GROUNDWATER MONITORING REPORT

CIRCLE K STORE #2706042
10171-10173 HIGHWAY 12
NACHES, WASHINGTON

PREPARED FOR:

CIRCLE K STORES INC.
255 EAST RINCON, STE. 100
CORONA, CALIFORNIA 92879

SUBMITTED TO:

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
15 WEST YAKIMA AVENUE, SUITE 200
YAKIMA, WASHINGTON 98902

PREPARED BY:

18011 SKY PARK CIRCLE, STE. H
IRVINE, CALIFORNIA 92614

BLAES PROJECT #202-06042-04

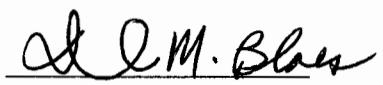
SEPTEMBER 12, 2015

This *Groundwater Monitoring Report* has been prepared by Blaes Environmental Management, Inc. for the exclusive use of Circle K Stores Inc. as it pertains to Circle K Store #2706042 located at 10171-10173 Highway 12 in Naches, Washington. Our professional services have been performed using that degree of care and skill ordinarily exercised under similar circumstances by other geologists, engineers, and environmental consultants practicing in this field. No other warranty, express or implied, is made as to the professional advice in this report. *Any use of or reliance on this report by a third party shall be at such a party's sole risk.*

Blaes Environmental Management, Inc. can offer no assurances and assumes no responsibility for site conditions or activities outside the scope of the inquiry requested by Circle K Stores Inc. as outlined in this document. It should be understood by all parties that Blaes Environmental Management, Inc. has relied on the accuracy of documents, oral information, and other materials, services, and information provided by Circle K Stores Inc., subcontractors, and other associated parties. Any subsequent modification, revision or verification of this report must be provided in writing by Blaes Environmental Management, Inc.

All work associated with this project will be performed under the supervision of a State of Washington Licensed Geologist.

Prepared By:
Blaes Environmental Management, Inc.



Daniel M. Blaes, L.G.
President/Principal Geologist
Washington Geologist/Hydrogeologist #2158

Blaes Project #202-06042-04

September 12, 2015

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1.0 INTRODUCTION

This groundwater monitoring report was prepared by Blaes Environmental Management, Inc. (Blaes Environmental), on behalf of Circle K Stores Inc. (Circle K) for Circle K Store #2706042 located at 10171-10173 Highway 12 in Naches, Washington (Figure 1). This periodic groundwater monitoring program was conducted following a detection of petroleum hydrocarbon constituents in 2013 near the intersection of Naches Avenue and Highway 12.

In August 2015, Blaes Environmental conducted another groundwater monitoring event at the site. The sampling event involved: (1) measuring the depth to groundwater in each monitoring well; (2) collecting a groundwater grab sample from each well; and (3) analyzing each groundwater sample at an analytical laboratory for petroleum constituents. The following sections of this report include the description of the procedures and findings of the monitoring event.

2.0 BACKGROUND INFORMATION

This section presents information regarding the site and provides a summary of the site background. The information was obtained from public records, the project files of Blaes Environmental, and the records of Circle K.

2.1 SITE LOCATION AND LAND USE

The property is located on the northwest corner of the intersection of Naches Avenue and Highway 12 in Naches, Washington. The property is within Section 4, Township 14 North, Range 17 East of the Naches Washington U.S. Geological Survey 7 ½ -minute Topographic Quadrangle. The property consists of a concrete and asphalt-paved lot with one existing single-story building (the Circle K Store) and three product dispensers. The site features are shown on the Site Plan in Figure 2. Global Positioning System (GPS) readings locate the site at approximately latitude 46 degrees, 43 minutes, 43.32 seconds North and longitude 210 degrees, 42 minutes, 01.73 seconds West as measured on Google Earth 2013.

The area surrounding the site consists of a mixture of commercial businesses and residential development. Commercial businesses are located southeast, west, and east-southeast of the site. Residential development is located south (across Highway 12), immediately north, and east (across the Naches Avenue), of the site.

2.2 SITE PHYSIOGRAPHY

The property lies at an elevation of approximately 1468 feet above Mean Sea Level (Google Earth 2013). Natural surface drainage in the area is towards the south-southwest towards the Naches River (U.S. Geological Survey 7 ½ -minute Topographic Quadrangle). On-site drainage is predominantly away from the building, towards the storm drains, to the north and east and east to Naches Avenue.

2.3 SITE LITHOLOGY AND DEPTH TO GROUNDWATER

The soil types in the immediate vicinity consists of Naches River Deposits. These deposits are composed of brown sandy loam with approximately 80 percent gravel, cobbles, and boulders up to approximately two feet (2) in diameter. The highly coarse soils extend to a depth of at least 15 feet below the ground surface.

A detailed hydrogeologic investigation has not been conducted at the site. However, groundwater was encountered within the tank pit at approximately 11 feet below the ground surface in 1992 and logs of wells in the area also show the water level to be between 11 and 13 feet below the ground surface depending on the season of year. Groundwater was encountered at a depth of approximately 10-11 feet below the ground surface within the wells drilled during this investigation. Groundwater flow is estimated to be toward the south-southeast at the site.

2.4 SENSITIVE RECEPTORS

The Naches River is approximately 1,500 feet south of the site and the open irrigation ditch (trending approximately north-south) is approximately 75 feet east of the site. There are no additional surface water bodies or wetlands within one-mile of the site. Residences are located directly north of the site, across Naches Avenue to the east, and across Highway 12 to the south of the site.

The Naches Valley Middle School is located approximately 1,287 feet east-northeast of the site. The Naches Valley Intermediate School is located approximately 1,689 feet east-northeast of the site. The Naches Valley High School is located approximately 2,914 feet north-northwest of the site.

2.5 PREVIOUS INVESTIGATIONS

2.5.1 Limited Site Check: 1992

Previous investigations conducted at the site included a limited site check and sampling program in 1992 at the former Naches Chevron Facility. The investigation indicated gasoline range organics (GRO) in soil and GRO and lead in groundwater, adjacent to the former supreme unleaded gasoline UST, in excess of WDOE "Method A Clean-Up Levels". An Interim Status Report was prepared and submitted to the WDOE by Sage Earth Sciences, Inc. in October 1992. After the leak had been repaired the excavation was reportedly left open for approximately 15 months and then backfilled around the existing USTs.

2.5.2 UST Removal: 1998

In 1994 the three existing USTs were removed and replaced with fiberglass USTs. Subsequent soil and groundwater sampling during the tank removal revealed GRO in the groundwater beneath the site. Concentrations of soluble lead were not found in the soil sample collected at the site. The groundwater sample was not analyzed for soluble lead during this program. A UST Closure Site Assessment & Interim Remediation Report was prepared and submitted to the WDOE by White Shield, Inc. in March 1994.

2.5.3 WDOE Correspondence 1998-2001

In October 1998 the property owner, Mr. Mike Abhold, contacted WDOE indicating that he "believes that natural attenuation mechanisms have cleaned the residual groundwater at this site" and he wanted input from WDOE. WDOE responded to Mr. Abhold indicating that "groundwater samples to confirm natural attenuation and a site cleanup report" would be required. In 2001 the UST file was reviewed by Mr. Brian T. Deeken with WDOE and it was determined that there had been no change of status at the site since 1998. Based on this file review, Mr. John Mefford, L.G. the current WDOE manager for this site contacted Circle K (following the purchase of the site from Sun Pacific Energy) asking for the current site status.

2.5.4 Site Characterization Activities

Circle K contracted Blaes Environmental to conduct a program to determine if groundwater beneath the site had been impacted by petroleum hydrocarbons. The program included drilling and installation of four groundwater monitoring wells and collection and analyses of groundwater samples and the preparation of the October 2013 Site Characterization Report documenting the activities. Cascade Drilling of Woodinville, Washington was contracted to drill the soil borings for the four wells using a hollow-stem auger drilling rig. The boreholes were drilled on July 22 and 23, 2013 to depths ranging from approximately 14 feet below the ground surface (MW-3) to approximately 15' below the ground surface (MW-1) before large cobbles triggered auger refusal.

A total of five soil samples (one from wells MW-2, MW-3, and MW-1 and two from MW-1) were collected during the site characterization program and delivered by Blaes Environmental, under proper chain-of-custody record, to Test America in Seattle, Washington. Soil samples from the soil borings were analyzed for NWTPH-GX (GRO), NWTPH-DX (DRO), and for VOCs including Benzene, Toluene, Ethylbenzene, & Total Xylenes (BTEX), fuel oxygenates including methyl-tert butyl ether (MTBE), and ethylene dibromide (EDB) according to EPA Method 8260. Laboratory analytical results indicated concentrations of m-Xylenes & p-Xylenes (3.4 ug/Kg) and 1,2,4-Trimethylbenzene above laboratory reporting limits in the soil sample collected from the boring at MW-3 near the intersection. No other detectable concentrations of GRO, DRO, BTEX, VOC, or EDB were found in any other soil sample.

2.5.5 Groundwater Monitoring and Sampling

On August 18, 2013 Blaes Environmental conducted a groundwater monitoring and sampling event within the newly installed wells. The groundwater monitoring and sampling event consisted of three

tasks: 1) measuring the depth to groundwater in the wells; 2) purging water from each well using a low-flow device and collecting a groundwater sample; and 3) analyzing the groundwater samples at a State of Washington certified analytical laboratory. A copy of the report entitled *Site Characterization Report*, prepared by Blaes Environmental, dated October 31, 2013, is on file with WDOE.

On August 8, 2014, Blaes Environmental conducted a groundwater monitoring and sampling event within the four groundwater monitoring wells at the site (MW-1, MW-2, MW-3, and MW-4). The groundwater monitoring and sampling event consisted of three tasks: 1) measuring the depth to groundwater in the wells; 2) purging water from each well using low-flow pump and collecting a groundwater sample from each well; and 3) analyzing the groundwater samples at a State of Washington certified analytical laboratory. A copy of the report entitled *Groundwater Monitoring Report*, prepared by Blaes Environmental, dated August 25, 2014, is on file with WDOE.

On December 10, 2014, Blaes Environmental conducted a groundwater monitoring and sampling event within the four groundwater monitoring wells at the site (MW-1, MW-2, MW-3, and MW-4). The groundwater monitoring and sampling event consisted of three tasks: 1) measuring the depth to groundwater in the wells; 2) purging water from each well using low-flow pump and collecting a groundwater sample from each well; and 3) analyzing the groundwater samples at a State of Washington certified analytical laboratory. A copy of the report entitled *Groundwater Monitoring Report*, prepared by Blaes Environmental, dated December 31, 2014, is on file with WDOE.

On May 28, 2015, Blaes Environmental conducted another groundwater monitoring and sampling event within the four groundwater monitoring wells at the site (MW-1, MW-2, MW-3, and MW-4). The groundwater monitoring and sampling event consisted of three tasks: 1) measuring the depth to groundwater in the wells; 2) grabbing a groundwater sample from each well without purging; and 3) analyzing the groundwater samples at a State of Washington certified analytical laboratory. A copy of the report entitled *Groundwater Monitoring Report*, prepared by Blaes Environmental, dated June 8, 2015, is on file with WDOE.

3.0 GROUNDWATER MONITORING PROGRAM

An additional groundwater monitoring and sampling event was conducted at the site in August 2015 by personnel from Blaes Environmental. The objective of the program was to evaluate the current groundwater conditions at the site. Details of the sampling event are provided in the following sections.

3.1 GROUNDWATER MONITORING AND SAMPLING

On August 13, 2015, Blaes Environmental conducted a groundwater monitoring and sampling event within the four groundwater monitoring wells at the site (MW-1, MW-2, MW-3, and MW-4). The groundwater monitoring and sampling event consisted of three tasks: (1) measuring the depth to groundwater in the wells, and (2) analyzing the groundwater grab samples at a State of Washington certified analytical laboratory. A description of each task is presented in the following sections.

