vinyl Chloride	ND	8.0	0.8013	224237
Bromomethane	ND	8.0	0.8013	224237
Chloroethane	ND	8.0	0.8013	224237
Trichlorofluoromethane	ND	4.0	0.8013	224237
Acetone	16	16	0.7862	224239
Freon 113	ND	4.0	0.8013	224237
1,1-Dichloroethene	ND	4.0	0.8013	224237
Methylene Chloride	ND	16	0.8013	224237
Carbon Disulfide	ND	3.9	0.7862	224239
MTBE	ND	4.0	0.8013	224237
trans-1,2-Dichloroethene	ND	4.0	0.8013	224237
Vinyl Acetate	ND	40	0.8013	224237
1,1-Dichloroethane	ND	4.0	0.8013	224237
2-Butanone	ND	8.0	0.8013	224237
cis-1,2-Dichloroethene	ND	4.0	0.8013	224237
2,2-Dichloropropane	ND	4.0	0.8013	224237
Chloroform	ND	4.0	0.8013	224237
Bromochloromethane	ND	4.0	0.8013	224237
1,1,1-Trichloroethane	ND	4.0	0.8013	224237
1,1-Dichloropropene	ND	4.0	0.8013	224237
Carbon Tetrachloride	ND	4.0	0.8013	224237
1,2-Dichloroethane	ND	4.0	0.8013	224237
Benzene	ND	4.0	0.8013	224237
Trichloroethene	ND	4.0	0.8013	224237
1,2-Dichloropropane	ND	4.0	0.8013	224237
Bromodichloromethane	ND	4.0	0.8013	224237
Dibromomethane	ND	4.0	0.8013	224237
4-Methyl-2-Pentanone	ND	8.0	0.8013	224237
cis-1,3-Dichloropropene	ND	4.0	0.8013	224237
Toluene	ND	4.0	0.8013	224237
trans-1,3-Dichloropropene	ND	4.0	0.8013	224237
1,1,2-Trichloroethane	ND	4.0	0.8013	224237
2-Hexanone	ND	8.0	0.8013	224237
1,3-Dichloropropane	ND	4.0	0.8013	224237
Tetrachloroethene	ND	4.0	0.8013	224237
Dibromochloromethane	ND	4.0	0.8013	224237

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	267568	Location:	FMW - Horton Street UST
Client:	Erler & Kalinowski, Inc.	Prep:	EPA 5035
Project#:	B20006.00 T7	Analysis:	EPA 8260B
Field ID:	HUST-DISP	Basis:	as received
Lab ID:	267568-001	Sampled:	06/17/15
Matrix:	Soil	Received:	06/17/15
Units:	ug/Kg	Analyzed:	06/18/15

Analyte	Result	RL	Diln Fac	Batch#
1,2-Dibromoethane	ND	4.0	0.8013	224237
Chlorobenzene	ND	4.0	0.8013	224237
1,1,1,2-Tetrachloroethane	ND	4.0	0.8013	224237
Ethylbenzene	ND	4.0	0.8013	224237
m,p-Xylenes	5.9	4.0	0.8013	224237
o-Xylene	ND	4.0	0.8013	224237
Styrene	ND	4.0	0.8013	224237
Bromoform	ND	4.0	0.8013	224237
Isopropylbenzene	ND	4.0	0.8013	224237
1,1,2,2-Tetrachloroethane	ND	4.0	0.8013	224237
1,2,3-Trichloropropane	ND	4.0	0.8013	224237
Propylbenzene	ND	4.0	0.8013	224237
Bromobenzene	ND	4.0	0.8013	224237
1,3,5-Trimethylbenzene	ND	4.0	0.8013	224237
2-Chlorotoluene	ND	4.0	0.8013	224237
4-Chlorotoluene	ND	4.0	0.8013	224237
tert-Butylbenzene	ND	4.0	0.8013	224237
1,2,4-Trimethylbenzene	13	4.0	0.8013	224237
sec-Butylbenzene	ND	4.0	0.8013	224237
para-Isopropyl Toluene	ND	4.0	0.8013	224237
1,3-Dichlorobenzene	ND	4.0	0.8013	224237
1,4-Dichlorobenzene	ND	4.0	0.8013	224237
n-Butylbenzene	ND	4.0	0.8013	224237
1,2-Dichlorobenzene	ND	4.0	0.8013	224237
1,2-Dibromo-3-Chloropropane	ND	4.0	0.8013	224237
1,2,4-Trichlorobenzene	ND	4.0	0.8013	224237
Hexachlorobutadiene	ND	4.0	0.8013	224237
Naphthalene	56	4.0	0.8013	224237
1,2,3-Trichlorobenzene	ND	4.0	0.8013	224237

Surrogate	%REC	Limits	Diln Fac	Batch#
Dibromofluoromethane	107	78-134	0.8013	224237
1,2-Dichloroethane-d4	106	80-138	0.8013	224237
Toluene-d8	100	80-120	0.8013	224237
Bromofluorobenzene	108	78-123	0.8013	224237

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	267568	Location:	FMW - Horton Street UST
Client:	Erler & Kalinowski, Inc.	Prep:	EPA 5035
Project#:	B20006.00 T7	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC792216	Batch#:	224237
Matrix:	Soil	Analyzed:	06/18/15
Units:	ug/Kg		

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	22.43	90	70-134
Benzene	25.00	23.76	95	80-123
Trichloroethene	25.00	21.71	87	80-128
Toluene	25.00	22.33	89	80-120
Chlorobenzene	25.00	22.89	92	80-123

Surrogate	%REC	Limits
Dibromofluoromethane	105	78-134
1,2-Dichloroethane-d4	104	80-138
Toluene-d8	102	80-120
Bromofluorobenzene	108	78-123

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	267568	Location:	FMW - Horton Street UST
Client:	Erler & Kalinowski, Inc.	Prep:	EPA 5035
Project#:	B20006.00 T7	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC792217	Batch#:	224237
Matrix:	Soil	Analyzed:	06/18/15
Units:	ug/Kg		

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	267568	Location:	FMW - Horton Street UST
Client:	Erler & Kalinowski, Inc.	Prep:	EPA 5035
Project#:	B20006.00 T7	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC792217	Batch#:	224237
Matrix:	Soil	Analyzed:	06/18/15
Units:	ug/Kg		

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	108	78-134
1,2-Dichloroethane-d4	104	80-138
Toluene-d8	101	80-120
Bromofluorobenzene	111	78-123

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	267568	Location:	FMW - Horton Street UST
Client:	Erler & Kalinowski, Inc.	Prep:	EPA 5035
Project#:	B20006.00 T7	Analysis:	EPA 8260B
Matrix:	Soil	Batch#:	224239
Units:	ug/Kg	Analyzed:	06/18/15
Diln Fac:	1.000		

Type: BS Lab ID: QC792221

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	23.85	95	70-134
Benzene	25.00	24.12	96	80-123
Trichloroethene	25.00	21.87	87	80-128
Toluene	25.00	24.50	98	80-120
Chlorobenzene	25.00	26.34	105	80-123

Surrogate	%REC	Limits
Dibromofluoromethane	104	78-134
1,2-Dichloroethane-d4	116	80-138
Toluene-d8	99	80-120
Bromofluorobenzene	91	78-123

Type: BSD Lab ID: QC792222

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	24.52	98	70-134	3	22
Benzene	25.00	23.99	96	80-123	1	21
Trichloroethene	25.00	21.73	87	80-128	1	23
Toluene	25.00	24.17	97	80-120	1	20
Chlorobenzene	25.00	25.10	100	80-123	5	20

Surrogate	%REC	Limits
Dibromofluoromethane	100	78-134
1,2-Dichloroethane-d4	118	80-138
Toluene-d8	96	80-120
Bromofluorobenzene	96	78-123

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	267568	Location:	FMW - Horton Street UST
Client:	Erler & Kalinowski, Inc.	Prep:	EPA 5035
Project#:	B20006.00 T7	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC792223	Batch#:	224239
Matrix:	Soil	Analyzed:	06/18/15
Units:	ug/Kg		

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	267568	Location:	FMW - Horton Street UST
Client:	Erler & Kalinowski, Inc.	Prep:	EPA 5035
Project#:	B20006.00 T7	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC792223	Batch#:	224239
Matrix:	Soil	Analyzed:	06/18/15
Units:	ug/Kg		

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	104	78-134
1,2-Dichloroethane-d4	116	80-138
Toluene-d8	91	80-120
Bromofluorobenzene	95	78-123

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	267568	Location:	FMW - Horton Street UST
Client:	Erler & Kalinowski, Inc.	Prep:	EPA 5030B
Project#:	B20006.00 T7	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	224239
MSS Lab ID:	267562-003	Sampled:	06/17/15
Matrix:	Soil	Received:	06/17/15
Units:	ug/Kg	Analyzed:	06/18/15
Basis:	as received		

Type: MS Diln Fac: 0.9823
Lab ID: QC792245

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<1.265	49.12	55.11	112	56-133
Benzene	<0.6859	49.12	51.06	104	57-120
Trichloroethene	<0.7405	49.12	50.69	103	49-145
Toluene	<0.4616	49.12	51.26	104	51-120
Chlorobenzene	<0.3488	49.12	47.56	97	47-120

Surrogate	%REC	Limits
Dibromofluoromethane	103	78-134
1,2-Dichloroethane-d4	108	80-138
Toluene-d8	98	80-120
Bromofluorobenzene	99	78-123

Type: MSD Diln Fac: 0.9747
Lab ID: QC792246

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	48.73	50.96	105	56-133	7	46
Benzene	48.73	50.59	104	57-120	0	44
Trichloroethene	48.73	48.75	100	49-145	3	46
Toluene	48.73	49.44	101	51-120	3	47
Chlorobenzene	48.73	46.96	96	47-120	0	50

Surrogate	%REC	Limits
Dibromofluoromethane	101	78-134
1,2-Dichloroethane-d4	111	80-138
Toluene-d8	94	80-120
Bromofluorobenzene	95	78-123

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	267568	Project#:	B20006.00 T7
Client:	Erler & Kalinowski, Inc.	Location:	FMW - Horton Street UST
Field ID:	HUST-DISP	Basis:	as received
Lab ID:	267568-001	Sampled:	06/17/15
Matrix:	Soil	Received:	06/17/15
Units:	mg/Kg	Analyzed:	06/18/15