3.1.1 Groundwater Depth Measurements and Gradient

The depth to groundwater in each monitoring well was measured to the nearest 0.01 foot using a groundwater level indicator. Depths to water ranged from 9.91 feet (MW-2) to 11.61 feet (MW-4) and averaged 10.77 feet across the site. The water level measurement probe was washed with a Liquinox™ solution and rinsed with tap water before and after each groundwater depth measurement to prevent cross contamination. A summary of the depth to water data from the August 13, 2015 sampling event is included in Table 1. The field data sheets are included in Appendix A.

The depth to groundwater was measured from a permanent mark on the top of the uncapped PVC well casing. Using the elevation of the well casing at that same mark, Blaes Environmental calculated the elevation of groundwater in the well during the monitoring event by subtracting the measured depth to groundwater within the well from the surveyed wellhead elevation. On August 13, 2015, the average groundwater elevation at the site was 1455.65 feet.

The groundwater flow direction was to the south at a gradient of approximately 0.0117 feet/foot. A diagram of the groundwater flow direction and gradient is presented in Figure 3. A hydrograph of groundwater elevations is presented in Figure 4.

3.1.2 Groundwater Sample Collection

Following the measurement of groundwater depths, a groundwater grab sample was collected from

each groundwater monitoring well at the groundwater interface to evaluate the current dissolved petroleum hydrocarbon concentrations in the groundwater. The groundwater samples were placed into laboratory supplied sample containers. The sample containers were sealed with Teflon lined caps, labeled, and placed on ice in a cooler. A written record of the sample was entered onto a chain-of-custody document for transport to the analytical laboratory.

3.1.3 Groundwater Laboratory Analyses

The groundwater samples were delivered to Test America in Fife, Washington for laboratory analyses. The groundwater samples were analyzed for Total Petroleum Hydrocarbons gasoline range organics using method NWTPH-GX; for full list VOCs according to EPA Method 8260B including EDB and EDC. A copy of the groundwater laboratory analytical report is included in Appendix B.

3.1.4 Groundwater Analytical Results

Laboratory analysis of the groundwater samples collected from MW-3 on August 13, 2015 indicated that NWTPH-gas (74,000 ug/L), Benzene (2,400 ug/L), Toluene (2,300 ug/L), Ethylbenzene (1,200 ug/L), Xylenes (3,800 ug/L), Naphthalene (600 ug/L), 1,2,4-Tryimethylbenzene (1,900 ug/L), 1,3,5-Trimethylbenzene (1,300 ug/L), Isopropyltoluene (19 ug/L), Isopropylbenzene (180 ug/L), n-Butylbenzene (710 ug/L) N-Propylbenzene (590 ug/L), sec-Butylbenzene (43 ug/L) and #2 Diesel (110 ug/L) were found in monitoring well MW-3 at concentrations greater than laboratory detection levels some of which were found above their respective MTCA Method A Cleanup Standard. Concentrations of other constituents were found at concentrations lesser than their respective MTCA Cleanup Standards in monitor wells MW-3 and MW-4.

In addition to the findings in MW-3, the laboratory analysis of the groundwater samples collected from MW-1 on August 13, 2015 indicated minor concentrations of Benzene (3.1 ug/L) and Naphthalene (2.6 ug/L) . The laboratory analytical results of the groundwater samples are summarized in Table 2.

4.0 RESULTS AND CONCLUSIONS

Based on the analytical results from the groundwater samples collected on August 13, 2015, Blaes Environmental confirms the continued impact to groundwater with petroleum hydrocarbon constituents. The groundwater concentrations of petroleum hydrocarbon constituents remain elevated in MW-3 above MTCA Cleanup Standards. The hydrocarbon constituents in groundwater continue to appear to be concentrated near the intersection and along the roadway but may have widened out since the previous sampling event in May 2015. The approximate lateral extent of Benzene above MTCA Method A Cleanup Standards in groundwater is shown in Figure 5.

At the direction of Circle K, Blaes Environmental will continue groundwater monitoring activities at the site. The next groundwater sampling event will be conducted in November 2015.

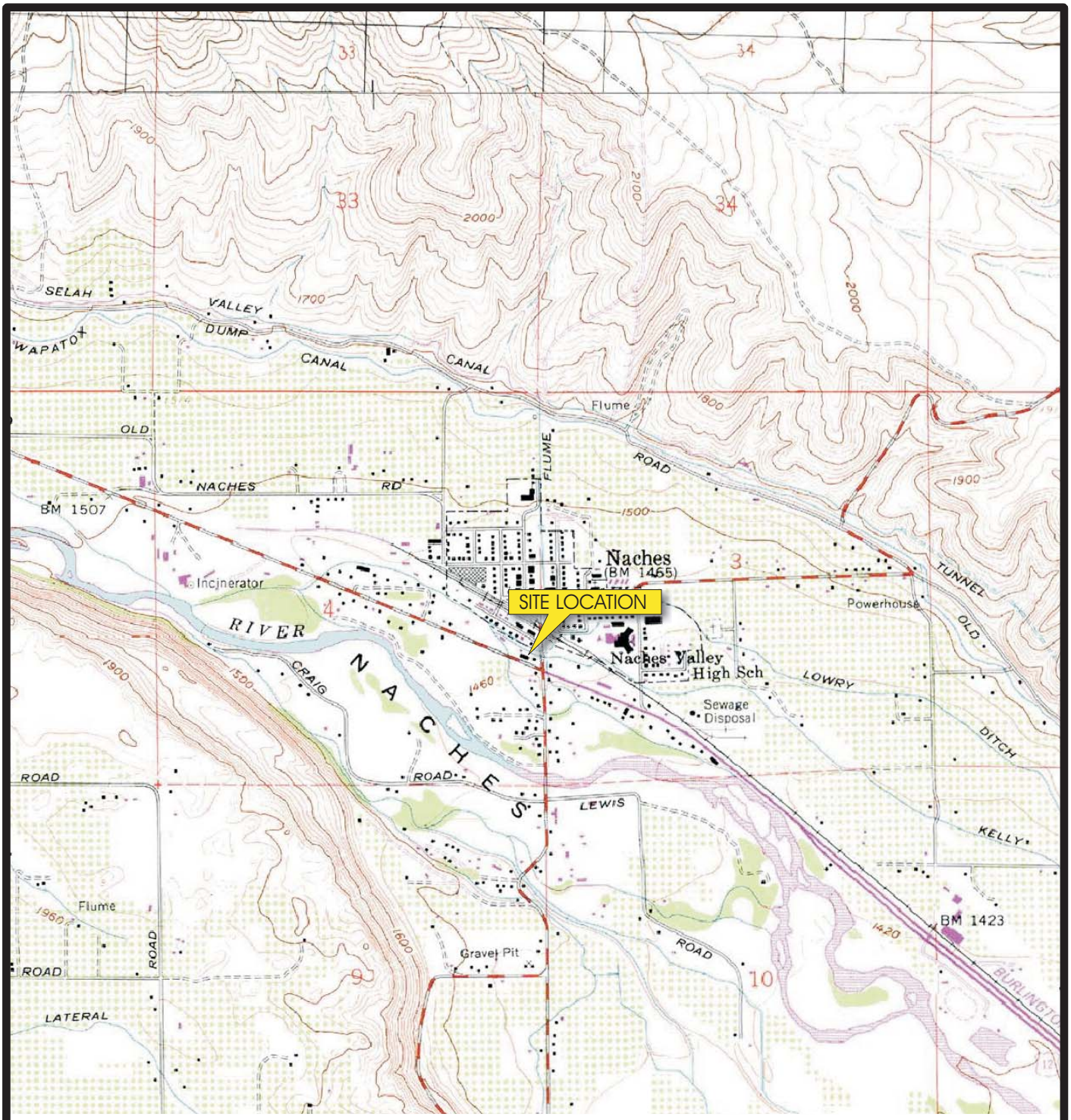
5.0 REFERENCES

White Shield Inc., 1994, UST Closure Site Assessment & Interim Remediation, 47 pg.

Sage Earth Sciences, Inc., 1992, Interim Status Report for a Limited Site Check and Petroleum Contaminated Soil Removal Activities, 36 pg.

Lasmanis, Raymond, 1991, The geology of Washington: Rocks and Minerals, v. 66, no. 4, p. 262-277. © Copyright Heldref Publications (Helen Dwight Reid Educational Foundation).

FIGURES



Source: MapTech Terrain Navigator Naches Quadrangle, 7.5 Minute Topographic Series, 1978

QUADRANGLE LOCATION

Approximate Scale
1:24,000
1 inch = 2000 feet

0 1000 2000 3000 4000

Contour Interval = 20 feet

SITE LOCATION: T14N, R17E, Section 4
46° 43′ 43.23″ North Latitude; 120° 42′ 03.07″ West Longitude

Blaes ENVIRONMENTAL

Couche-Tard
Circle K Stores, Inc.

Circle K Store 2706042
(Former Sunmart #21)
10171-10173 Highway 12
Naches, WA

SITE LOCATION MAP

April 2013	Project #202-06042-02	Figure 1

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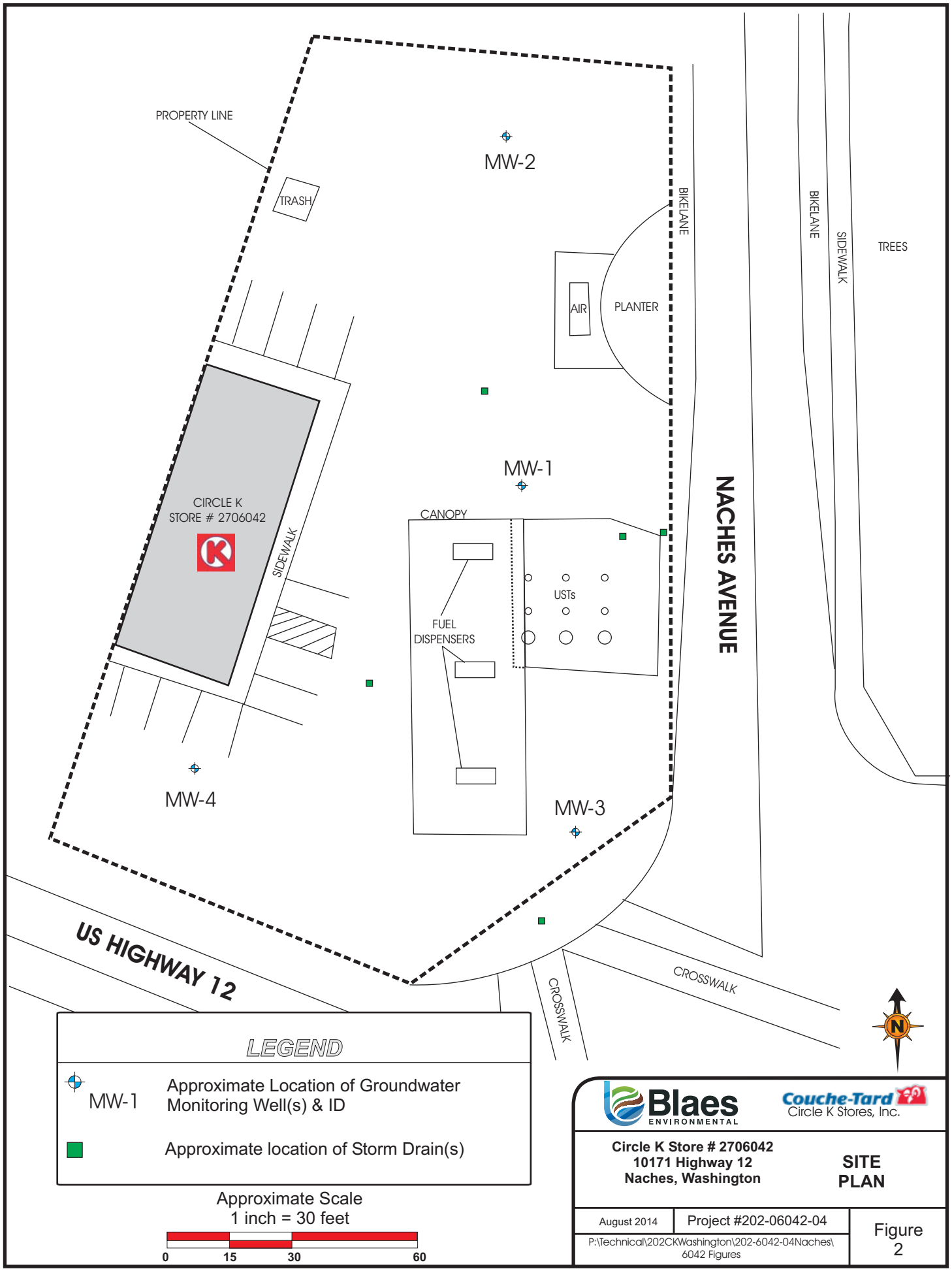

Blaes ENVIRONMENTAL

Couche-Tard
Circle K Stores, Inc.

Circle K Store # 2706042
10171 Highway 12
Naches, Washington

SITE PLAN

August 2014 | Project #202-06042-04

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Figure 2

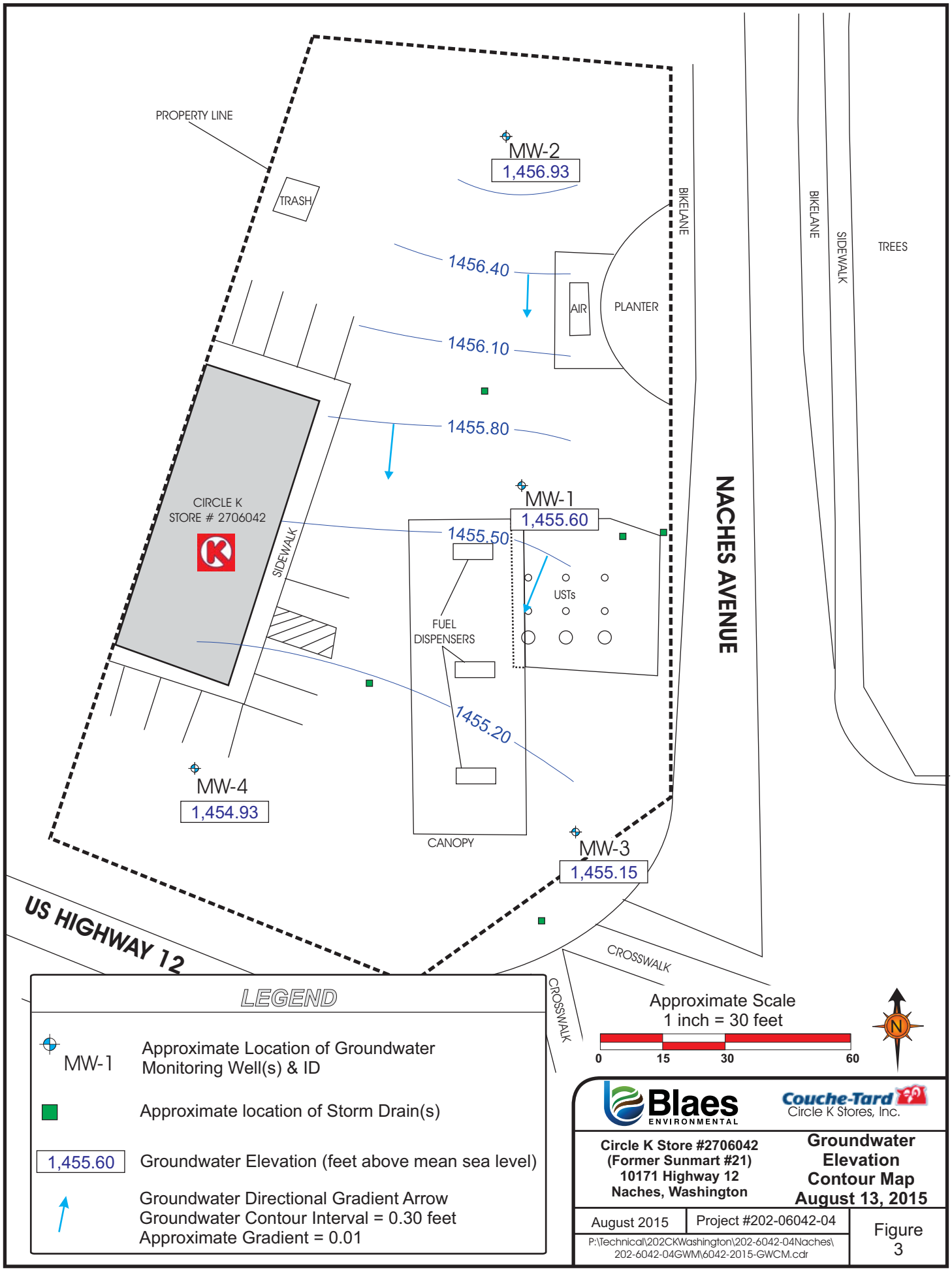
PROPERTY LINE
MW-2
1,456.93
TRASH
BIKELANE
BIKELANE
SIDEWALK
TREES
1456.40
AIR
PLANTER
1456.10
1455.80
CIRCLE K
STORE # 2706042
MW-1
1,455.60
SIDEWALK
1455.50
USTs
FUEL
DISPENSERS
NACHES AVENUE
1455.20
MW-4
1,454.93
CANOPY
MW-3
1,455.15
US HIGHWAY 12
CROSSWALK
CROSSWALK
LEGEND
MW-1
Approximate Location of Groundwater Monitoring Well(s) & ID
Approximate location of Storm Drain(s)
1,455.60
Groundwater Elevation (feet above mean sea level)
Groundwater Directional Gradient Arrow
Groundwater Contour Interval = 0.30 feet
Approximate Gradient = 0.01
Approximate Scale
1 inch = 30 feet
0
15
30
60
N
Blaes
ENVIRONMENTAL
Couche-Tard
Circle K Stores, Inc.
Circle K Store #2706042
(Former Sunmart #21)
10171 Highway 12
Naches, Washington
Groundwater Elevation Contour Map
August 13, 2015
August 2015
Project #202-06042-04
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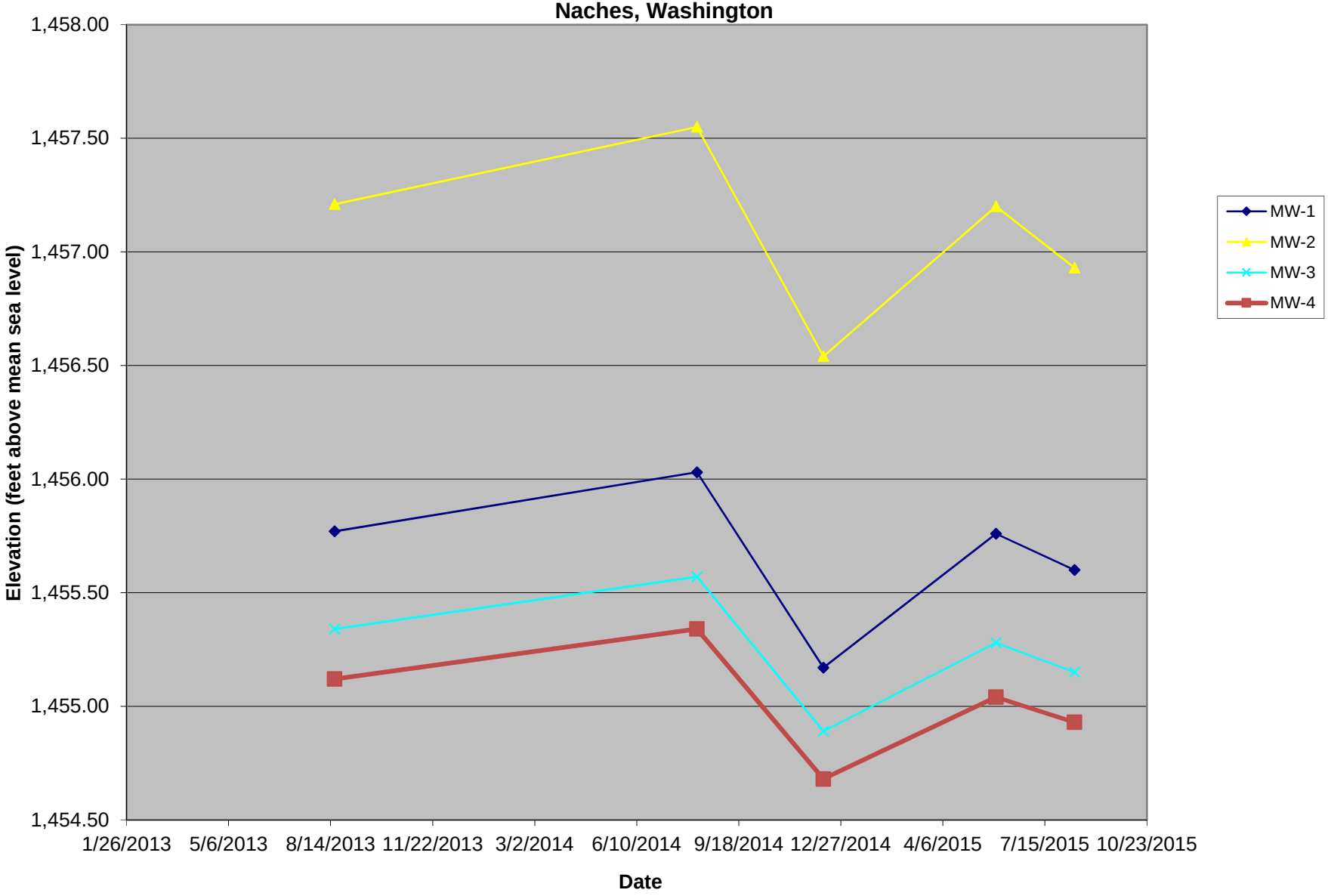
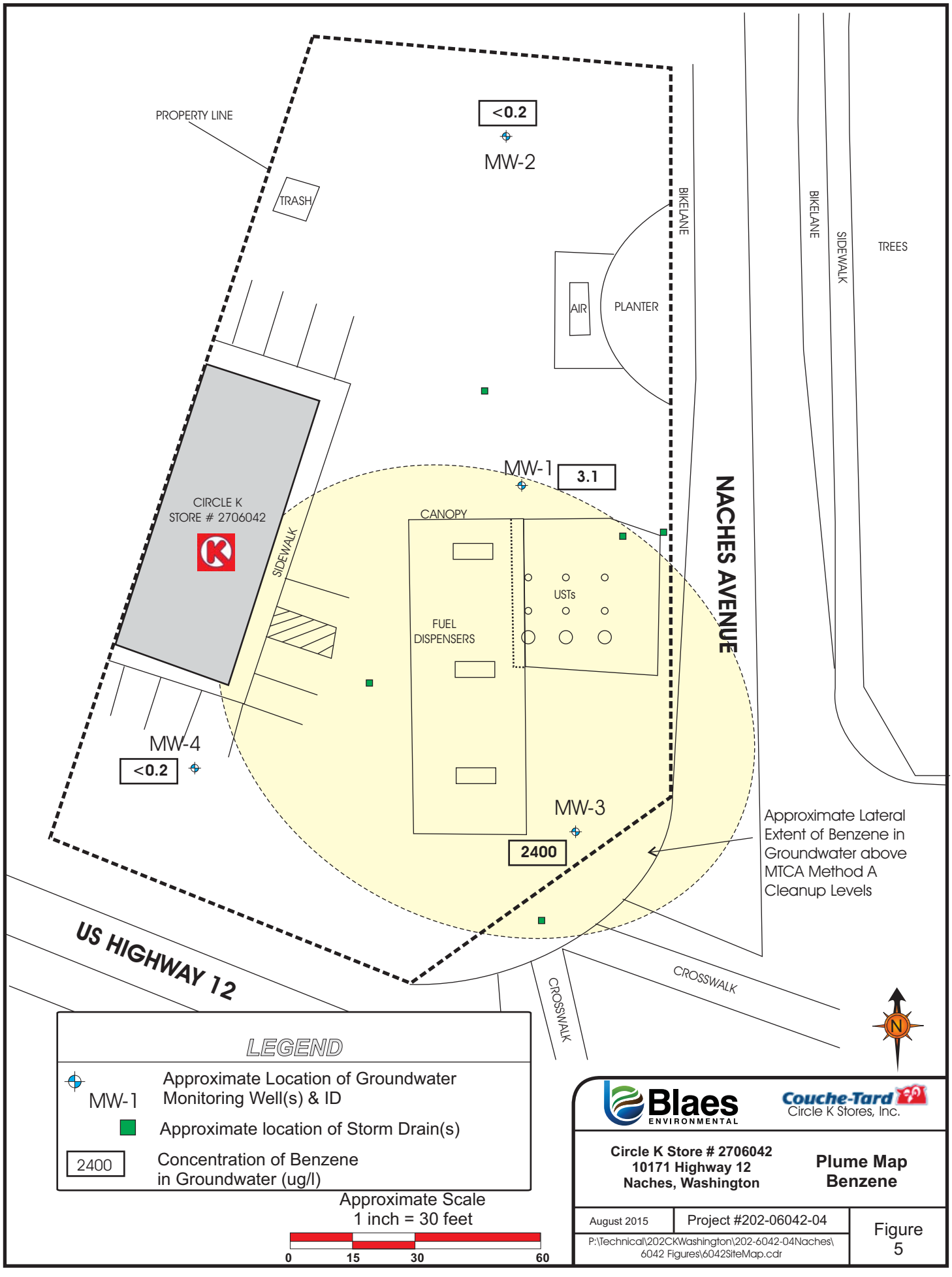
Figure 3