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Prep	Analysis
Antimony	2.0	0.25	25.00	224208	06/17/15	EPA 3050B	EPA 6020
Arsenic	4.8	0.25	25.00	224208	06/17/15	EPA 3050B	EPA 6020
Barium	160	0.25	25.00	224208	06/17/15	EPA 3050B	EPA 6020
Beryllium	0.47	0.25	25.00	224208	06/17/15	EPA 3050B	EPA 6020
Cadmium	1.3	0.25	25.00	224208	06/17/15	EPA 3050B	EPA 6020
Chromium	42	0.25	25.00	224208	06/17/15	EPA 3050B	EPA 6020
Cobalt	11	0.25	25.00	224208	06/17/15	EPA 3050B	EPA 6020
Copper	72	0.25	25.00	224208	06/17/15	EPA 3050B	EPA 6020
Lead	40	0.25	25.00	224208	06/17/15	EPA 3050B	EPA 6020
Mercury	0.28	0.016	1.000	224224	06/18/15	METHOD	EPA 7471A
Molybdenum	0.77	0.25	25.00	224208	06/17/15	EPA 3050B	EPA 6020
Nickel	45	0.25	25.00	224208	06/17/15	EPA 3050B	EPA 6020
Selenium	0.26	0.25	25.00	224208	06/17/15	EPA 3050B	EPA 6020
Silver	ND	0.25	25.00	224208	06/17/15	EPA 3050B	EPA 6020
Thallium	ND	0.25	25.00	224208	06/17/15	EPA 3050B	EPA 6020
Vanadium	33	0.25	25.00	224208	06/17/15	EPA 3050B	EPA 6020
Zinc	110	0.99	25.00	224208	06/17/15	EPA 3050B	EPA 6020

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	267568	Location:	FMW - Horton Street UST
Client:	Erler & Kalinowski, Inc.	Prep:	EPA 3050B
Project#:	B20006.00 T7	Analysis:	EPA 6020
Type:	BLANK	Diln Fac:	25.00
Lab ID:	QC792099	Batch#:	224208
Matrix:	Soil	Prepared:	06/17/15
Units:	mg/Kg	Analyzed:	06/18/15

Analyte	Result	RL
Antimony	ND	0.25
Arsenic	ND	0.25
Barium	ND	0.25
Beryllium	ND	0.25
Cadmium	ND	0.25
Chromium	ND	0.25
Cobalt	ND	0.25
Copper	ND	0.25
Lead	ND	0.25
Molybdenum	ND	0.25
Nickel	ND	0.25
Selenium	ND	0.25
Silver	ND	0.25
Thallium	ND	0.25
Vanadium	ND	0.25
Zinc	ND	1.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	267568	Location:	FMW - Horton Street UST
Client:	Erler & Kalinowski, Inc.	Prep:	EPA 3050B
Project#:	B20006.00 T7	Analysis:	EPA 6020
Matrix:	Soil	Batch#:	224208
Units:	mg/Kg	Prepared:	06/17/15
Diln Fac:	25.00	Analyzed:	06/18/15

Type: BS Lab ID: QC792100

Analyte	Spiked	Result	%REC	Limits
Antimony	25.00	23.96	96	80-120
Arsenic	25.00	25.75	103	80-121
Barium	25.00	24.81	99	80-121
Beryllium	25.00	25.20	101	80-120
Cadmium	25.00	25.25	101	80-120
Chromium	25.00	25.99	104	80-131
Cobalt	25.00	25.85	103	80-132
Copper	25.00	26.78	107	80-137
Lead	25.00	24.51	98	80-125
Molybdenum	25.00	24.64	99	80-120
Nickel	25.00	26.06	104	77-141
Selenium	25.00	23.88	96	80-129
Silver	25.00	25.41	102	80-122
Thallium	25.00	22.06	88	80-120
Vanadium	25.00	26.24	105	80-128
Zinc	25.00	26.45	106	80-133

Type: BSD Lab ID: QC792101

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	25.00	24.53	98	80-120	2	20
Arsenic	25.00	25.71	103	80-121	0	21
Barium	25.00	25.11	100	80-121	1	20
Beryllium	25.00	25.40	102	80-120	1	20
Cadmium	25.00	25.00	100	80-120	1	20
Chromium	25.00	26.19	105	80-131	1	25
Cobalt	25.00	25.99	104	80-132	1	24
Copper	25.00	26.93	108	80-137	1	27
Lead	25.00	24.69	99	80-125	1	20
Molybdenum	25.00	24.70	99	80-120	0	20
Nickel	25.00	26.29	105	77-141	1	29
Selenium	25.00	25.15	101	80-129	5	22
Silver	25.00	25.38	102	80-122	0	20
Thallium	25.00	22.10	88	80-120	0	20
Vanadium	25.00	26.20	105	80-128	0	24
Zinc	25.00	26.50	106	80-133	0	23

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	267568	Location:	FMW - Horton Street UST
Client:	Erler & Kalinowski, Inc.	Prep:	EPA 3050B
Project#:	B20006.00 T7	Analysis:	EPA 6020
Field ID:	ZZZZZZZZZZ	Batch#:	224208
MSS Lab ID:	267454-007	Sampled:	06/12/15
Matrix:	Soil	Received:	06/12/15
Units:	mg/Kg	Prepared:	06/17/15
Basis:	as received		

Type: MS Lab ID: QC792102

Analyte	MSS Result	Spiked	Result	%REC	Limits	Dil'n Fac	Analyzed
Antimony	2.329	24.75	5.803	14 *	21-120	25.00	06/18/15
Arsenic	9.032	24.75	32.81	96	75-122	25.00	06/18/15
Barium	136.9	24.75	180.7	177 NM	54-148	25.00	06/18/15
Beryllium	0.1840	24.75	24.94	100	80-120	25.00	06/18/15
Cadmium	0.7510	24.75	25.57	100	80-120	25.00	06/18/15
Chromium	4,970	24.75	264.6	-19011 NM	60-158	2,500	06/19/15
Cobalt	61.71	24.75	52.00	-39 *	73-142	25.00	06/18/15
Copper	181.7	24.75	243.3	249 NM	59-150	25.00	06/18/15
Lead	229.3	24.75	140.6	-358 NM	68-137	25.00	06/18/15
Molybdenum	4.757	24.75	26.29	87	71-120	25.00	06/18/15
Nickel	4,688	24.75	521.2	-16834 NM	57-161	2,500	06/19/15
Selenium	0.2758	24.75	23.23	93	75-128	25.00	06/18/15
Silver	0.4690	24.75	24.68	98	77-120	25.00	06/18/15
Thallium	0.07155	24.75	21.84	88	76-120	25.00	06/18/15
Vanadium	68.70	24.75	83.34	59 *	65-150	25.00	06/18/15
Zinc	241.8	24.75	266.2	NM	44-158	2,500	06/19/15

Type: MSD Lab ID: QC792103

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Dil'n Fac	Analyzed
Antimony	24.04	6.169	16 *	21-120	9	29	25.00	06/18/15
Arsenic	24.04	29.18	84	75-122	10	24	25.00	06/18/15
Barium	24.04	213.0	316 NM	54-148	17	28	25.00	06/18/15
Beryllium	24.04	23.70	98	80-120	2	20	25.00	06/18/15
Cadmium	24.04	24.18	97	80-120	3	20	25.00	06/18/15
Chromium	24.04	204.1	-19827 NM	60-158	26	36	2,500	06/19/15
Cobalt	24.04	44.04	-74 *	73-142	16	34	25.00	06/18/15
Copper	24.04	206.3	102 NM	59-150	16	52	25.00	06/18/15
Lead	24.04	227.9	-6 NM	68-137	48 *	32	25.00	06/18/15
Molybdenum	24.04	23.10	76	71-120	10	20	25.00	06/18/15
Nickel	24.04	359.3	-18008 NM	57-161	37	47	2,500	06/19/15
Selenium	24.04	22.56	93	75-128	0	20	25.00	06/18/15
Silver	24.04	23.17	94	77-120	3	20	25.00	06/18/15
Thallium	24.04	20.48	85	76-120	4	20	25.00	06/18/15
Vanadium	24.04	81.24	52 *	65-150	2	28	25.00	06/18/15
Zinc	24.04	279.9	NM	44-158	5	33	2,500	06/19/15

*= Value outside of QC limits; see narrative
NM= Not Meaningful: Sample concentration > 4X spike concentration
RPD= Relative Percent Difference

Batch QC Report

California Title 22 Metals

Lab #:	267568	Location:	FMW - Horton Street UST
Client:	Erler & Kalinowski, Inc.	Prep:	METHOD
Project#:	B20006.00 T7	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	224224
Lab ID:	QC792166	Prepared:	06/18/15
Matrix:	Soil	Analyzed:	06/18/15
Units:	mg/Kg		

Result	RL
ND	0.017

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	267568	Location:	FMW - Horton Street UST
Client:	Erler & Kalinowski, Inc.	Prep:	METHOD
Project#:	B20006.00 T7	Analysis:	EPA 7471A
Analyte:	Mercury	Batch#:	224224
Matrix:	Soil	Prepared:	06/18/15
Units:	mg/Kg	Analyzed:	06/18/15
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC792167	0.2083	0.2027	97	80-120		
BSD	QC792168	0.2083	0.2077	100	80-120	2	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	267568	Location:	FMW - Horton Street UST
Client:	Erler & Kalinowski, Inc.	Prep:	METHOD
Project#:	B20006.00 T7	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	224224
MSS Lab ID:	267561-001	Sampled:	06/17/15
Matrix:	Soil	Received:	06/17/15
Units:	mg/Kg	Prepared:	06/18/15
Basis:	as received	Analyzed:	06/18/15

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC792169	0.08335	0.2273	0.3347	111	69-142		
MSD	QC792170		0.1923	0.2786	102	69-142	6	36

RPD= Relative Percent Difference

Attachment 2

Waste Manifests

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard · Richmond, California 94801
Phone # 510-235-1393

CUSTOMER: CORNERSTONE ENVIRONMENTAL **JOB NO:** 52T4941

GENERATOR: CITY OF EMERYVILLE AS THE SUCCESSOR AGENCY TO THE EMERYVILLE REDEVELOPMEMT AGENCY
5679 HORTON STREET EMERYVILLE CA 94608

FOR: ECOLOGY CONTROL INDUSTRIES **TANK NO.:** 34655

LOCATION: RICHMOND **DATE:** 06/30/2015

LAST PRODUCT: DIESEL **TEST METHOD:** VISUAL GASTECH/1314 SMPN

This is to certify that I have personally determined that this is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE: 1,000 GALLONS CONDITION: SAFE FOR FIRE

REMARKS:

OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1% ECOLOGY CONTROL INDUSTRIES HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED AND THEREFORE, DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY. ECOLOGY CONTROL INDUSTRIES HAS THE APPROPRIATE PERMITS FOR AND HAS ACCEPTED THE TANK SHIPPED TO US FOR PROCESSING.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or it in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissible concentrations; and (c) In the judgment of the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) in the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

REPRESENTATIVE TITLE INSPECTOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CAD981390750		510-235-1393	013897060 JJK

5. Generator's Name and Mailing Address

CITY OF EMERYVILLE AS THE SUCCESSOR AGENCY TO THE EMERYVILLE REDEVELOPMENT AGENCY
1333 PARK ST
EMERYVILLE, CA 94608

Generator's Phone: 510-596-4381

Generator's Site Address (if different than mailing address)
5679 HORTON ST
EMERYVILLE, CA 94608