FIGURE 4: HYDROGRAPH
Circle K #2706042
10171-10173 Highway 12
Naches, Washington




PROPERTY LINE
<0.2
MW-2
TRASH
BIKELANE
BIKELANE
SIDEWALK
TREES
AIR
PLANTER
MW-1
3.1
CIRCLE K
STORE # 2706042
CANOPY
SIDEWALK
NACHES AVENUE
USTs
FUEL
DISPENSERS
MW-4
<0.2
MW-3
2400
Approximate Lateral
Extent of Benzene in
Groundwater above
MTCA Method A
Cleanup Levels
US HIGHWAY 12
CROSSWALK
CROSSWALK
N
LEGEND
MW-1
Approximate Location of Groundwater
Monitoring Well(s) & ID
Approximate location of Storm Drain(s)
2400
Concentration of Benzene
in Groundwater (ug/l)
Approximate Scale
1 inch = 30 feet
0
15
30
60
Blaes
ENVIRONMENTAL
Couche-Tard
Circle K Stores, Inc.
Circle K Store # 2706042
10171 Highway 12
Naches, Washington
Plume Map
Benzene
August 2015
Project #202-06042-04
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6042 Figures\6042SiteMap.cdr
Figure
5

TABLES

TABLE 1

SUMMARY OF GROUNDWATER ELEVATION DATA

Circle K Store #2706042
10171-10173 Highway 12
Naches, Washington

Well ID	Date	TOC Elevation (ft amsl)	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft amsl)
MW-1	8/18/2013	1466.08	---	10.31	1,455.77
	8/8/2014		---	10.05	1,456.03
	12/10/2014		---	10.91	1,455.17
	5/28/2015		---	10.32	1,455.76
	8/13/2015		---	10.48	1,455.60
MW-2	8/18/2013	1466.84	---	9.63	1,457.21
	8/8/2014		---	9.29	1,457.55
	12/10/2014		---	10.30	1,456.54
	5/28/2015		---	9.64	1,457.20
	8/13/2015		---	9.91	1,456.93
MW-3	8/18/2013	1466.26	---	10.92	1,455.34
	8/8/2014		---	10.69	1,455.57
	12/10/2014		---	11.37	1,454.89
	5/28/2015		---	10.98	1,455.28
	8/13/2015		---	11.11	1,455.15
MW-4	8/18/2013	1466.54	---	11.42	1,455.12
	8/8/2014		---	11.20	1,455.34
	12/10/2014		---	11.86	1,454.68
	5/28/2015		---	11.50	1,455.04
	8/13/2015		---	11.61	1,454.93

NOTES:
ft btoc = Feet Below Top Of Casing
ft amsl = Feet Above Mean Sea Level
TOC = Top of Casing
--- = Not Present/Not Applicable

TABLE 2

SUMMARY OF GROUNDWATER SAMPLE LABORATORY ANALYTICAL RESULTS

Circle K Store #2706042
10171-10173 Highway 12
Naches, Washington 98937

Sample ID	Date Collected	NWTPH-Gx (ug/L)	NWTPH-Dx (ug/L)	EPA Method 8260												
				Benzene (ug/L)	Toluene (ug/L)	EB (ug/L)	m&p -Xylenes (ug/L)	o-Xylene (ug/L)	MTBE (ug/L)	EDB (ug/L)	EDC (ug/L)	Naph (ug/L)	Isoprop (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)	Other VOCs (ug/L)
MW-1	8/12/2013	<50	---	**1.1**	<1.0	<1.0	<2.0	<1.0	<1.0	<0.01	NA	<1.0	<1.0	<1.0	<1.0	ND
	8/8/2014	**340**	---	<0.10	**0.27**	<0.10	**0.26**	**0.11**	<0.10	<0.01	<0.10	<0.40	<0.10	<0.10	<0.10	**1,2-Dichloropropane 0.16**
	12/10/2014	**170**	---	<0.10	**1.9**	**0.13**	**29**	**5.1**	<0.10	<0.01	<0.10	<0.40	**1.5**	<0.10	<0.10	ND
	5/28/2015	<50	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.2	ND
	8/13/2015	<50	---	**3.1**	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	**2.6**	<0.5	<0.2	<0.5	
MW-2	8/12/2013	<50	---	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<0.01	NA	<1.0	<1.0	<1.0	<1.0	ND
	8/8/2014	**130**	---	<0.10	<0.10	<0.10	<0.20	<0.10	<0.10	<0.01	<0.10	<0.40	<0.10	<0.10	<0.10	ND
	12/10/2014	<50	---	**0.32**	<0.10	<0.10	<0.20	<0.10	<0.10	<0.01	<0.10	<0.40	<0.10	<0.10	<0.10	ND
	5/28/2015	<50	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.2	ND
	8/13/2015	<50	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.2	ND
MW-3	8/12/2013	**50000**	---	<1.0	**27**	**830**	**1,500**	**930**	<1.0	<0.01	NA	**380**	**160**	**1,200**	**780**	**4-Isopropyltoluene 22; n-Butylbenzene 550; N-propylbenzene 490; sec-Butylbenzene 34; Styrene 32;**
	8/8/2014	**59000**	---	**2.6**	**15**	**1100**	**5,300**	**920**	<0.10	<0.01	<0.10	**320**	**110**	**3,600**	**1,300**	**4-isopropylbenzene 57; n-Butylbenzene 510; N-Propylbenzene 430; sec-butylbenzene 31; Styrene 27;**
	12/10/2014	**49000**	---	**200**	**25**	**860**	**4,100**	**1000**	<0.10	<0.01	<0.10	**560**	**160**	**770**	**1,200**	**4-isopropylbenzene 19; n-Butylbenzene 670; N-Propylbenzene 460; sec-butylbenzene 38; Styrene 1.2;**
	5/28/2015	**56000**	---	**2800**	**3100**	**1300**	**5,100**	**1200**	<0.2	<0.01	<0.2	**520**	**180**	**4,800**	**1,300**	**4-isopropylbenzene 16; n-Butylbenzene 680; sec-butylbenzene 43; Styrene 1.4;**

TABLE 2

SUMMARY OF GROUNDWATER SAMPLE LABORATORY ANALYTICAL RESULTS

Circle K Store #2706042
10171-10173 Highway 12
Naches, Washington 98937

Sample ID	Date Collected	NWTPH-Gx (ug/L)	NWTPH-Dx (ug/L)	Benzene (ug/L)	Toluene (ug/L)	EB (ug/L)	m&p -Xylenes (ug/L)	o-Xylene (ug/L)	MTBE (ug/L)	EDB (ug/L)	EDC (ug/L)	Naph (ug/L)	Isoprop (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)	Other VOCs (ug/L)
	8/13/2015	**74000**	**110**	**2400**	**2300**	**1200**	**2,600**	**1200**	<2	<0.01	<0.2	**600**	**180**	**1,900**	**1,300**	**#2 Diesel 0.11; sec-Butylbenzene 43; n-Butylbenzene 710; N-Propylbenzene 590; 4-Isopropyltoluene 19**
MW-4	8/12/2013	**590**	---	<1.0	<1.0	**1.3**	**7.0**	**1.7**	<1.0	<0.01	NA	**72**	<1.0	**12**	**4.1**	**N-propylbenzene 1.9**
	8/8/2014	<50	---	<1.0	**0.22**	<1.0	<0.20	<0.10	<1.0	<0.01	<0.10	<0.40	<1.0	<0.10	<0.10	**1,2-Dichloropropane 0.17; sec-Butylbenzene 0.20**
	12/10/2014	<50	---	**12**	**0.12**	**0.71**	**3.6**	**0.64**	<0.10	<0.01	<0.10	**4.1**	**0.17**	**1.3**	**1.6**	**sec-Butylbenzene 1.3**
	5/28/2015	<50	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.2	**N-propylbenzene 1.2**
	8/13/2015	**51.0**	---	<0.2	<0.2	<0.2	<0.5	<0.5	<0.2	<0.01	<0.2	<0.5	<0.5	<0.2	<0.2	**trans-1,2 Dichloroethene 0.29;**
MTCA Cleanup Standards		**800**		**5**	**1,000**	**700**	**1,000**		**20**	**0.01**	**NA**	**160**	**NA**	**NA**	**NA**	**NA**

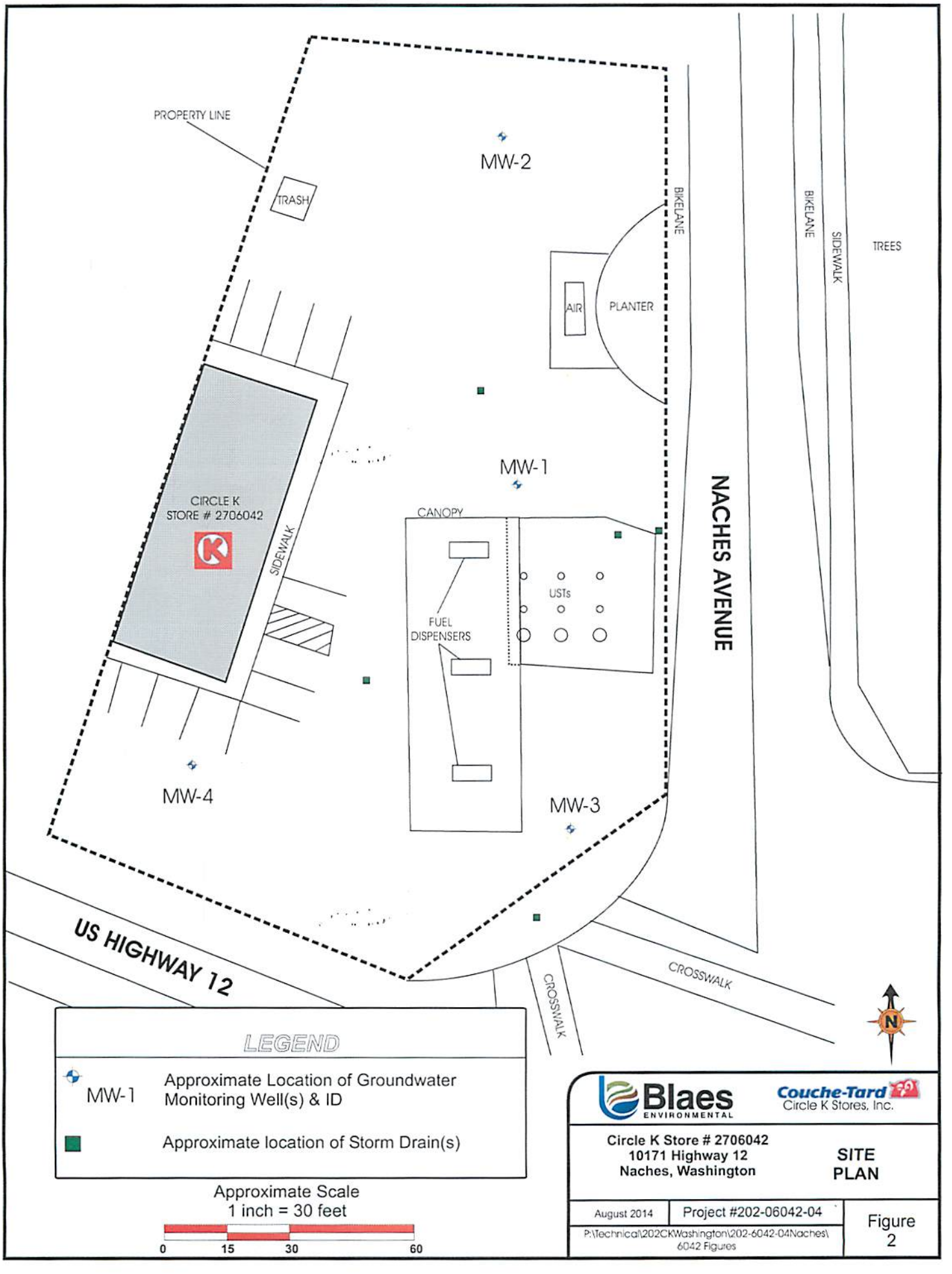
Notes:

EB	Ethylbenzene
EPA	U.S. Environmental Protection Agency
mg/L	milligrams per liter (parts per million)
ug/L	micrograms per liter (parts per billion)
NWTPH-Gx	Northwest Total Petroleum Hydrocarbons - Gasoline Range
MTBE	Methyl-tert-butyl Ether
EDB	Ethylene Dibromide
Naph	Naphthanlene
Isoprop	Isopropylbenzene
TMB	Trimethylbenzene
BOLD	Concentration exceeds laboratory reporting limit or method detection limit
RED	Concentration exceeds applicable MTCA Cleanup Standard
NA	MTCA cleanup standard not available
ND	Not Detected above reporting limit
MTCA	Model Toxics Control Act

APPENDICES

APPENDIX A

GROUNDWATER SAMPLE DATA SHEETS


PROPERTY LINE
MW-2
TRASH
BIKELANE
BIKELANE
SIDEWALK
TREES
AIR
PLANTER
MW-1
CIRCLE K
STORE # 2706042
SIDEWALK
CANOPY
NACHES AVENUE
USTs
FUEL
DISPENSERS
MW-4
MW-3
US HIGHWAY 12
CROSSWALK
CROSSWALK
N
LEGEND
MW-1
Approximate Location of Groundwater Monitoring Well(s) & ID
Approximate location of Storm Drain(s)
Approximate Scale
1 inch = 30 feet
0
15
30
60
Blaes
ENVIRONMENTAL
Couche-Tard
Circle K Stores, Inc.
Circle K Store # 2706042
10171 Highway 12
Naches, Washington
SITE
PLAN
August 2014
Project #202-06042-04
P:\Technical\202CKWashington\202-6042-04Naches\6042 Figures
Figure
2

BLAES ENVIRONMENTAL MANAGEMENT
45 East Monterey Way, Phoenix, Arizona 85012
602 728 0707

GROUNDWATER SAMPLING FORM

Well No.: MW-1

Site ID: CIRCLE K #6042
Project No.: 207-6042
Recorded By: D. BLAES

Well Type: ☒ Monitor ☐ Remedial - VE AS
☐ Other:
Well Material: ☒ PVC ☐ St. Steel
☐ Other:

WELL PURGING

Purge Volume

Purge Date: 8/13/15

Casing Diameter (D) in inches:
☐ 2-inch ☐ 4-inch ☐ 6-inch ☐ Other:
Total Depth of Casing (TD in feet BTOC):
Water Level Depth (WL in feet BTOC): 10.48
Number of Well Volumes (# Vols) to be Purged:
☐ 3 ☐ 4 ☐ 5 ■ Other: ~~Low-flow~~

Purge Method

☐ Bailer - Type:
☐ Submersible ☐ Submersible Whale
☐ Other: low flow

Pump Intake Setting

☐ Near Bottom ☐ Near Top ☐ Other:
Depth in feet (BTOC):
Screen Interval in Feet (BTOC): from to

Pump Time

Start: Stop: Time Elapsed:

Purge Rate

Initial ml/min
Final ml/min

Actual Purge Volume

gallons

Field Parameter Measurements

Stabilization Settings

Time	Temp.	Cond. 1 (umhos/cm) 3% of reading	Cond. 2 (umhos/cm) 3% of reading	DO% +/- 10%	DO (mg/L) 0.2 mg/L	pH +/- 10%	ORP (mV) +/- 10%	Turbidity +/- 10% or +/- 1.0 NTU	Depth to water SAP	Notes
7:00 pm	17.89	255	220	5.0	0.42	7.38	169.7	0.107	0.12	

Purge Water Storage/Disposal: ☐ Drum(s), Number: ☐ Sanitary Sewer ☐ Storm Sewer
Observations During Purging (well Condition, Turbidity, Color, Odor,

WELL SAMPLING

Sampled By: D. BLAES Sampling date: 8/13/15 Sampling Time: 7:00 pm

Sampling Distribution

Water Level Before Sampling (in feet BTOC):

Sample No.	# Containers, Vol.	Preservative	Analysis	Lab	Comments

Other Notes:

BLAES ENVIRONMENTAL MANAGEMENT
45 East Monterey Way, Phoenix, Arizona 85012
602 728 0707

GROUNDWATER SAMPLING FORM

Well No.: MW-2

Well Type: ☒ Monitor ☐ Remedial - VE AS
☐ Other: _____

Well Material: ☒ PVC ☐ St. Steel
☐ Other: _____

Site ID: CIRCLE K #6042
Project No.: 202-6042
Recorded By: D. BLAES

WELL PURGING

Purge Volume

Purge Date: 8/13/15

Casing Diameter (D) in inches:
☐ 2-inch ☐ 4-inch ☐ 6-inch ☐ Other: _____

Total Depth of Casing (TD in feet BTOC): _____
Water Level Depth (WL in feet BTOC): 9.91

Number of Well Volumes (# Vols) to be Purged:
☐ 3 ☐ 4 ☐ 5 ■ Other: ~~Low-flow~~

Purge Method

☐ Bailer - Type: _____
☐ Submersible ☐ Submersible Whale
☐ Other: low flow

Pump Intake Setting

☐ Near Bottom ☐ Near Top ☐ Other: _____
Depth in feet (BTOC): _____
Screen Interval in Feet (BTOC): from _____ to _____

Pump Time

Start: _____ Stop: _____ Time Elapsed: _____

Purge Rate

Initial _____ ml/min
Final _____ ml/min

Actual Purge Volume

_____ gallons

Field Parameter Measurements

Stabilization Settings

Time	Temp.	Cond. 1 (umhos/cm) 3% of reading	Cond. 2 (umhos/cm) 3% of reading	DO% +/- 10%	DO (mg/L) 0.2 mg/L	pH +/- 10%	ORP (mV) +/- 10%	Turbidity +/- 10% or +/- 1.0 NTU	Depth to water Sgl	Notes
6:41	17.33	209	179	11.7	1.12	8.13	235.4	0.135	0.10	

Purge Water Storage/Disposal: ☐ Drum(s), Number: _____ ☐ Sanitary Sewer ☐ Storm Sewer

Observations During Purging (well Condition, Turbidity, Color, Odor, _____

WELL SAMPLING

Sampled By: D. BLAES Sampling date: 8/13/15 Sampling Time: 6:41

Sampling Distribution

Water Level Before Sampling (in feet BTOC): _____

Sample No.	# Containers, Vol.	Preservative	Analysis	Lab	Comments

Other Notes: _____

BLAES ENVIRONMENTAL MANAGEMENT
45 East Monterey Way, Phoenix, Arizona 85012
602 728 0707

GROUNDWATER SAMPLING FORM

Well No.: MW-3

Site ID: CIRCLE K #6042
Project No.: 202-6042
Recorded By: D. BLAES

Well Type: ☒ Monitor ☐ Remedial - VE AS
☐ Other:
Well Material: ☒ PVC ☐ St. Steel
☐ Other:

WELL PURGING

Purge Volume

Purge Date: 8/13/15

Casing Diameter (D) in inches:
☐ 2-inch ☐ 4-inch ☐ 6-inch ☐ Other:
Total Depth of Casing (TD in feet BTOC): 11.11
Water Level Depth (WL in feet BTOC):
Number of Well Volumes (# Vols) to be Purged:
☐ 3 ☐ 4 ☐ 5 ■ Other: ~~Low-flow~~

Purge Method

☐ Bailer - Type:
☐ Submersible ☐ Submersible Whale
☐ Other: low flow

Pump Intake Setting

☐ Near Bottom ☐ Near Top ☐ Other:
Depth in feet (BTOC):
Screen Interval in Feet (BTOC): from ____ to ____

Pump Time

Start:____ Stop:____ Time Elapsed:____

Purge Rate

Initial____ ml/min
Final____ ml/min

Actual Purge Volume

____ gallons

Field Parameter Measurements

Stabilization Settings

Time	Temp.	Cond. 1 (umhos/cm) 3% of reading	Cond. 2 (umhos/cm) 3% of reading	DO% +/- 10%	DO (mg/L) 0.2 mg/L	pH +/- 10%	ORP (mV) +/- 10%	Turbidity +/- 10% or +/- 1.0 NTU	Depth to water Sat	Notes
7:39p	17.45	1333	1140	1.5	0.15	7.76	-149	0.863	0.67	

Purge Water Storage/Disposal: ☐ Drum(s), Number: ____ ☐ Sanitary Sewer ☐ Storm Sewer
Observations During Purging (well Condition, Turbidity, Color, Odor,

WELL SAMPLING

Sampled By: D. BLAES **Sampling date:** 8/13/15 **Sampling Time:** 7:39p

Sampling Distribution

Water Level Before Sampling (in feet BTOC):

Sample No.	# Containers, Vol.	Preservative	Analysis	Lab	Comments

Other Notes:

BLAES ENVIRONMENTAL MANAGEMENT
45 East Monterey Way, Phoenix, Arizona 85012
602 728 0707

GROUNDWATER SAMPLING FORM

Well No.: MW-4

Site ID: CIRCLE K #6042
Project No.: 202-6042
Recorded By: D. BLAES

Well Type: ☒ Monitor ☐ Remedial - VE AS ☐ Other:
Well Material: ☒ PVC ☐ St. Steel ☐ Other:

WELL PURGING

Purge Volume

Purge Date: 8/13/15

Casing Diameter (D) in inches:
☐ 2-inch ☐ 4-inch ☐ 6-inch ☐ Other:
Total Depth of Casing (TD in feet BTOC):
Water Level Depth (WL in feet BTOC): 11.61
Number of Well Volumes (# Vols) to be Purged:
☐ 3 ☐ 4 ☐ 5 ■ Other: ~~Low-flow~~

Purge Method

☐ Bailer - Type:
☐ Submersible ☐ Submersible Whale
☐ Other: low flow

Pump Intake Setting

☐ Near Bottom ☐ Near Top ☐ Other:
Depth in feet (BTOC):
Screen Interval in Feet (BTOC): from ____ to ____

Pump Time

Start:____ Stop:____ Time Elapsed:____

Purge Rate

Initial____ ml/min
Final____ ml/min

Actual Purge Volume

____ gallons

Field Parameter Measurements

Stabilization Settings

Time	Temp.	Cond. 1 (umhos/cm) 3% of reading	Cond. 2 (umhos/cm) 3% of reading	DO% +/- 10%	DO (mg/L) 0.2 mg/L	pH +/- 10%	ORP (mV) +/- 10%	Turbidity +/- 10% or +/- 1.0 NTU	Depth to water Sat	Notes
7:20 pm	16.24	393	327	30.5	2.99	7.71	197.2	0.256	0.19	

Purge Water Storage/Disposal: ☐ Drum(s), Number: ____ ☐ Sanitary Sewer ☐ Storm Sewer
Observations During Purging (well Condition, Turbidity, Color, Odor,

WELL SAMPLING

Sampled By: D. BLAES Sampling date: 8/13/15 Sampling Time: 7:20 p.