6. Transporter 1 Company Name: ECOLOGY CONTROL INDUSTRIES — U.S. EPA ID Number: CAD982030173

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address

ECOLOGY CONTROL INDUSTRIES
255 PARR BOULEVARD
RICHMOND, CA 94801

Facility's Phone: 510-235-1393

U.S. EPA ID Number: CAD009466392

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NON-RCRA HAZARDOUS WATE SOLID (EMPTY STORAGE TANK)	001	TP	500	P	512
	2.			0		
	3.			0		
	4.			0		

GENERATOR

14. Special Handling Instructions and Additional Information

EC1 JOB # 52T4941 TANK #34855

WEAR PROPER PPE WHEN HANDLING // WEIGHTS AND VOLUMES ARE APPROXIMATE

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Michael Biddle — Signature — Month: 06 Day: 17 Year: 15

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: BILL MAASKE — Signature — Month: 6 Day: 17 Year: 15

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Shon Spence — Signature — Month: 6 Day: 17 Year: 15

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number CAD981398760	2. Page 1 of 1	3. Emergency Response Phone (800) 424-9300	**4. Manifest Tracking Number** **014647552 JJK**

GENERATOR

5. Generator's Name and Mailing Address
City of Emeryville as the Successor Agency to the Emeryville Redevelopment Agency
1333 PARK AVE
EMERYVILLE CA 94608
Generator's Phone: 925 324-0560

Generator's Site Address (if different than mailing address)
Former Marchant/Whitney Site
5679 HORTON STREET
EMERYVILLE CA 94608

6. Transporter 1 Company Name: ASBURY ENVIRONMENTAL SERVICES — U.S. EPA ID Number: CAD028277036

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
DEMENNO / KERDOON
2000 NORTH ALAMEDA STREET
COMPTON CA 90222
Facility's Phone: (310)537-7100
U.S. EPA ID Number: CAT080013352

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NON -RCRA HAZARDOUS WASTE, LIQUID (OILY WATER)	001	TT	800	G	222
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
NAERG# 9B1 : 171 * PROFILE # 9B1 : ACP *EMERGENCY CONTACT: CHEMTREC 1-800-424-9300 *** AUTOMOTIVE CLARIFIER PROGRAM *** * APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT
#17045

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Michael Biddle — Signature: [signature] — Month / Day / Year:

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Edwardo Ibarra — Signature: [signature] — Month 06 Day 16 Year 15
Transporter 2 Printed/Typed Name: — Signature: — Month / Day / Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month / Day / Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: — Signature: — Month / Day / Year:

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAD981390750	1	(800) 424-9300	011468402 JJK

GENERATOR

5. Generator's Name and Mailing Address
City of Emeryville as the Successor Agency to the Emeryville Redevelopment Agency
1333 Park Ave, Emeryville CA 94608
Generator's Phone: 925-329-2560

Generator's Site Address (if different than mailing address)
5679 Horton St
Emeryville, CA 94608

6. Transporter 1 Company Name: ASBURY ENVIRONMENTAL SERVICES — U.S. EPA ID Number: CAD028277036

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
DEMENNO / KERDOON
2000 NORTH ALAMEDA STREET
COMPTON CA 90222
Facility's Phone: (310)537-7100
U.S. EPA ID Number: CAT080013352

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NON-RCRA HAZARDOUS WASTE, LIQUID (OILY WATER)	001	TT		G	223
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
NAERG# 9B1 : 171 * PROFILE # 9B1 : ACP *EMERGENCY CONTACT: CHEMTREC 1-800-424-9300 *** AUTOMOTIVE CLARIFIER PROGRAM *** * ADDITIONAL EPA CODES : 9B1 : , NONE * APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Michael Enright — Signature — Month: 08 — Day: 17 — Year: 15

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month — Day — Year

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month — Day — Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
N/A	1	888-375-5336	BTI 01001

GENERATOR

5. Generator's Name and Mailing Address
City of Emeryville, Successor Agency to
Emeryville Redevelopment Agency
1333 Park Ave
Emeryville, CA 94608 510-596-4300
Generator's Phone:

Generator's Site Address (if different than mailing address)
5679 Horton Street
Emeryville, CA 94608

6. Transporter 1 Company Name
Bradley Tanks, Inc
U.S. EPA ID Number
CAR000224568

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Hay Road Landfill
6426 Hay Road
Vacaville, CA 95687 707-678-4718
Facility's Phone:
U.S. EPA ID Number
N/A

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous Soil	1	CM	13	Y	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
Approval #
T + D PSS 201
Emergency Acct #: BF31029

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Michael Riddle
Signature:
Month: 6 Day: 29 Year: 15

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jose Mata
Signature:
Month: 6 Day: 29 Year: 15

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature
Month Day Year

GENERATOR'S/SHIPPER'S INITIAL COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
N/A	1	888-375-5336	BTI 01002

GENERATOR

5. Generator's Name and Mailing Address
City of Emeryville, Successor Agency to
Emeryville Redevelopment Agency
1333 Park Ave
Emeryville, CA 94608 510-596-4300

Generator's Site Address (if different than mailing address)
5679 Horton Street
Emeryville, CA 94608

Generator's Phone:

6. Transporter 1 Company Name
Bradley Tanks, Inc

U.S. EPA ID Number
CAR000224568

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Hay Road Landfill
6426 Hay Road
Vacaville, CA 95687 707-678-4718

U.S. EPA ID Number
N/A

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous Soil	1	CM	12	Y	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
Approval #
Emergency Acct # BR31029

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Michael Riddle
Signature:
Month: 6 Day: 29 Year:

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name:
Signature:
Month: 6 Day: 29 Year:

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name:
Signature:
Month: Day: Year:

GENERATOR'S/SHIPPER'S INITIAL COPY

Attachment 3

UST Closure Inspection Report

COUNTY OF ALAMEDA
UNDERGROUND TANK SYSTEM CLOSURE
INSPECTION REPORT

For Use By the County of Alameda, Environmental Health

Facility Name: 5679 Horton Street Contractor's name: Cornerstone Environmental
Address: 5679 Horton City: Emeryville Zip: 94608

Project Contact: Ryan Casey Phone No.: 650-292-9100

Tank ID No.	1					
Size	3' dia.; 12' long					
Construction Material	steel					
Single/Double Wall	single					
Backfill Type	Fill soil					
Oxygen <10%	0-5%					
LEL <10%	0%					
Tank Condition	Intact, several holes on top & bottom					
Soil/Groundwater Condition	Fill soil No groundwater					
Soil Sample Depth	9.5 ft bgs					
Number and Description of Soil/Groundwater Samples *(Indicate Sample Locations on Site Plan.)*	1 sample at each end of UST and each sidewall (soil)					

Disposition of Tank Contents: Pumped and disposed on Manifest **Piping:** ☐ Rinsed/Tested/Capped. **Rinsate:** ☒ Shipped on Manifest.
Tank & Piping Transport: ☒ Shipped on Manifest; ☒ Transporter Name Same as on Application.
Sampling: ☐ Evidence Tape; ☒ Chain of Custody; ☒ Samples Refrigerated; Piping Samples Taken ☒ Yes, ☐ No *(If no, explain why in Comments.)*
Soil: ☐ Soil Stored on Bermed Plastic & Covered; ☐ Soil Returned to Excavation. **Site Plan:** ☐ Attached.

Comments/Special Conditions: Soil stored in covered bins for analysis and off-site disposal

Inspector: Kevin Hom Agency: ACDEH Date: 6/17/15 Start Time: 1145 Stop Time: 1400 ☐

Signature of Contractor/Authorized Agent: Carl Deans Date: 6-17-15

UN-005 Rev. 4/3/2013rw

Attachment 4

Boring Log, Well Destruction Permit, and DWR

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do not fill in

No. 372217

State Well No. 01S04W15~~B~~F P5

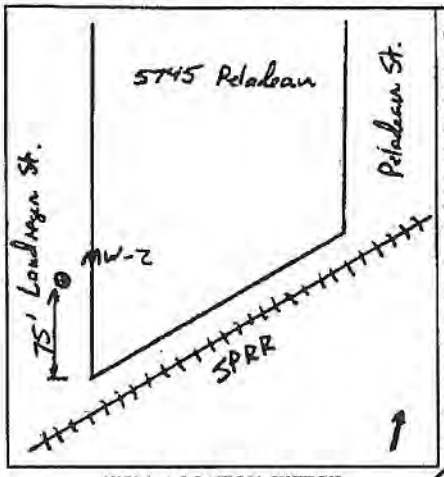
Other Well No.

Notice of Intent No.

Local Permit No. or Date

(1) OWNER: Name Tullock Construction Co
Address 3478 Ettie St.
City Oakland ZIP 94608

(2) LOCATION OF WELL (See instructions):
County Alameda Owner's Well Number 2
Well address if different from above 5745 Pelaleau St.
Township Range Section
Distance from cities, roads, railroads, fences, etc. 120' north of Southern Pacific Railroad



WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic ☐
Irrigation ☐
Industrial ☐
Test Well ☒
Municipal ☐
Other ☐
(Describe)

(5) EQUIPMENT:
Rotary ☒ Reverse ☐
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK: Yes ☒ No ☐ Size Lonestar #3
Diameter of bore 8"
Packed from 3.5 ft. to 14 ft.

(7) CASING INSTALLED:
Steel ☐ Plastic ☒ Concrete ☐

From ft.	To ft.	Dia. in.	Gage or Wall
0	4	2	Sch 40

(8) PERFORATIONS:
Type of perforation or size of screen

From ft.	To ft.	Slot size
4	14	0.020

(9) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 2.5 ft.
Were strata sealed against pollution? Yes ☐ No ☐ Interval NA ft.
Method of sealing Cement grout / bentonite pellets

(10) WATER LEVELS:
Depth of first water, if known 5 ft.
Standing level after well completion 5 ft.