Sampling Distribution

Water Level Before Sampling (in feet BTOC):

Sample No.	# Containers, Vol.	Preservative	Analysis	Lab	Comments

Other Notes:

APPENDIX B

GROUNDWATER LABORATORY ANALYTICAL REPORT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

TestAmerica Job ID: 580-52522-1
Client Project/Site: Circle K #6042 NACHES, WA
Sampling Event: Circle K #6042 Naches

For:
Blaes Environmental Inc.
45 E Monterey Way
Suite 200
Phoenix, Arizona 85012

Attn: Dan Blaes

Authorized for release by:
9/3/2015 6:50:11 PM

Christabel Escarez, Project Manager I
(253)922-2310
christabel.escarez@testamericainc.com

Table of Contents

Case Narrative

Client: Blaes Environmental Inc.
Project/Site: Circle K #6042 NACHES, WA

TestAmerica Job ID: 580-52522-1

Job ID: 580-52522-1

Laboratory: TestAmerica Seattle

Narrative

Job Narrative
580-52522-1

Comments
No additional comments.

Receipt
The samples were received on 8/14/2015 8:15 AM; the samples arrived in good condition, properly preserved, and on ice. The temperature of the cooler at receipt was 1.8º C.

GC/MS VOA
Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 199054 recovered outside control limits for Chlorobromomethane and Methyl tert-butyl ether. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 199054 recovered outside control limits for Chloroethane.

Method(s) 8260B: The following sample recovered outside of calibration range for the following analytes: 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Ethylbenzene, m-Xylene & p-Xylene, naphthalene, o-Xylene, and Toluene: MW-3 (580-52522-3). The sample requires further dilution, however, there was insufficient sample to perform a reanalysis. Therefore, the data have been reported.

Method(s) 8260B: Surrogate recovery of Dibromofluoromethane for the following sample was outside of acceptance limits: MW-3 (580-52522-3). There was insufficient sample to perform a re-extraction; therefore, the data have been reported.

Method(s) NWTPH-Gx: The following sample was diluted due to the nature of the sample matrix: MW-3 (580-52522-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The (Q) flag for CCV 580-198773/3 %D criteria exceeded was removed by the analyst for the compound Vinyl Chloride. The value 20.4%D meets the +/- 20% criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method(s) 8011: Surrogate recovery for the following samples was outside the upper control limit: MW-1 (580-52522-1), MW-2 (580-52522-2), MW-3 (580-52522-3), MW-4 (580-52522-4), (LCS 580-199209/2-A), (LCSD 580-199209/3-A) and (MB 580-199209/1-A). These samples did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8011: The continuing calibration verification (CCV) associated with batch 580-199171 recovered above the upper control limit for Ethylene Dibromide and 1,2-Dibromopropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) NWTPH-Dx: In analytical batch 580-198994, sample MW-3 (580-52522-3) from preparation batch 580-199008 contained a hydrocarbon pattern in the diesel range; however, the elution pattern was later than the typical diesel fuel pattern used by the laboratory for quantitative purposes.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Blaes Environmental Inc.
Project/Site: Circle K #6042 NACHES, WA

TestAmerica Job ID: 580-52522-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
E	Result exceeded calibration range.
*	LCS or LCSD is outside acceptance limits.
X	Surrogate is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
Y	The chromatographic response resembles a typical fuel pattern.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: Blaes Environmental Inc.
Project/Site: Circle K #6042 NACHES, WA

TestAmerica Job ID: 580-52522-1

Client Sample ID: MW-1
Date Collected: 08/13/15 19:00
Date Received: 08/14/15 08:15

Lab Sample ID: 580-52522-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.20		ug/L			08/25/15 01:01	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/25/15 01:01	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/25/15 01:01	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/25/15 01:01	1
1,1-Dichloroethane	ND		0.20		ug/L			08/25/15 01:01	1
1,1-Dichloroethene	ND		0.10		ug/L			08/25/15 01:01	1
1,1-Dichloropropene	ND		0.10		ug/L			08/25/15 01:01	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			08/25/15 01:01	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/25/15 01:01	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			08/25/15 01:01	1
1,2,4-Trimethylbenzene	ND		0.20		ug/L			08/25/15 01:01	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/25/15 01:01	1
1,2-Dibromoethane	ND		0.10		ug/L			08/25/15 01:01	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/25/15 01:01	1
EDC	ND		0.20		ug/L			08/25/15 01:01	1
1,2-Dichloropropane	ND		0.20		ug/L			08/25/15 01:01	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/25/15 01:01	1
1,3-Dichlorobenzene	ND		0.30		ug/L			08/25/15 01:01	1
1,3-Dichloropropane	ND		0.20		ug/L			08/25/15 01:01	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/25/15 01:01	1
2,2-Dichloropropane	ND		0.50		ug/L			08/25/15 01:01	1
2-Chlorotoluene	ND		0.50		ug/L			08/25/15 01:01	1
4-Chlorotoluene	ND		0.30		ug/L			08/25/15 01:01	1
4-Isopropyltoluene	ND		0.30		ug/L			08/25/15 01:01	1
Benzene	**3.1**		0.20		ug/L			08/25/15 01:01	1
Bromobenzene	ND		0.20		ug/L			08/25/15 01:01	1
Bromoform	ND		0.50		ug/L			08/25/15 01:01	1
Bromomethane	ND		1.0		ug/L			08/25/15 01:01	1
Carbon tetrachloride	ND		0.20		ug/L			08/25/15 01:01	1
Chlorobenzene	ND		0.20		ug/L			08/25/15 01:01	1
Chlorobromomethane	ND		0.20		ug/L			08/25/15 01:01	1
Chlorodibromomethane	ND		0.20		ug/L			08/25/15 01:01	1
Chloroform	ND		0.20		ug/L			08/25/15 01:01	1
Chloromethane	ND		0.30		ug/L			08/25/15 01:01	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/25/15 01:01	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/25/15 01:01	1
Dibromomethane	ND		0.20		ug/L			08/25/15 01:01	1
Dichlorobromomethane	ND		0.20		ug/L			08/25/15 01:01	1
Dichlorodifluoromethane	ND		0.40		ug/L			08/25/15 01:01	1
Ethylbenzene	ND		0.20		ug/L			08/25/15 01:01	1
Hexachlorobutadiene	ND		0.50		ug/L			08/25/15 01:01	1
Isopropylbenzene	ND		0.50		ug/L			08/25/15 01:01	1
Methyl tert-butyl ether	ND		0.20		ug/L			08/25/15 01:01	1
Methylene Chloride	ND		0.50		ug/L			08/25/15 01:01	1
m-Xylene & p-Xylene	ND		0.50		ug/L			08/25/15 01:01	1
Naphthalene	**2.6**		0.50		ug/L			08/25/15 01:01	1
n-Butylbenzene	ND		0.50		ug/L			08/25/15 01:01	1
N-Propylbenzene	ND		0.20		ug/L			08/25/15 01:01	1
o-Xylene	ND		0.50		ug/L			08/25/15 01:01	1

Client: Blaes Environmental Inc.
Project/Site: Circle K #6042 NACHES, WA

TestAmerica Job ID: 580-52522-1

Client Sample ID: MW-1
Date Collected: 08/13/15 19:00
Date Received: 08/14/15 08:15

Lab Sample ID: 580-52522-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.50		ug/L			08/25/15 01:01	1
Styrene	ND		0.50		ug/L			08/25/15 01:01	1
tert-Butylbenzene	ND		0.50		ug/L			08/25/15 01:01	1
Tetrachloroethene	ND		0.50		ug/L			08/25/15 01:01	1
Toluene	ND		0.20		ug/L			08/25/15 01:01	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/25/15 01:01	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/25/15 01:01	1
Trichloroethene	ND		0.20		ug/L			08/25/15 01:01	1
Trichlorofluoromethane	ND		0.50		ug/L			08/25/15 01:01	1
Vinyl chloride	ND		0.020		ug/L			08/25/15 01:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*75 - 120*		*08/25/15 01:01*	*1*
Toluene-d8 (Surr)	*98*		*75 - 125*		*08/25/15 01:01*	*1*
Trifluorotoluene (Surr)	*94*		*80 - 127*		*08/25/15 01:01*	*1*
Dibromofluoromethane (Surr)	*87*		*85 - 115*		*08/25/15 01:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*72*		*70 - 128*		*08/25/15 01:01*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND	*	0.50		ug/L			08/26/15 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*75 - 120*		*08/26/15 16:30*	*1*
Toluene-d8 (Surr)	*98*		*75 - 125*		*08/26/15 16:30*	*1*
Trifluorotoluene (Surr)	*102*		*80 - 127*		*08/26/15 16:30*	*1*
Dibromofluoromethane (Surr)	*87*		*85 - 115*		*08/26/15 16:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*75*		*70 - 128*		*08/26/15 16:30*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050		mg/L			08/18/15 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*50 - 150*		*08/18/15 18:48*	*1*
Trifluorotoluene (Surr)	*109*		*50 - 150*		*08/18/15 18:48*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010		ug/L		08/27/15 13:33	08/27/15 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*241*	*X*	*70 - 130*	*08/27/15 13:33*	*08/27/15 15:04*	*1*

Client: Blaes Environmental Inc.
Project/Site: Circle K #6042 NACHES, WA

TestAmerica Job ID: 580-52522-1

Client Sample ID: MW-2
Date Collected: 08/13/15 18:41
Date Received: 08/14/15 08:15

Lab Sample ID: 580-52522-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.20		ug/L			08/25/15 01:27	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/25/15 01:27	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/25/15 01:27	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/25/15 01:27	1
1,1-Dichloroethane	ND		0.20		ug/L			08/25/15 01:27	1
1,1-Dichloroethene	ND		0.10		ug/L			08/25/15 01:27	1
1,1-Dichloropropene	ND		0.10		ug/L			08/25/15 01:27	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			08/25/15 01:27	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/25/15 01:27	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			08/25/15 01:27	1
1,2,4-Trimethylbenzene	ND		0.20		ug/L			08/25/15 01:27	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/25/15 01:27	1
1,2-Dibromoethane	ND		0.10		ug/L			08/25/15 01:27	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/25/15 01:27	1
EDC	ND		0.20		ug/L			08/25/15 01:27	1
1,2-Dichloropropane	ND		0.20		ug/L			08/25/15 01:27	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/25/15 01:27	1
1,3-Dichlorobenzene	ND		0.30		ug/L			08/25/15 01:27	1
1,3-Dichloropropane	ND		0.20		ug/L			08/25/15 01:27	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/25/15 01:27	1
2,2-Dichloropropane	ND		0.50		ug/L			08/25/15 01:27	1
2-Chlorotoluene	ND		0.50		ug/L			08/25/15 01:27	1
4-Chlorotoluene	ND		0.30		ug/L			08/25/15 01:27	1
4-Isopropyltoluene	ND		0.30		ug/L			08/25/15 01:27	1
Benzene	ND		0.20		ug/L			08/25/15 01:27	1
Bromobenzene	ND		0.20		ug/L			08/25/15 01:27	1
Bromoform	ND		0.50		ug/L			08/25/15 01:27	1
Bromomethane	ND		1.0		ug/L			08/25/15 01:27	1
Carbon tetrachloride	ND		0.20		ug/L			08/25/15 01:27	1
Chlorobenzene	ND		0.20		ug/L			08/25/15 01:27	1
Chlorobromomethane	ND		0.20		ug/L			08/25/15 01:27	1
Chlorodibromomethane	ND		0.20		ug/L			08/25/15 01:27	1
Chloroform	ND		0.20		ug/L			08/25/15 01:27	1
Chloromethane	ND		0.30		ug/L			08/25/15 01:27	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/25/15 01:27	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/25/15 01:27	1
Dibromomethane	ND		0.20		ug/L			08/25/15 01:27	1
Dichlorobromomethane	ND		0.20		ug/L			08/25/15 01:27	1
Dichlorodifluoromethane	ND		0.40		ug/L			08/25/15 01:27	1
Ethylbenzene	ND		0.20		ug/L			08/25/15 01:27	1
Hexachlorobutadiene	ND		0.50		ug/L			08/25/15 01:27	1
Isopropylbenzene	ND		0.50		ug/L			08/25/15 01:27	1
Methyl tert-butyl ether	ND		0.20		ug/L			08/25/15 01:27	1
Methylene Chloride	ND		0.50		ug/L			08/25/15 01:27	1
m-Xylene & p-Xylene	ND		0.50		ug/L			08/25/15 01:27	1
Naphthalene	ND		0.50		ug/L			08/25/15 01:27	1
n-Butylbenzene	ND		0.50		ug/L			08/25/15 01:27	1
N-Propylbenzene	ND		0.20		ug/L			08/25/15 01:27	1
o-Xylene	ND		0.50		ug/L			08/25/15 01:27	1