(11) WELL TESTS:
Was well test made? Yes ☐ No ☒ If yes, by whom?
Type of test Pump ☐ Bailer ☐ Air lift ☐
Depth to water at start of test ft. At end of test ft.
Discharge gal/min after hours Water temperature
Chemical analysis made? Yes ☒ No ☐ If yes, by whom? Sequoia
Was electric log made Yes ☐ No ☐ If yes, attach copy to this report

(12) WELL LOG: Total depth 14 ft. Completed depth 14 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	0.8	Asphaltic Concrete over rockbase
0.8	7.5	Black & green mottled silty clay, wet
7.5	14	Brown & gray mottled clayey silt, moist

Work started Feb 18 19 93 Completed Feb 18 19 93

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Signed (Well Driller) EGS
NAME Exploration Geoservices (Person, firm, or corporation) (Typed or printed)
Address 1535 Industrial Ave
City San Jose ZIP 95112
License No. 484788 Date of this report 3/30/93

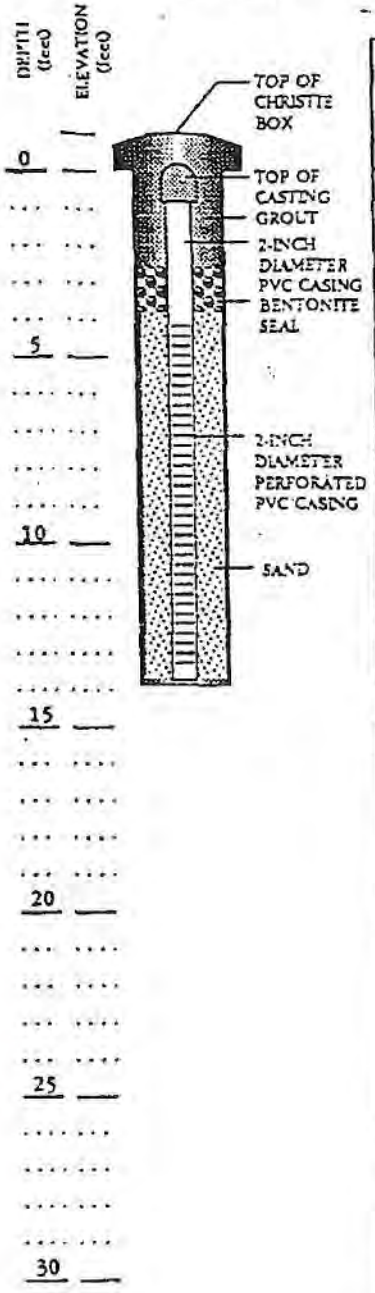
IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

372217

0150401458

DRILL RIG: Mobile B-42 | SURFACE ELEVATION: 11.0 feet | LOGGED BY: TR

DEPTH TO GROUNDWATER: 5.0 feet (From Surface Elevation) | BORING DIAMETER: 8 inches | DATE DRILLED: 2/18/93



DESCRIPTION	SYMBOL	CONSISTENCY	SOIL TYPE	LEGEND	DEPTH (feet)	SAMPLER	WATER CONTENT (%)	PENETRATION RESISTANCE (BLOWS/FT.)	ORGANIC VAPORS (ppm)
2 inch asphaltic concrete over 6 inches rockbase									
Black and green mottled silty clay, wet, strong petroleum odor		Stiff	CL		5		▽		
Free product at 4.0 feet, saturated at 5.0 feet ↑ FILL								12	200
Brown and gray mottled clayey silt, moist		Hard	ML		10				
								50	<1.0
Minor sand and gravel at 13.0 feet								54	3.0
Bottom of Well = 14.0 feet					15				
					20				
					25				
NOTE: The stratification lines represent the approximate boundary between the soil types. The transition may be gradual.					30				

517-21.3/12 SF'EB

MONITORING WELL LOG - MW-2

5745 PELADEAU STREET
Emeryville, California

LOWNEY ASSOCIATES
Environmental/Geotechnical/Engineering Services

MW-2
517-21, March 1993

Alameda County Public Works Agency - Water Resources Well Permit

Public Works Agency
Alameda County

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 06/11/2015 By jamesy

Permit Numbers: W2015-0509
Permits Valid from 06/22/2015 to 06/26/2015

Application Id:	1432760800690	**City of Project Site:**	Emeryville
Site Location:	Horton Street (right of way) between Stanford Avenue and Haruff Street		
Project Start Date:	06/22/2015	**Completion Date:**	06/26/2015
Assigned Inspector:	Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org		
Applicant:	Erler & Kalinowski, Inc. - Jeff Shaw 1870 Ogden Dr, Burlingame, CA 94010	**Phone:**	650-292-9100
Property Owner:	City of Emeryville 1333 Park Avenue, Emeryville, CA 94608	**Phone:**	510-596-4300
Client:	** same as Property Owner **		

	Total Due:	$397.00
Receipt Number: WR2015-0286	**Total Amount Paid:**	$397.00
Payer Name : Joy Su	Paid By: VISA	**PAID IN FULL**

Works Requesting Permits:

Well Destruction-Monitoring - 1 Wells
Driller: Gregg Drilling - Lic #: 485165 - Method: over **Work Total: $397.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-0509	06/11/2015	09/20/2015	MW-2	8.00 in.	2.00 in.	2.50 ft	14.00 ft	01S04W15P5		372217

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

2. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Include permit number and site map.

4. Applicant shall submit the copies of the approved encroachment permit to this office within 10 days.

5. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and

all expense, cost and liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.

6. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

7. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

8. Remove the Christy box or similar structure. Destroy well(s) by overdrilling the upper 5ft. below ground surface (bgs) and then tremie grouting with neat cement. Allow the sealing material to spill over the top of the casing to fill any annular space between casing and soil. After the seal has set, backfill the remaining hole by approved encroachment permit concrete material and asphalt material by Caltrans Spec or County/City Codes.

9. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

*The free Adobe Reader may be used to view and complete this form. However, software must be purchased to complete, save, and reuse a saved form.

File Original with DWR

State of California

Well Completion Report

Refer to Instruction Pamphlet

No. e0274171

Page 1 of 1

Owner's Well Number MW-2

Date Work Began 06/22/2015 Date Work Ended 6/22/2015

Local Permit Agency Alameda County Public Works Agency

Permit Number W2015-05-09 Permit Date 6/11/15

DWR Use Only – Do Not Fill In

State Well Number/Site Number

N W

Latitude Longitude

APN/TRS/Other

Geologic Log

Orientation ◉ Vertical ○ Horizontal ○ Angle Specify

Drilling Method Hollow Stem Auger Drilling Fluid

Depth from Surface Feet	to Feet	Description (Describe material, grain size, color, etc)
0	15	Well was 2-inches in diameter and extended to approximately 14 feet below ground surface ("ft bgs"). The well was removed through overdrilling with a hollow-stem auger. All of the PVC screen and blank casing were removed. All of the annular materials were removed to 14 ft bgs. Borehole was overdrilled to approximately 14.5 ft bgs. The well box was removed. Following removal of well MW-2, the borehole was grouted up to 1 ft bgs using neat cement, and completed to the surface with asphalt.

Total Depth of Boring 14.5 Feet

Total Depth of Completed Well Feet

Well Owner

Name City of Emeryville as the Successor Agency to the Emeryville Redevelopment Agency

Mailing Address 1333 Park Avenue

City Emeryville State CA Zip 94608

Well Location

Address 5679 Horton Street

City Emeryville County Alameda

Latitude Deg. Min. Sec. N Longitude Deg. Min. Sec. W

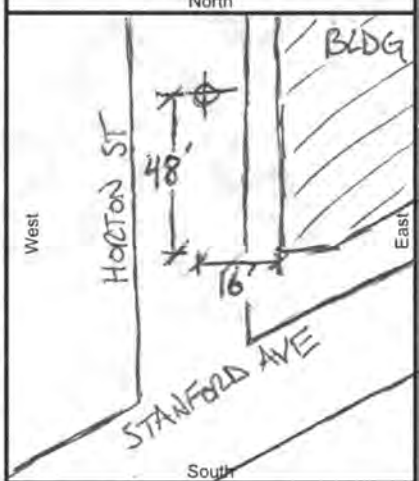
Datum Decimal Lat. Decimal Long.

APN Book Page Parcel

Township Range Section

Location Sketch

(Sketch must be drawn by hand after form is printed.)



Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. **Please be accurate and complete.**

Activity

- ○ New Well
- ○ Modification/Repair
  - ○ Deepen
  - ○ Other
- ◉ Destroy
  Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

- ○ Water Supply
  - ☐ Domestic ☐ Public
  - ☐ Irrigation ☐ Industrial
- ○ Cathodic Protection
- ○ Dewatering
- ○ Heat Exchange
- ○ Injection
- ◉ Monitoring
- ○ Remediation
- ○ Sparging
- ○ Test Well
- ○ Vapor Extraction
- ○ Other

Water Level and Yield of Completed Well

Depth to first water (Feet below surface)

Depth to Static Water Level (Feet) Date Measured

Estimated Yield * (GPM) Test Type

Test Length (Hours) Total Drawdown (Feet)

*May not be representative of a well's long term yield.

Casings

Depth from Surface Feet	to Feet	Borehole Diameter (Inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size if Any (Inches)

Annular Material

Depth from Surface Feet	to Feet	Fill	Description

Attachments

- ☐ Geologic Log
- ☐ Well Construction Diagram
- ☐ Geophysical Log(s)
- ☐ Soil/Water Chemical Analyses
- ☑ Other Site Map

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name Gregg Drilling & Testing, Inc.
(Person, Firm or Corporation)

950 Howe Road (Address) Martinez (City) CA (State) 94553 (Zip)

Signed (C-57 Licensed Water Well Contractor) 2/13/15 (Date Signed) 485165 (C-57 License Number)

DWR 188 REV. 1/2006

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

Attachment 5

Summary of Groundwater Analytical Results from the FMW Site

N

0 80 160

(Approximate Scale in Feet)

Legend

- FMW Site Property Boundary
- Site B Property Boundary
- South Bayfront Property Boundary
- CPT Location (Note 2)
- HPT Location
- Grab Groundwater Sampling Location
- Groundwater Monitoring Well - TEA Unit
- Groundwater Monitoring Well - CQa Unit
- Groundwater Monitoring Well - TEA and CQa Unit
- Approximate Extent of Subsurface Geophysical Anomaly

Abbreviations

CPT= cone penetrometer test
CQa = Coarse Quaternary Alluvial Unit (bottom elevation ranges from approximately -20 to -43 feet msl)
feet msl = feet above mean sea level
FMW = Former Marchant/Whitney
HPT = hydraulic profiling tool
MIP = membrane interface probe
TEA = Transitional Estuarine-Alluvial Unit (bottom elevation ranges from approximately -8 to -18 feet msl)

Notes

1. All locations are approximate.
2. MIP testing was performed at FMW Site locations PW-B, PW-F to PW-K, PW-M to PW-O, PW-Q, and PW-T to PW-AA and Site A locations ACPT-A to ACPT-D and ACPT-G. HPT was performed at FMW Site locations PW-B, PW-E, PW-Q, and PW-R.
3. For description of TEA and CQa stratigraphic units, see Section 4.1 of the text.