Client: Blaes Environmental Inc.
Project/Site: Circle K #6042 NACHES, WA

TestAmerica Job ID: 580-52522-1

Client Sample ID: MW-2
Date Collected: 08/13/15 18:41
Date Received: 08/14/15 08:15

Lab Sample ID: 580-52522-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.50		ug/L			08/25/15 01:27	1
Styrene	ND		0.50		ug/L			08/25/15 01:27	1
tert-Butylbenzene	ND		0.50		ug/L			08/25/15 01:27	1
Tetrachloroethene	ND		0.50		ug/L			08/25/15 01:27	1
Toluene	ND		0.20		ug/L			08/25/15 01:27	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/25/15 01:27	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/25/15 01:27	1
Trichloroethene	ND		0.20		ug/L			08/25/15 01:27	1
Trichlorofluoromethane	ND		0.50		ug/L			08/25/15 01:27	1
Vinyl chloride	ND		0.020		ug/L			08/25/15 01:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*75 - 120*		*08/25/15 01:27*	*1*
Toluene-d8 (Surr)	*98*		*75 - 125*		*08/25/15 01:27*	*1*
Trifluorotoluene (Surr)	*95*		*80 - 127*		*08/25/15 01:27*	*1*
Dibromofluoromethane (Surr)	*87*		*85 - 115*		*08/25/15 01:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*73*		*70 - 128*		*08/25/15 01:27*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND	*	0.50		ug/L			08/26/15 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*75 - 120*		*08/26/15 16:57*	*1*
Toluene-d8 (Surr)	*98*		*75 - 125*		*08/26/15 16:57*	*1*
Trifluorotoluene (Surr)	*98*		*80 - 127*		*08/26/15 16:57*	*1*
Dibromofluoromethane (Surr)	*89*		*85 - 115*		*08/26/15 16:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*75*		*70 - 128*		*08/26/15 16:57*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050		mg/L			08/18/15 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*50 - 150*		*08/18/15 19:21*	*1*
Trifluorotoluene (Surr)	*102*		*50 - 150*		*08/18/15 19:21*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010		ug/L		08/27/15 13:33	08/27/15 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*165*	*X*	*70 - 130*	*08/27/15 13:33*	*08/27/15 15:29*	*1*

Client: Blaes Environmental Inc.
Project/Site: Circle K #6042 NACHES, WA

TestAmerica Job ID: 580-52522-1

Client Sample ID: MW-3
Date Collected: 08/13/15 19:39
Date Received: 08/14/15 08:15

Lab Sample ID: 580-52522-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			08/26/15 16:04	10
1,1,1-Trichloroethane	ND		2.0		ug/L			08/26/15 16:04	10
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			08/26/15 16:04	10
1,1,2-Trichloroethane	ND		2.0		ug/L			08/26/15 16:04	10
1,1-Dichloroethane	ND		2.0		ug/L			08/26/15 16:04	10
1,1-Dichloroethene	ND		1.0		ug/L			08/26/15 16:04	10
1,1-Dichloropropene	ND		1.0		ug/L			08/26/15 16:04	10
1,2,3-Trichlorobenzene	ND		5.0		ug/L			08/26/15 16:04	10
1,2,3-Trichloropropane	ND		2.0		ug/L			08/26/15 16:04	10
1,2,4-Trichlorobenzene	ND		2.0		ug/L			08/26/15 16:04	10
1,2,4-Trimethylbenzene	**1900**	**E**	2.0		ug/L			08/26/15 16:04	10
1,2-Dibromo-3-Chloropropane	ND		20		ug/L			08/26/15 16:04	10
1,2-Dibromoethane	ND		1.0		ug/L			08/26/15 16:04	10
1,2-Dichlorobenzene	ND		3.0		ug/L			08/26/15 16:04	10
EDC	ND		2.0		ug/L			08/26/15 16:04	10
1,2-Dichloropropane	ND		2.0		ug/L			08/26/15 16:04	10
1,3,5-Trimethylbenzene	**1300**	**E**	5.0		ug/L			08/26/15 16:04	10
1,3-Dichlorobenzene	ND		3.0		ug/L			08/26/15 16:04	10
1,3-Dichloropropane	ND		2.0		ug/L			08/26/15 16:04	10
1,4-Dichlorobenzene	ND		3.0		ug/L			08/26/15 16:04	10
2,2-Dichloropropane	ND		5.0		ug/L			08/26/15 16:04	10
2-Chlorotoluene	ND		5.0		ug/L			08/26/15 16:04	10
4-Chlorotoluene	ND		3.0		ug/L			08/26/15 16:04	10
4-Isopropyltoluene	**19**		3.0		ug/L			08/26/15 16:04	10
Benzene	**2400**	**E**	2.0		ug/L			08/26/15 16:04	10
Bromobenzene	ND		2.0		ug/L			08/26/15 16:04	10
Bromoform	ND		5.0		ug/L			08/26/15 16:04	10
Bromomethane	ND		10		ug/L			08/26/15 16:04	10
Carbon tetrachloride	ND		2.0		ug/L			08/26/15 16:04	10
Chlorobenzene	ND		2.0		ug/L			08/26/15 16:04	10
Chlorobromomethane	ND	*	2.0		ug/L			08/26/15 16:04	10
Chlorodibromomethane	ND		2.0		ug/L			08/26/15 16:04	10
Chloroethane	ND	*	5.0		ug/L			08/26/15 16:04	10
Chloroform	ND		2.0		ug/L			08/26/15 16:04	10
Chloromethane	ND		3.0		ug/L			08/26/15 16:04	10
cis-1,2-Dichloroethene	ND		2.0		ug/L			08/26/15 16:04	10
cis-1,3-Dichloropropene	ND		5.0		ug/L			08/26/15 16:04	10
Dibromomethane	ND		2.0		ug/L			08/26/15 16:04	10
Dichlorobromomethane	ND		2.0		ug/L			08/26/15 16:04	10
Dichlorodifluoromethane	ND		4.0		ug/L			08/26/15 16:04	10
Ethylbenzene	**1200**	**E**	2.0		ug/L			08/26/15 16:04	10
Hexachlorobutadiene	ND		5.0		ug/L			08/26/15 16:04	10
Isopropylbenzene	**180**		5.0		ug/L			08/26/15 16:04	10
Methyl tert-butyl ether	ND	*	2.0		ug/L			08/26/15 16:04	10
Methylene Chloride	ND		5.0		ug/L			08/26/15 16:04	10
m-Xylene & p-Xylene	**2600**	**E**	5.0		ug/L			08/26/15 16:04	10
Naphthalene	**600**	**E**	5.0		ug/L			08/26/15 16:04	10
n-Butylbenzene	**710**		5.0		ug/L			08/26/15 16:04	10
N-Propylbenzene	**590**		2.0		ug/L			08/26/15 16:04	10

Client Sample ID: MW-3
Date Collected: 08/13/15 19:39
Date Received: 08/14/15 08:15

Lab Sample ID: 580-52522-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**1200**	**E**	5.0		ug/L			08/26/15 16:04	10
sec-Butylbenzene	**43**		5.0		ug/L			08/26/15 16:04	10
Styrene	ND		5.0		ug/L			08/26/15 16:04	10
tert-Butylbenzene	ND		5.0		ug/L			08/26/15 16:04	10
Tetrachloroethene	ND		5.0		ug/L			08/26/15 16:04	10
Toluene	**2300**	**E**	2.0		ug/L			08/26/15 16:04	10
trans-1,2-Dichloroethene	ND		2.0		ug/L			08/26/15 16:04	10
trans-1,3-Dichloropropene	ND		2.0		ug/L			08/26/15 16:04	10
Trichloroethene	ND		2.0		ug/L			08/26/15 16:04	10
Trichlorofluoromethane	ND		5.0		ug/L			08/26/15 16:04	10
Vinyl chloride	ND		0.20		ug/L			08/26/15 16:04	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*75 - 120*		*08/26/15 16:04*	*10*
Toluene-d8 (Surr)	*97*		*75 - 125*		*08/26/15 16:04*	*10*
Trifluorotoluene (Surr)	*95*		*80 - 127*		*08/26/15 16:04*	*10*
Dibromofluoromethane (Surr)	*84*	*X*	*85 - 115*		*08/26/15 16:04*	*10*
1,2-Dichloroethane-d4 (Surr)	*73*		*70 - 128*		*08/26/15 16:04*	*10*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**74**		2.5		mg/L			08/20/15 04:41	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*50 - 150*		*08/20/15 04:41*	*50*
Trifluorotoluene (Surr)	*107*		*50 - 150*		*08/20/15 04:41*	*50*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010		ug/L		08/27/15 13:33	08/27/15 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*178*	*X*	*70 - 130*	*08/27/15 13:33*	*08/27/15 15:54*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**0.11**	**Y**	0.11		mg/L		08/26/15 09:19	08/26/15 16:01	1
Motor Oil (>C24-C36)	ND		0.26		mg/L		08/26/15 09:19	08/26/15 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*65*		*50 - 150*	*08/26/15 09:19*	*08/26/15 16:01*	*1*

Client: Blaes Environmental Inc.
Project/Site: Circle K #6042 NACHES, WA

TestAmerica Job ID: 580-52522-1

Client Sample ID: MW-4
Date Collected: 08/13/15 19:20
Date Received: 08/14/15 08:15