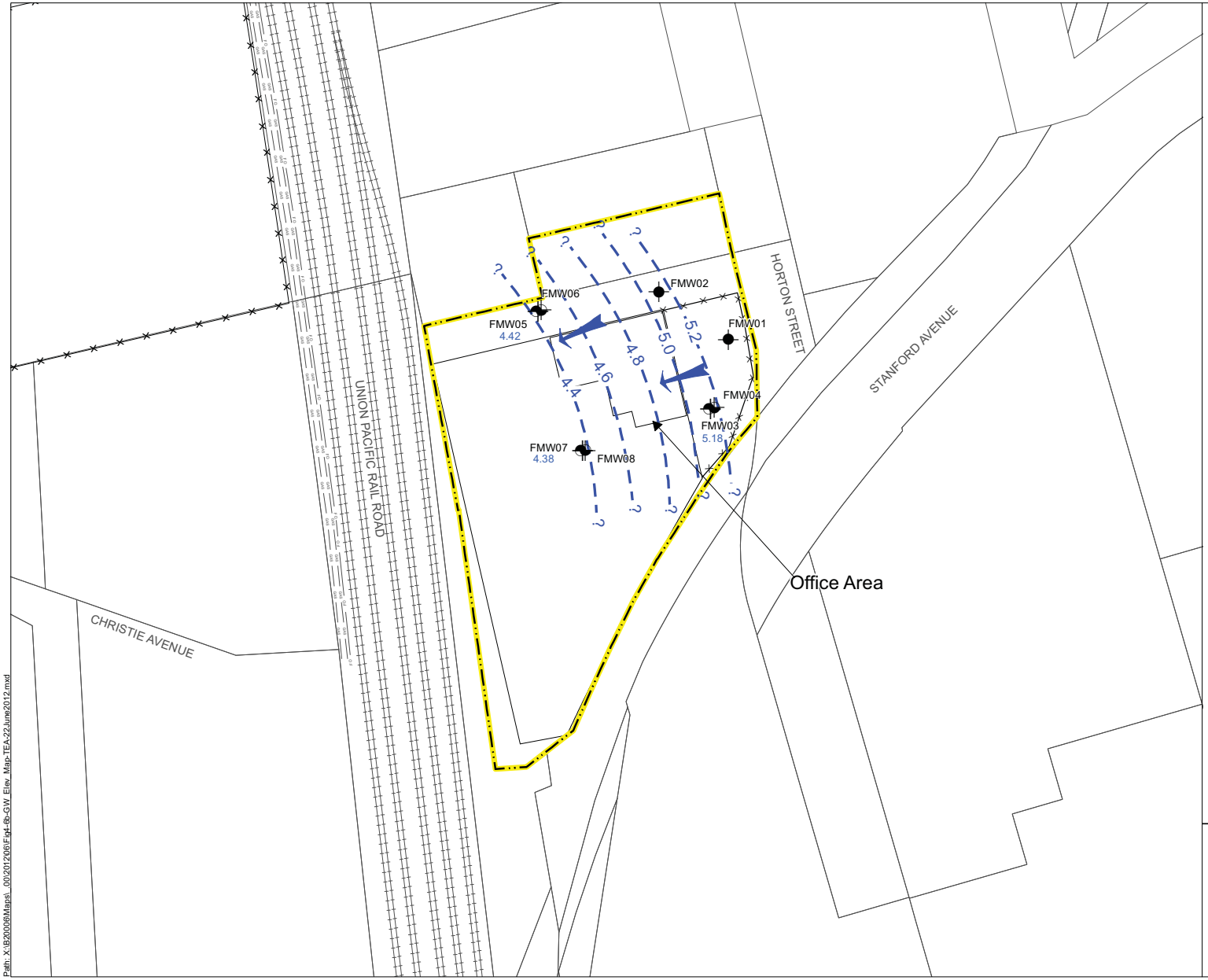
Reference: Google Earth Pro, Date of Imagery, 2 October 2009.

Erler & Kalinowski, Inc.

In-situ Testing, Grab Groundwater Sampling & Groundwater Monitoring Well Locations

Former Marchant/Whitney Site
Emeryville, CA
June 2012
EKI B20006.00
Figure 3-1

Path: X:\B20006\Maps\...00\2012\06\Fig3-1-InsituTesting,GrabGWSamp,&WellLocs.mxd



N

0 80 160

(Approximate Scale in Feet)

Legend

- FMW Site Property Boundary
- FMW Groundwater Monitoring Well - TEA Unit
- FMW Groundwater Monitoring Well - CQa Unit
- FMW Groundwater Monitoring Well - TEA and CQa Unit
- -5.2- Approximate Groundwater Elevation Contour (feet msl)
- 5.18 Groundwater Elevation (feet msl)
- Hydraulic Gradient Direction

Abbreviations

CQa = Coarse Quaternary Alluvial Unit (bottom elevation ranges from approximately -20 to -43 feet msl)
feet msl = feet above mean sea level
FMW = Former Marchant/Whitney
TEA = Transitional Estuarine-Alluvial Unit (bottom elevation ranges from approximately -8 to -18 feet msl)

Notes

1. All locations are approximate.
2. For description of TEA and CQa stratigraphic units, see Section 4.1 of the text.

Erler & Kalinowski, Inc.

Groundwater Elevation Contours in TEA Unit
22 June 2012

Former Marchant/Whitney Site
Emeryville, CA
June 2012
EKI B20006.00
Figure 4-6b

Path: X:\B20006\Maps_00\2012\06\Fig4-6b-GW Elev Map-TEA-22June2012.mxd

TABLE 5-1a
SUMMARY OF FIELD PARAMETERS AND ANALYTICAL RESULTS FOR DETECTED VOCs AND TPH FOR GRAB GROUNDWATER SAMPLES
Former Marchant/Whitney Site
Emeryville, California

Location ID (d)	Sample ID	Sample Date	Sample Depth (ft bgs)	Sample Elevation (ft msl)	Ground Surface Elevation (ft msl)	Stratigraphic Unit	Field Parameters (c)						Analytical Results (a,b)												
													Detected VOCs (ug/L)											TPH (ug/L)	
							Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	pH	Temperature (°C)	Turbidity (NTU)	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Benzene	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	Toluene	Trichlorotrifluoroethane	Other VOCs	TPH-g	TEPH
Former Marchant/Whitney Site																									
PW-A	PW-A-26-30	8/12/2011	26 to 30	-13.4 to -17.4	12.6	CQa	765	2.8	116	6.5	18.9	5,999	**6.5**	3.51	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	PW-A-37-41	8/10/2011	37 to 41	-24.4 to -28.4		CQa	742	0.69	74	7.08	19.5	2,000	**22,700**	<100	<100	<100	<100	<100	<100	<100	<100	<100	ND	4,430 CO	<50
PW-B	PW-B-10-15	8/10/2011	10 to 15	2.6 to -2.4	12.6	TEA	--	--	--	--	--	--	**1,540**	**406**	**23.9**	<10	<10	<10	<10	<10	<10	<10	ND	442 CO	<83
	PW-B-25-29	8/10/2011	25 to 29	-12.4 to -16.4		CQa	796	0.42	-11	6.95	19.5	5,999	**48.8**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	<50	<100
	PW-B-30-34	8/10/2011	30 to 34	-17.4 to -21.4		CQa	948	0.38	44	6.96	19.6	5,999	**65,100**	<500	<500	<500	<500	<500	<500	<500	<500	<500	ND	15,800 CO	<50
	PW-B-40-44	8/24/2011	40 to 44	-27.4 to -31.4		CQa	1,030	3.06	31	6.96	18.8	5,999	**153,000**	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	ND	--	--
PW-C	PW-C-9-14	8/10/2011	9 to 14	3.5 to -1.5	12.5	CQa	745	0.23	111	6.63	18.7	19.1	**7.76**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	PW-C-22-26	8/11/2011	22 to 26	-9.5 to -13.5		CQa	791	0.2	-8	6.78	19.3	2,000	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	PW-C-31-35	8/11/2011	31 to 35	-18.5 to -22.5		CQa	656	0.17	-31	6.82	19.4	889	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
PW-D	PW-D-8-13	8/9/2011	8 to 13	4.6 to -0.4	12.6	CQa	778	2.14	67	6.96	18.8	2,000	1.28	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	<50	<50
	PW-D-20-24	8/9/2011	20 to 24	-7.4 to -11.4		CQa	--	--	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	PW-D-25-29	8/9/2011	25 to 29	-12.4 to -16.4		CQa	--	--	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	<50	<100
PW-E	PW-E-6-11	8/9/2011	6 to 11	6.6 to 1.6	12.6	TEA	738	0.41	102	6.37	18.5	623	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	PW-E-18-22	8/9/2011	18 to 22	-5.4 to -9.4		CQa	742	0.33	46	6.74	19	5,999	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	PW-E-24-28	8/9/2011	24 to 28	-11.4 to -15.4		CQa	--	--	--	--	--	--	**20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
PW-F	PW-F-10-15	8/24/2011	10 to 15	2.7 to -2.4	12.6	TEA	--	--	--	--	--	--	**46,400**	**1,340**	<400	<400	<400	<400	<400	<400	<400	<400	ND	--	--
	PW-F-21-25	8/23/2011	21 to 25	-8.4 to -12.4		CQa	--	--	--	--	--	--	**155,000**	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	ND	--	<50
	PW-F-32-36	8/24/2011	32 to 36	-19.4 to -23.4		CQa	1,374	2.72	-14	6.81	23.8	520	**171,000**	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	ND	--	--
	PW-F-38-42	8/23/2011	38 to 42	-25.4 to -29.4		CQa	694	1.83	-56	7.32	21	1,343	**41,100**	<500	<500	<500	<500	<500	<500	<500	<500	<500	ND	--	--
	PW-F-46-50	8/24/2011	46 to 50	-33.4 to -37.4		FQa	--	--	--	--	--	--	**7,230**	<50	<50	<50	<50	<50	<50	<50	<50	<50	ND	--	--
PW-G	PW-G-7-12	8/23/2011	7 to 12	5.6 to 0.6	12.6	TEA	--	--	--	--	--	--	**254**	**59**	**14.2**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	ND	--	--
	PW-G-28-32	8/23/2011	28 to 32	-15.4 to -19.4		CQa	769	0.64	-54	6.93	19.4	2,000	**11,600**	<100	<100	<100	<100	<100	<100	<100	<100	<100	ND	--	--
	PW-G-33-37	8/23/2011	33 to 37	-20.4 to -24.4		CQa	603	0.95	-100	9.55	19.2	1,101	**47,700**	<250	<250	<250	<250	<250	<250	<250	<250	<250	ND	--	<50
	PW-G-45-49	8/23/2011	45 to 49	-32.4 to -36.4		FQa	--	--	--	--	--	--	**18.3**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
PW-H	PW-H-18-22	8/23/2011	18 to 22	-5.4 to -9.4	12.6	CQa	--	--	--	--	--	--	**3,420**	<40	<40	<40	<40	<40	<40	<40	<40	<40	ND	--	--
	PW-H-24-28	8/23/2011	24 to 28	-11.4 to -15.4		CQa	635	0.8	-51	7.1	19.4	5,999	3.29	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	PW-H-39-44	8/22/2011	39 - 44	-26.4 to -31.4		CQa	584	1	2	6.9	20.4	442	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
PW-I	PW-I-10-15	8/22/2011	10 to 15	2.6 to -2.4	12.6	CQa	742	0.98	46	6.62	18.8	68.8	1.72	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	PW-I-27-32	8/22/2011	27 to 32	-14.4 to -19.4		CQa	563	1.16	-14	6.87	19.8	5,999	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	PW-I-37-42	8/22/2011	37 to 42	-24.4 to -29.4		CQa	--	--	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
PW-J	PW-J-10-15	8/23/2011	10 to 15	2.6 to -2.4	12.6	TEA	956	6.51	33	6.9	19.8	2,000	**1,040**	**301**	**43.9**	<10	<10	<10	<10	<10	<10	<10	ND	--	--
	PW-J-20-24	8/24/2011	20 to 24	-7.4 to -11.4		CQa	839	3.68	-22	7	17	347	**268,000**	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	ND	--	--
	PW-J-30-34	8/24/2011	30 to 34	-17.34 to -21.4		CQa	1,247	4.7	26	6.93	16.3	702	**274,000**	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	ND	--	<50
PW-K	PW-K-10-15	8/22/2011	10 to 15	2.6 to -2.4	12.6	TEA	856	5.71	45	6.95	19	5,999	**5.67**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	PW-K-21-25	8/22/2011	21 to 25	-8.4 to -12.4		CQa	647	4.85	23	6.98	19.3	2,000	2.04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	PW-K-27-31	8/22/2011	27 to 31	-14.4 to -18.4		CQa	613	3.33	35	7.06	19.5	5,999	0.85	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
						MCLs	**na**	**na**	**na**	**na**	**na**	**na**	**5**	**6**	**10**	**0.5**	**1**	**5**	**0.5**	**6**	**150**	**1,200**	**na**	**na**	**na**

TABLE 5-1a
SUMMARY OF FIELD PARAMETERS AND ANALYTICAL RESULTS FOR DETECTED VOCs AND TPH FOR GRAB GROUNDWATER SAMPLES
Former Marchant/Whitney Site
Emeryville, California

Location ID (d)	Sample ID	Sample Date	Sample Depth (ft bgs)	Sample Elevation (ft msl)	Ground Surface Elevation (ft msl)	Stratigraphic Unit	Field Parameters (c)						Analytical Results (a,b)												
													Detected VOCs (ug/L)											TPH (ug/L)	
							Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	pH	Temperature (°C)	Turbidity (NTU)	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Benzene	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	Toluene	Trichlorotrifluoroethane	Other VOCs	TPH-g	TEPH
Former Marchant/Whitney Site																									
PW-L	PW-L-23-27	8/11/2011	23 to 27	-11.4 to -15.4	11.6	CQa	1,387	0.47	65	6.56	17.7	2,000	3.22	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	<50	<50
	PW-L-28-32	8/11/2011	28 to 32	-16.4 to -20.4		CQa	1,106	0.48	34	6.76	18.3	929	**24,500**	<200	<200	<200	<200	<200	<200	<200	<200	<200	ND	4,510 CO	<50
	PW-L-37-41	8/11/2011	37 to 41	-25.4 to -29.4		CQa	723	0.26	-47	6.99	18.8	881	**1,260**	<10	<10	<10	<10	<10	<10	<10	<10	<10	ND	--	--
PW-M	PW-M-22-26	8/25/2011	22 to 26	-10.2 to -14.2	11.8	CQa	--	--	--	--	--	--	**205,000**	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	ND	--	<50
	PW-M-30-34	8/25/2011	30 to 34	-18.2 to -22.2		CQa	1,168	1.22	-4	6.88	20	699	**51,200**	<400	<400	<400	<400	<400	<400	<400	<400	<400	ND	--	--
	PW-M-38-42	8/25/2011	38 to 42	-26.2 to -30.2		CQa	643	0.46	53	6.96	19.9	588	**6,140**	<50	<50	<50	<50	<50	<50	<50	<50	<50	ND	--	--
PW-N (e)	PW-N-11-16	8/25/2011	11 to 16	0.9 to -4.1	11.9	TEA	--	--	--	--	--	--	**6,860**	**1,360**	**190**	<40	<40	<40	<40	<40	<40	<40	ND	--	--
	PW-N-22-26	8/26/2011	22 to 26	-10.1 to -14.1		TEA	--	--	--	--	--	--	**100,000**	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	ND	--	--
PW-O	PW-O-22-26	8/26/2011	22 to 26	-9.9 to -13.9	12.1	CQa	--	--	--	--	--	--	**838,000**	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	ND	--	--
	PW-O-29-33	8/26/2011	29 to 33	-16.9 to -20.9		CQa	161	5.82	147	7.01	24.8	757	**431,000**	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	ND	68,100 CO	<50
	PW-O-36-40	8/26/2011	36 to 40	-23.9 to -27.9		CQa	788	0.29	94	6.99	20.2	882	**21,900**	<250	<250	<250	<250	<250	<250	<250	<250	<250	ND	5,050 CO	<50
PW-P	PW-P-20-24	8/12/2011	20 to 24	-7.6 to -11.6	12.4	CQa	264	4.46	57	6.6	20.7	2,000	**920**	**125**	<10	**13.5**	<10	**12.4**	<10	**86.6**	<10	148	ND	355 CO	<50
	PW-P-29-33	8/12/2011	29 to 33	-16.6 to -20.6		CQa	188	0.56	-56	6.59	24.9	312	**111**	<1	<1	<1	<1	<1	<1	<1	<1	<1	ND	--	--
	PW-P-38-42	8/12/2011	38 to 42	-25.6 to -29.6		CQa	--	--	--	--	--	--	**6.72**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
PW-Q	PW-Q-8-13	8/8/2011	8 to 13	4.6 to -0.4	12.6	TEA	--	--	--	--	--	--	**970**	**30.2**	<10	<10	<10	<10	<10	<10	<10	<10	ND	--	--
	PW-Q-22-26	8/8/2011	22 to 26	-9.4 to -13.4		TEA/CQa	1,274	0.81	5	6.74	21.2	367	**11,600**	<100	<100	<100	<100	<100	<100	<100	<100	<100	ND	3,690 CO	963
	PW-Q-29-33	8/8/2011	29 to 33	-16.4 to -20.4		CQa	1,157	0.25	40	6.83	21.4	2,000	**461,000**	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	ND	75,300 CO	250
	PW-Q-38-42	8/10/2011	38 to 42	-25.4 to -29.4		CQa	--	--	--	--	--	--	**3,890**	<25	<25	<25	<25	<25	<25	<25	<25	<25	ND	--	--
PW-R	PW-R-17-21	8/9/2011	17 to 21	-4.3 to -8.3	12.7	CQa	915	0.27	5	6.73	19.8	686	**59.4**	**10.1**	0.53	<0.5	<0.5	<0.5	<0.5	**9.14**	0.68	<0.5	ND	--	--
	PW-R-25-29	8/9/2011	25 to 29	-12.3 to -16.3		CQa	639	5.7	116	6.23	20.1	5,999	0.53	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
PW-S	PW-S-8-13	8/8/2011	8 to 13	5.4 to 0.4	13.4	TEA	--	--	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	<50	<50
	PW-S-22-26	8/8/2011	22 to 26	-8.6 to -12.6		CQa	635	1.72	21	6.76	20.4	5,999	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	<50	<50
	PW-S-27-31	8/8/2011	27 to 31	-13.6 to -17.6		CQa	637	5.85	65	7.53	25.1	5,999	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
						MCLs	**na**	**na**	**na**	**na**	**na**	**na**	**5**	**6**	**10**	**0.5**	**1**	**5**	**0.5**	**6**	**150**	**1,200**	**na**	**na**	**na**
Field QA/QC Samples - Former Marchant/Whitney Site																									
Equipment Blank	EB08102011	8/10/2011	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
Equipment Blank	EB08122011	8/12/2011	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	<50	<50
Equipment Blank	EB08222011	8/22/2011	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	<50	<50
Trip Blank	TB08082011	8/8/2011	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
Trip Blank	TB08102011	8/10/2011	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
Trip Blank	TB08122011	8/12/2011	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
Trip Blank	TB08222011	8/22/2011	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
Trip Blank	TB08242011-1	8/24/2011	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
Trip Blank	TB08252011	8/25/2011	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--

TABLE 5-1a
SUMMARY OF FIELD PARAMETERS AND ANALYTICAL RESULTS FOR DETECTED VOCs AND TPH FOR GRAB GROUNDWATER SAMPLES
Former Marchant/Whitney Site
Emeryville, California

Location ID (d)	Sample ID	Sample Date	Sample Depth (ft bgs)	Sample Elevation (ft msl)	Ground Surface Elevation (ft msl)	Stratigraphic Unit	Field Parameters (c)						Analytical Results (a,b)												
													Detected VOCs (ug/L)											TPH (ug/L)	
							Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	pH	Temperature (°C)	Turbidity (NTU)	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Benzene	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	Toluene	Trichlorotrifluoroethane	Other VOCs	TPH-g	TEPH
South Bayfront																									
ACPT-A	ACPT-A-16-20	3/12/2012	16 to 20	-6.5 to -10.5	9.5	CQa	--	--	--	--	--	--	**17.5**	1.93	<0.5	<0.5	0.51	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	ACPT-A-21-25	3/12/2012	21 to 25	-11.5 to -15.5		CQa	--	3.54	-24	7.35	15.25	--	2.94	1.53	<1	<1	<1	<1	<1	<1	<1	<1	ND	--	--
	ACPT-A-39-45	3/12/2012	39 to 45	-29.5 to -35.5		FQa	--	5.04	-26	7.18	17.33	--	**5.18**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	ACPT-A-60-64	3/12/2012	60 to 64	-50.5 to -54.5		FQa	--	4.82	-11	7.39	14.63	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
ACPT-B	ACPT-B-18-22	3/12/2012	18 to 22	-8.1 to -12.1	9.9	TEA/CQa	942	4.39	23	6.30	17.47	--	0.98	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	ACPT-B-24-28	3/12/2012	24 to 28	-14.1 to -18.1		CQa	1,095	1.33	23	6.81	17.84	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	ACPT-B-29-33	3/12/2012	29 to 33	-19.1 to -23.1		CQa	1,066	0.90	-27	6.79	17.72	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	ACPT-B-36-45	3/12/2012	36 to 45	-26.1 to -35.1		CQa/FQa	758	4.45	13	7.00	17.97	--	**22.4**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	ACPT-B-62-66	3/13/2012	62 to 66	-52.1 to -56.1		FQa	--	3.01	140	5.86	12.41	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
ACPT-C	ACPT-C-17-22	3/13/2012	17 to 22	-5.2 to -10.2	11.8	TEA/CQa	958	8.41	77	7.7	9.5	--	0.99	0.54	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	ACPT-C-27-32	3/16/2012	27 to 32	-15.2 to -20.2		CQa	785	0.83	-224	7.27	14.69	--	1.07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	ACPT-C-39-44	3/13/2012	39 to 44	-27.2 to -32.2		CQa	375	5.58	72	7.95	8.46	--	**1,700**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	ACPT-C-50-55	3/13/2012	50 to 55	-38.2 to -43.2		FQa	732	5.53	67	7.93	8.62	--	1.35	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	ACPT-C-64-68	3/13/2012	64 to 68	-52.2 to -56.2		FQa	702	1.79	2	7.92	8.95	--	0.61	<0.5	<0.5	<0.5	0.81	<0.5	<0.5	<0.5	0.78	<0.5	ND	--	--
ACPT-D	ACPT-D-9-15	3/16/2012	9 to 15	2.3 to -3.7	11.3	TEA	714	6.05	-43	7.28	15.19	--	**2,250**	**377**	**58.4**	<20	<20	<20	<20	<20	<20	<20	ND	--	--
	ACPT-D-22-26	3/16/2012	22 to 26	-10.7 to -14.7		CQa	922	4.67	-74	7.24	14.41	--	**820**	**25.7**	<5	<5	<5	<5	<5	<5	<5	<5	ND	--	--
	ACPT-D-29-35	3/16/2012	29 to 35	-17.7 to -23.7		CQa	800	2.87	-73	7.3	14.55	--	**4,960**	<25	<25	<25	<25	<25	<25	<25	<25	<25	ND	--	--
	ACPT-D-37-42	3/16/2012	37 to 42	-25.7 to -30.7		CQa	780	3.24	-87	7.63	14.21	--	**16,300**	<100	<100	<100	<100	<100	<100	<100	<100	<100	ND	--	--
	ACPT-D-62-67	3/16/2012	62 to 67	-50.7 to -55.7		FQa	656	2.79	-168	8.04	14.27	--	**43.2**	**7.19**	0.88	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
ACPT-E	ACPT-E-22-26	3/16/2012	22 to 26	-7.4 to -11.4	14.6	CQa	1,407	3.11	-113	7.11	16.09	--	1.46	0.62	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
ACPT-F	ACPT-F-20-26	3/14/2012	20 to 26	-4.8 to -10.8	15.3	TEA/CQa	1,036	5.24	37	7.76	15.72	--	**15.7**	4.41	1.25	**0.70**	0.61	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
ACPT-G	ACPT-G-15-20	3/15/2012	15 to 20	-2.2 to -7.2	12.8	CQa	786	7.94	166	6.64	12.5	--	**2,560**	**777**	**109**	<20	<20	<20	<20	<20	<20	<20	ND	--	--
	ACPT-G-33-37	3/15/2012	33 to 37	-20.2 to -24.2		CQa	1,152	8.61	140	7.12	12.54	--	2.92	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	ACPT-G-40-46	3/15/2012	40 to 46	-27.2 to -33.2		CQa	753	6.26	-36	7.63	12.67	--	**1,860**	<10	<10	<10	<10	<10	<10	<10	<10	<10	ND	--	--
	ACPT-G-65-70	3/15/2012	65 to 70	-52.2 to -57.2		FQa	795	6.29	-44	10.44	12.7	--	3.52	2.46	<0.5	<0.5	0.84	<0.5	<0.5	<0.5	0.61	<0.5	ND	--	--
ACPT-H	ACPT-H-16-21	3/15/2012	16 to 21	-2.6 to -7.6	13.4	CQa	762	7.67	115	7.06	12.33	--	**2,010**	**812**	**104**	<20	<20	<20	<20	<20	<20	<20	ND	--	--
	ACPT-H-25-30	3/15/2012	25 to 30	-11.6 to -16.6		CQa	1,616	5.78	2	7.21	12.52	--	**92.9**	**61.1**	**10.5**	**1.83**	<0.5	<0.5	**0.68**	0.98	<0.5	<0.5	ND	--	--
	ACPT-H-45-50	3/15/2012	45 to 50	-31.6 to -36.6		FQa	722	9.06	-22	7.99	13.35	--	3.24	0.85	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	ACPT-H-65-70	3/15/2012	65 to 70	-51.6 to -56.6		FQa	930	5.08	-24	8.02	13.69	--	**7.66**	3.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
ACPT-I	ACPT-I-12-18	3/14/2012	12 to 18	0.6 to -5.4	12.6	TEA/CQa	558	10.2	170	6.89	8.04	--	**3,360**	**1,260**	**60.1**	**37.3**	<25	<25	<25	<25	<25	<25	ND	--	--
	ACPT-I-29-35	3/14/2012	29 to 35	-16.4 to -22.4		CQa	956	11	130	7.99	8.00	--	1.3	3.53	<0.5	**1.00**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	ACPT-I-29-35DUP	3/14/2012					--	--	--	--	--	--	1.05	3.73	<0.5	**1.12**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	ACPT-I-45-50	3/14/2012	45 to 50	-32.4 to -37.4		FQa	542	9.3	-43	7.99	8.11	--	**67.7**	**34.6**	<0.5	<0.5	0.59	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	ACPT-I-52-58	3/14/2012	52 to 58	-39.4 to -45.4		FQa	416	10.04	74	7.38	9.74	--	0.82	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	ACPT-I-67-72	3/14/2012	67 to 72	-54.4 to -59.4		FQa	835	4.41	26	8.88	17.95	--	**6.09**	3.57	<0.5	<0.5	0.60	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
ACPT-J	ACPT-J-12-18	3/19/2012	12 to 18	-2.1 to -8.1	9.9	TEA/CQa	1,329	2.76	-141	7.19	15.64	--	**140**	**26.7**	8.91	<1	<1	<1	<1	1.1	<1	<1	ND	--	--
ACPT-K	ACPT-K-26-30	3/19/2012	26 to 30	-17 to -21	9.0	TEA	1,634	3.12	-148	6.98	16.86	--	1.1	2.49	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	ACPT-K-42-46	3/19/2012	42 to 46	-33 to -37		CQa	737	3.07	-184	7.48	16.24	--	1.68	0.66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	ACPT-K-62-66	3/19/2012	62 to 66	-53 to -57		FQa	1,026	2.67	-82	7.82	17.18	--	0.56	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.70	<0.5	ND	--	--
ACPT-L	ACPT-L-21-27	3/19/2012	21 to 27	-10.5 to -16.5	10.5	CQa	2,288	2.45	-88	7.03	17.24	--	**8.92**	**52.3**	**18.7**	**0.84**	<0.5	<0.5	<0.5	0.90	<0.5	<0.5	ND	--	--
	ACPT-L-29-33	3/19/2012	29 to 33	-18.5 to -22.5		CQa	2,096	3.86	-62	7.01	16.35	--	<0.5	2.29	0.54	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	ACPT-L-44-48	3/19/2012	44 to 48	-33.5 to -37.5		FQa	732	2.99	-143	7.31	16.61	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	ACPT-L-67-72	3/19/2012	67 to 72	-56.5 to -61.5		FQa	1,036	3.45	-65	7.38	16.73	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
						MCLs	**na**	**na**	**na**	**na**	**na**	**na**	**5**	**6**	**10**	**0.5**	**1**	**5**	**0.5**	**6**	**150**	**1,200**	**na**	**na**	**na**
Field QA/QC Samples - South Bayfront																									
Equipment Blank	EB031512	3/15/2012	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
Trip Blank	TB03122012	3/12/2012	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
Duplicate	ACPT-I-29-35	3/14/2012	29 to35	-16.4 to -22.4	12.6	CQa	956	11	130	7.99	8.00	--	1.3	3.53	<0.5	**1.00**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
	ACPT-I-29-35DUP	3/14/2012					--	--	--	--	--	--	1.05	3.73	<0.5	**1.12**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	--	--
						Relative Percent Difference for Duplicate Samples							**21%**	**6%**	NC	**11%**	NC	NC	NC	NC	NC	NC	NC	--	--

TABLE 5-1a
SUMMARY OF FIELD PARAMETERS AND ANALYTICAL RESULTS FOR DETECTED VOCs AND TPH FOR GRAB GROUNDWATER SAMPLES
Former Marchant/Whitney Site
Emeryville, California

Abbreviations:

°C = degrees Celsius
"--" = not analyzed
<0.5 = Not detected above the stated laboratory reporting limit
CO = Hydrocarbon response in gasoline range but does not resemble gasoline (f).
CQa = Coarse Quaternary Alluvial Unit (bottom elevation ranges from approximately -20 to -43 feet msl)
EPA = Environmental Protection Agency
FQa= Fine Quaternary Alluvial Unit (bottom elevation not encountered, deeper than approximately -43 feet msl)
ft bgs = feet below ground surface
ft msl = feet above mean sea level
MCLs = California Department of Public Health Drinking Water Maximum Contaminant Levels
mg/L = milligrams per liter
mV = millivolts
na = not available
NC = not calculated
NTU = nephelometric turbidity unit
QA/QC = quality assurance/quality control
TEA = Transitional Estuarine-Alluvial Unit (bottom elevation ranges from approximately -8 to -18 ft msl)
TEPH = total extractable petroleum hydrocarbons
TPH = total petroleum hydrocarbons
TPH-g = total petroleum hydrocarbons, gasoline range organics
ug/L = micrograms per liter
uS/cm = microsiemens per centimeter
VOCs = Volatile Organic Compounds

Notes:

(a) Groundwater samples were analyzed using the following methods:
VOCs using EPA Method 8260B;
TPH-g using EPA Method 8015 (modified);
TEPH (C12-C34) with silica gel cleanup using EPA Method 8015 (modified);
Analyses were performed by K-Prime, Inc., Santa Rosa, California.
(b) Concentrations that exceed the MCLs are shown in **bold** font.
(c) Field parameters were measured using a calibrated multi-parameter water quality meter.
(d) No samples were collected at the following locations due to lack of sufficient groundwater sample recovery (see Table 3-1a): (1) PW-A from 9 to 14 and 30 to 34 ft bgs, (2) PW-G from 38 to 42 ft bgs, (3) PW-H from 10 to 15 ft bgs, (4) PW-J from 46 to 51 ft bgs, (5) PW-L from 8 to 13 ft bgs, (6) PW-M from 10 to 15 ft bgs, (7) PW-O from 11 to 16 ft bgs, (8) PW-P from 9 to 14 ft bgs, (9) PW-R from 7 to 12 ft bgs, and (10) ACPT-K from 13 to 18 ft bgs.
(e) See Table 5-1c for results of the separate phase liquid sample collected from PW-N at 30-34 ft bgs.
(f) Explanation of gasoline range organic pattern as stated in the analytical laboratory report is "The sample chromatograph response is in the gasoline hydrocarbon range, but response pattern does not resemble gasoline".

TABLE 5-1b
SUMMARY OF ANALYTICAL RESULTS FOR DISSOLVED METALS FOR GRAB GROUNDWATER SAMPLES
Former Marchant/Whitney Site
Emeryville, California

Location ID	Sample ID	Sample Date	Sample Depth (ft bgs)	Sample Elevation (ft msl)	Ground Surface Elevation (ft msl)	Stratigraphic Unit	Analytical Results (a,b)																	
							Dissolved Title 22 Metals (ug/L) (c)																	
							Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium, Total	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Hexavalent Chromium
Former Marchant/Whitney Site																								
PW-F	PW-F-21-25 (d)	8/23/2011	21 to 25	-8.4 to -12.4	12.6	CQa	<1	<1	285	<1	<1	<1	2.88	<1	<1	<0.2	7.05	11.1	<1	<1	<1	<1	1.08	--
PW-G	PW-G-7-12	8/23/2011	7 to 12	5.6 to 0.6	12.6	TEA	<1	<1	123	<1	<1	7.16	3.16	5.92	<1	<0.2	57	13.7	<1	<1	<1	1.02	6.19	--
	PW-G-33-37	8/23/2011	33 to 37	-20.4 to -24.4		CQa	<1	<1	42	<1	<1	12.8	<1	1.33	<1	<0.2	34	1.99	<1	<1	<1	12.8	<1	--
PW-H	PW-H-18-22	8/23/2011	18 to 22	-5.4 to -9.4	12.6	CQa	<1	<1	129	<1	<1	1.79	9.56	1.46	<1	<0.2	13.2	13.4	<1	<1	<1	1.57	2.83	--
PW-J	PW-J-20-24 (d)	8/24/2011	20 to 24	-7.4 to -11.4	12.6	CQa	<1	<1	175	<1	<1	<1	4.61	<1	<1	<0.2	18.1	7.85	<1	<1	<1	<1	1.23	--
PW-M	PW-M-22-26	8/25/2011	22 to 26	-10.2 to -14.2	11.8	CQa	<1	<1	485	<1	<1	2.82	15.4	3.01	<1	<0.2	9.28	16.5	<1	<1	<1	1.74	5.51	--
PW-N	PW-N-11-16 (d)	8/25/2011	11 to 16	0.9 to -4.1	11.9	TEA	<1	<1	69.2	<1	<1	2.65	19.2	4.44	<1	0.744	12.6	7.73	<1	<1	<1	<1	2.75	--
PW-O	PW-O-22-26 (d)	8/26/2011	22 to 26	-9.9 to -13.9	12.1	CQa	<1	<1	371	<1	<1	14.7	45.2	8.73	<1	<0.2	28.8	47.2	<1	<1	<1	<1	1.93	<0.2
	PW-O-29-33	8/26/2011	29 to 33	-16.9 to -20.9		CQa	<1	<1	547	<1	<1	5.04	1.84	3.55	<1	<0.2	13.2	4.27	<1	<1	<1	<1	1.49	<0.2
	PW-O-36-40	8/26/2011	36 to 40	-23.9 to -27.9		CQa	<1	<1	255	<1	<1	1.32	1.4	1	<1	<0.2	7.62	2.95	<1	<1	<1	<1	1.94	<0.2
						MCLs (e)	**6**	**10**	**1,000**	**4**	**5**	**50**	**na**	**1,300**	**15**	**2**	**na**	**100**	**50**	**na**	**2**	**na**	**na**	**50**
Field QAQC Samples																								
Equipment Blank	EB08222011 (f)	8/22/2011	--	--	--	--	<1	<1	2.17	<1	<1	2.13	<1	1.91	<1	<0.2	<1	2.75	<1	<1	<1	<1	10.3	--
Filter Blank	FB08242011 (g)	8/24/2011	--	--	--	--	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.2	<1	<1	<1	<1	<1	<1	1.97	--
5X Maximum Reported Concentration (8/22/2011)							**na**	**na**	**10.9**	**na**	**na**	**10.7**	**na**	**9.6**	**na**	**na**	**na**	**13.8**	**na**	**na**	**na**	**na**	**51.5**	**na**
5X Maximum Reported Concentration (8/24/2011)							**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**9.9**	**na**
Sum of 5X Reported Concentration for EB08222011 and FB08242011							**na**	**na**	**10.9**	**na**	**na**	**10.7**	**na**	**9.6**	**na**	**na**	**na**	**13.8**	**na**	**na**	**na**	**na**	**61.4**	**na**

Abbreviations:

"--" = not analyzed
<1 = Not detected above the stated laboratory reporting limit
CQa = Coarse Quaternary Alluvial (bottom elevation ranges from approximately -20 to -43 feet msl)
CrIII = trivalent chromium
CrVI = hexavalent chromium
EPA = Environmental Protection Agency
ft bgs = feet below ground surface
ft msl = feet above mean sea level
MCLs = Calfiornia Department of Public Health Drinking Water Maximum Contaminant Levels
na = not available
QAQC = quality assurance/quality control
TEA = Transitional Estuarine-Alluvial (bottom elevation ranges from approximately -8 to -18 ft msl)
ug/L = micrograms per liter
um = micrometer

Notes:

(a) Groundwater samples were analyzed for Title 22 metals using EPA Methods 200.8/245.1. Select groundwater samples were analyzed for hexavalent chromium using EPA Method 7199. Analyses were performed by K-Prime, Inc., Santa Rosa, California.
(b) Concentrations that exceed the MCLs are shown in **bold** font.
(c) Samples were either filtered through a 0.45 um filter in the field or filtered by the analytical laboratory prior to analysis.
(d) Groundwater sample was filtered by the analytical laboratory prior to analysis; therefore detected metals concentrations for this groundwater sample should be compared to 5X Maximum Reported Concentration (8/22/2011). The remaining groundwater samples were field filtered and should be compared to the Sum of 5X Reported Concentration for EB08222011 and FB08242011.
(e) A MCL has not yet been established for hexavalent chromium (CrVI). Therefore, CrVI concentrations are compared to the MCL for total chromium (CrIII and CrVI).
(f) EB08222011 was not filtered and therefore is considered to represent total metals not dissolved metals results. EB08222011 is an equipment blank of the drill rod.
(g) FB08242011 is a filter blank of a 0.45 um filter.

TABLE 5-2
SUMMARY OF FIELD PARAMETERS AND ANALYTICAL RESULTS FOR GROUNDWATER MONITORING WELL SAMPLES
Former Marchant/Whitney Site
Emeryville, California

						Field Parameters								Analytical Results (a,b)														
														Detected VOCs (ug/L)						Geochemical Parameters (mg/L)								
																					Major Anions					Major Cations			
Well ID	Sample ID	Sample Date	Well Screen Interval (ft bgs)	Well Screen Interval (ft msl)	Stratigraphic Unit	Purge Volume (ml)	Purge Rate (ml/min)	Conductivity (uS/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	pH	Temperature (°C)	Turbidity (NTU)	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Chloroform	Other VOCs	TEPH (ug/L)	Total Dissolved Solids	Nitrate as Nitrogen	Sulfate	Bromide	Chloride	Alkalinity, total as CaCO3	Calcium, total	Potassium, total	Magnesium, total	Sodium, total
Former Marchant/Whitney Site																													
FMW01	FMW01	3/13/2012	7.3 to 35.3	5.3 to -22.8	TEA/CQa	7,400	200	631	0.16	107	6.88	17.57	27	**36.7**	<0.5	<0.5	<0.5	ND	<52	363	<0.5	27.4	<0.5	54.9	192	32.3	0.859	20.2	41.4
FMW02	FMW02	3/14/2012	7.6 to 35.6	4.6 to -23.4	TEA/CQa	7,000	200	2,482	8.31	103	6.84	17.78	12	**612,000**	<5,000	<5,000	<5,000	ND	<52	1,440	<0.5	66.4	1.72	632	341	183	7.58	117	182
FMW03	FMW03	3/13/2012	7.3 to 17.3	5.8 to -4.2	TEA	9,600	200	2,010	4.19	195	7.47	17.69	14	<0.5	<0.5	<0.5	0.630	ND	<51	1,160	0.695	94.8	1.1	442	235	55.5	13.0	49.0	237
FMW04	FMW04	3/13/2012	20.5 to 35.1	-7.4 to -22	CQa	17,600	220	673	0.81	86	7.24	17.89	4.7	<0.5	<0.5	<0.5	<0.5	ND	<51	377	<0.5	34.7	<0.5	51.3	230	42.1	2.55	24.6	53.3
FMW05	FMW05	3/14/2012	7.3 to 17.3	4.4 to -5.6	TEA	9,000	200	2,222	2.34	200	7.53	17.22	97	**9,720**	**1,340**	<100	<100	ND	<51	1,270	<0.5	165	1.17	376	479	108	7.88	75.8	293
FMW06	FMW06	3/14/2012	19.4 to 35.4	-7.7 to -23.7	CQa	6,600	200	1,312	2.19	117	7.16	17.59	16	**173,000**	<2,000	<2,000	<2,000	ND	<52	748	<0.5	55.4	0.859	283	173	59.2	6.09	45.8	119
FMW07	FMW07	3/13/2012	7.3 to 17.3	5.3 to -4.7	TEA	8,200	200	1,297	0.58	106	6.85	18.92	25	**87.5**	**19.4**	4.25	<0.5	ND	<51	746	7.86	73.2	<0.5	144	329	69.0	7.61	46.3	137
FMW08	FMW08	3/13/2012	19.6 to 35.6	-7 to -23	CQa	18,000	200	724	1.03	128	6.88	19.19	4.9	**34,800**	<250	<250	<250	ND	<51	406	<0.5	39.7	<0.5	67.2	219	44.2	2.94	27.3	57.3
					MCLs	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**5**	**6**	**10**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**

Abbreviations:

°C = degrees Celsius
<0.5 = Not detected above the stated laboratory reporting limit
$CaCO_3$ = calcium carbonate
CQa = Coarse Quaternary Alluvial Unit (bottom elevation ranges from approximately -20 to -43 feet msl)
ft bgs = feet below ground surface
ft msl = feet above mean sea level
MCLs = California Department of Public Health Drinking Water Maximum Contaminant Levels
mg/L = milligrams per liter
ml = milliliter
ml/min = milliliter per minute
mV = millivolts
na = not available
NTU = nephelometric turbidity unit
TEA = Transitional Estuarine-Alluvial Unit (bottom elevation ranges from approximately -8 to -18 ft msl)
TEPH - total extractable petroleum hydrocarbons
ug/L = micrograms per liter
uS/cm = microsiemens per centimeter
VOCs = Volatile Organic Compounds

Notes:

(a) Groundwater samples were analyzed for the following analytes using the following methods:
VOCs using EPA Method 8260B;
TEPH (C12-C34) with silica gel cleanup using EPA Method 8015 (modified);
Total Dissolved Solids using SM 2540C.
Nitrate, Sulfate, Bromide, and Chloride using EPA Method 300.0;
Alkalinity using SM 2320B
Calcium, Potassium, Magnesium, Sodium using EPA 200.8/130.2
Analyses were performed by K-Prime, Inc., Santa Rosa, California.

(b) Concentrations detected above the MCLs are shown in **bold** font.