Lab Sample ID: 580-52522-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.20		ug/L			08/26/15 17:23	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/26/15 17:23	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/26/15 17:23	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/26/15 17:23	1
1,1-Dichloroethane	ND		0.20		ug/L			08/26/15 17:23	1
1,1-Dichloroethene	ND		0.10		ug/L			08/26/15 17:23	1
1,1-Dichloropropene	ND		0.10		ug/L			08/26/15 17:23	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			08/26/15 17:23	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/26/15 17:23	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			08/26/15 17:23	1
1,2,4-Trimethylbenzene	ND		0.20		ug/L			08/26/15 17:23	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/26/15 17:23	1
1,2-Dibromoethane	ND		0.10		ug/L			08/26/15 17:23	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/26/15 17:23	1
EDC	ND		0.20		ug/L			08/26/15 17:23	1
1,2-Dichloropropane	ND		0.20		ug/L			08/26/15 17:23	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/26/15 17:23	1
1,3-Dichlorobenzene	ND		0.30		ug/L			08/26/15 17:23	1
1,3-Dichloropropane	ND		0.20		ug/L			08/26/15 17:23	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/26/15 17:23	1
2,2-Dichloropropane	ND		0.50		ug/L			08/26/15 17:23	1
2-Chlorotoluene	ND		0.50		ug/L			08/26/15 17:23	1
4-Chlorotoluene	ND		0.30		ug/L			08/26/15 17:23	1
4-Isopropyltoluene	ND		0.30		ug/L			08/26/15 17:23	1
Benzene	ND		0.20		ug/L			08/26/15 17:23	1
Bromobenzene	ND		0.20		ug/L			08/26/15 17:23	1
Bromoform	ND		0.50		ug/L			08/26/15 17:23	1
Bromomethane	ND		1.0		ug/L			08/26/15 17:23	1
Carbon tetrachloride	ND		0.20		ug/L			08/26/15 17:23	1
Chlorobenzene	ND		0.20		ug/L			08/26/15 17:23	1
Chlorobromomethane	ND	*	0.20		ug/L			08/26/15 17:23	1
Chlorodibromomethane	ND		0.20		ug/L			08/26/15 17:23	1
Chloroethane	ND	*	0.50		ug/L			08/26/15 17:23	1
Chloroform	ND		0.20		ug/L			08/26/15 17:23	1
Chloromethane	ND		0.30		ug/L			08/26/15 17:23	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/26/15 17:23	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/26/15 17:23	1
Dibromomethane	ND		0.20		ug/L			08/26/15 17:23	1
Dichlorobromomethane	ND		0.20		ug/L			08/26/15 17:23	1
Dichlorodifluoromethane	ND		0.40		ug/L			08/26/15 17:23	1
Ethylbenzene	ND		0.20		ug/L			08/26/15 17:23	1
Hexachlorobutadiene	ND		0.50		ug/L			08/26/15 17:23	1
Isopropylbenzene	ND		0.50		ug/L			08/26/15 17:23	1
Methyl tert-butyl ether	ND	*	0.20		ug/L			08/26/15 17:23	1
Methylene Chloride	ND		0.50		ug/L			08/26/15 17:23	1
m-Xylene & p-Xylene	ND		0.50		ug/L			08/26/15 17:23	1
Naphthalene	ND		0.50		ug/L			08/26/15 17:23	1
n-Butylbenzene	ND		0.50		ug/L			08/26/15 17:23	1
N-Propylbenzene	ND		0.20		ug/L			08/26/15 17:23	1

Client Sample ID: MW-4
Date Collected: 08/13/15 19:20
Date Received: 08/14/15 08:15

Lab Sample ID: 580-52522-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.50		ug/L			08/26/15 17:23	1
sec-Butylbenzene	ND		0.50		ug/L			08/26/15 17:23	1
Styrene	ND		0.50		ug/L			08/26/15 17:23	1
tert-Butylbenzene	ND		0.50		ug/L			08/26/15 17:23	1
Tetrachloroethene	ND		0.50		ug/L			08/26/15 17:23	1
Toluene	ND		0.20		ug/L			08/26/15 17:23	1
trans-1,2-Dichloroethene	**0.29**		0.20		ug/L			08/26/15 17:23	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/26/15 17:23	1
Trichloroethene	ND		0.20		ug/L			08/26/15 17:23	1
Trichlorofluoromethane	ND		0.50		ug/L			08/26/15 17:23	1
Vinyl chloride	ND		0.020		ug/L			08/26/15 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*75 - 120*		*08/26/15 17:23*	*1*
Toluene-d8 (Surr)	*98*		*75 - 125*		*08/26/15 17:23*	*1*
Trifluorotoluene (Surr)	*99*		*80 - 127*		*08/26/15 17:23*	*1*
Dibromofluoromethane (Surr)	*88*		*85 - 115*		*08/26/15 17:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*76*		*70 - 128*		*08/26/15 17:23*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**0.051**		0.050		mg/L			08/20/15 04:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*50 - 150*		*08/20/15 04:08*	*1*
Trifluorotoluene (Surr)	*102*		*50 - 150*		*08/20/15 04:08*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010		ug/L		08/27/15 13:33	08/27/15 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*179*	*X*	*70 - 130*	*08/27/15 13:33*	*08/27/15 16:20*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-198773/6
Matrix: Water
Analysis Batch: 198773

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.20		ug/L			08/24/15 17:43	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/24/15 17:43	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/24/15 17:43	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/24/15 17:43	1
1,1-Dichloroethane	ND		0.20		ug/L			08/24/15 17:43	1
1,1-Dichloroethene	ND		0.10		ug/L			08/24/15 17:43	1
1,1-Dichloropropene	ND		0.10		ug/L			08/24/15 17:43	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			08/24/15 17:43	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/24/15 17:43	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			08/24/15 17:43	1
1,2,4-Trimethylbenzene	ND		0.20		ug/L			08/24/15 17:43	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/24/15 17:43	1
1,2-Dibromoethane	ND		0.10		ug/L			08/24/15 17:43	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/24/15 17:43	1
EDC	ND		0.20		ug/L			08/24/15 17:43	1
1,2-Dichloropropane	ND		0.20		ug/L			08/24/15 17:43	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/24/15 17:43	1
1,3-Dichlorobenzene	ND		0.30		ug/L			08/24/15 17:43	1
1,3-Dichloropropane	ND		0.20		ug/L			08/24/15 17:43	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/24/15 17:43	1
2,2-Dichloropropane	ND		0.50		ug/L			08/24/15 17:43	1
2-Chlorotoluene	ND		0.50		ug/L			08/24/15 17:43	1
4-Chlorotoluene	ND		0.30		ug/L			08/24/15 17:43	1
4-Isopropyltoluene	ND		0.30		ug/L			08/24/15 17:43	1
Benzene	ND		0.20		ug/L			08/24/15 17:43	1
Benzene	ND		0.20		ug/L			08/24/15 17:43	1
Bromobenzene	ND		0.20		ug/L			08/24/15 17:43	1
Bromoform	ND		0.50		ug/L			08/24/15 17:43	1
Bromomethane	ND		1.0		ug/L			08/24/15 17:43	1
Carbon tetrachloride	ND		0.20		ug/L			08/24/15 17:43	1
Chlorobenzene	ND		0.20		ug/L			08/24/15 17:43	1
Chlorobromomethane	ND		0.20		ug/L			08/24/15 17:43	1
Chlorodibromomethane	ND		0.20		ug/L			08/24/15 17:43	1
Chloroethane	ND		0.50		ug/L			08/24/15 17:43	1
Chloroform	ND		0.20		ug/L			08/24/15 17:43	1
Chloromethane	ND		0.30		ug/L			08/24/15 17:43	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/24/15 17:43	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/24/15 17:43	1
Dibromomethane	ND		0.20		ug/L			08/24/15 17:43	1
Dichlorobromomethane	ND		0.20		ug/L			08/24/15 17:43	1
Dichlorodifluoromethane	ND		0.40		ug/L			08/24/15 17:43	1
Ethylbenzene	ND		0.20		ug/L			08/24/15 17:43	1
Hexachlorobutadiene	ND		0.50		ug/L			08/24/15 17:43	1
Isopropylbenzene	ND		0.50		ug/L			08/24/15 17:43	1
Methyl tert-butyl ether	ND		0.20		ug/L			08/24/15 17:43	1
Methylene Chloride	ND		0.50		ug/L			08/24/15 17:43	1
Methylene Chloride	ND		0.50		ug/L			08/24/15 17:43	1
m-Xylene & p-Xylene	ND		0.50		ug/L			08/24/15 17:43	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 580-198773/6
Matrix: Water
Analysis Batch: 198773

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.50		ug/L			08/24/15 17:43	1
n-Butylbenzene	ND		0.50		ug/L			08/24/15 17:43	1
N-Propylbenzene	ND		0.20		ug/L			08/24/15 17:43	1
o-Xylene	ND		0.50		ug/L			08/24/15 17:43	1
sec-Butylbenzene	ND		0.50		ug/L			08/24/15 17:43	1
Styrene	ND		0.50		ug/L			08/24/15 17:43	1
tert-Butylbenzene	ND		0.50		ug/L			08/24/15 17:43	1
Tetrachloroethene	ND		0.50		ug/L			08/24/15 17:43	1
Tetrachloroethene	ND		0.50		ug/L			08/24/15 17:43	1
Toluene	ND		0.20		ug/L			08/24/15 17:43	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/24/15 17:43	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/24/15 17:43	1
Trichloroethene	ND		0.20		ug/L			08/24/15 17:43	1
Trichlorofluoromethane	ND		0.50		ug/L			08/24/15 17:43	1
Vinyl chloride	ND		0.020		ug/L			08/24/15 17:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*75 - 120*		*08/24/15 17:43*	*1*
Toluene-d8 (Surr)	*98*		*75 - 125*		*08/24/15 17:43*	*1*
Toluene-d8 (Surr)	*98*		*75 - 125*		*08/24/15 17:43*	*1*
Trifluorotoluene (Surr)	*98*		*80 - 127*		*08/24/15 17:43*	*1*
Dibromofluoromethane (Surr)	*88*		*85 - 115*		*08/24/15 17:43*	*1*
Dibromofluoromethane (Surr)	*88*		*85 - 115*		*08/24/15 17:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*76*		*70 - 128*		*08/24/15 17:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*76*		*70 - 128*		*08/24/15 17:43*	*1*

Lab Sample ID: LCS 580-198773/7
Matrix: Water
Analysis Batch: 198773

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	5.00	5.96		ug/L		119	75 - 125
1,1,1-Trichloroethane	5.00	5.70		ug/L		114	80 - 140
1,1,2,2-Tetrachloroethane	5.01	4.34		ug/L		87	75 - 125
1,1,2-Trichloroethane	5.00	5.09		ug/L		102	80 - 130
1,1-Dichloroethane	5.01	4.90		ug/L		98	75 - 135
1,1-Dichloroethene	5.01	4.88		ug/L		97	70 - 150
1,1-Dichloropropene	5.00	5.80		ug/L		116	80 - 130
1,2,3-Trichlorobenzene	5.00	4.95		ug/L		99	60 - 125
1,2,3-Trichloropropane	5.00	4.94		ug/L		99	75 - 120
1,2,4-Trichlorobenzene	5.00	5.36		ug/L		107	60 - 125
1,2,4-Trimethylbenzene	5.00	5.49		ug/L		110	80 - 125
1,2-Dibromo-3-Chloropropane	5.00	5.21		ug/L		104	55 - 120
1,2-Dibromoethane	5.00	5.32		ug/L		106	70 - 130
1,2-Dichlorobenzene	5.00	5.11		ug/L		102	80 - 130
EDC	5.00	4.90		ug/L		98	80 - 140
1,2-Dichloropropane	5.00	4.75		ug/L		95	80 - 120
1,3,5-Trimethylbenzene	5.00	5.70		ug/L		114	80 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 580-198773/7
Matrix: Water
Analysis Batch: 198773

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	5.00	5.24		ug/L		105	80 - 120
1,3-Dichloropropane	5.00	4.67		ug/L		93	80 - 130
1,4-Dichlorobenzene	5.00	4.95		ug/L		99	80 - 120
2,2-Dichloropropane	5.00	6.45		ug/L		129	60 - 150
2-Chlorotoluene	5.00	5.43		ug/L		109	75 - 130
4-Chlorotoluene	5.00	5.48		ug/L		110	75 - 130
4-Isopropyltoluene	5.00	5.13		ug/L		103	80 - 120
Benzene	5.00	5.21		ug/L		104	80 - 120
Bromobenzene	5.00	5.34		ug/L		107	80 - 130
Bromoform	5.00	5.14		ug/L		103	65 - 130
Bromomethane	6.24	4.99		ug/L		80	70 - 135
Carbon tetrachloride	5.00	5.83		ug/L		117	75 - 140
Chlorobenzene	5.00	5.15		ug/L		103	80 - 120
Chlorobromomethane	5.00	5.80		ug/L		116	80 - 125
Chlorodibromomethane	5.00	5.89		ug/L		118	70 - 120
Chloroform	5.00	5.15		ug/L		103	80 - 130
Chloromethane	6.26	4.45		ug/L		71	50 - 140
cis-1,2-Dichloroethene	5.00	5.50		ug/L		110	80 - 130
cis-1,3-Dichloropropene	5.00	5.53		ug/L		110	70 - 120
Dibromomethane	5.00	6.26		ug/L		125	80 - 130
Dichlorobromomethane	5.00	5.35		ug/L		107	80 - 125
Dichlorodifluoromethane	6.24	3.09		ug/L		50	30 - 180
Ethylbenzene	5.00	5.29		ug/L		106	80 - 125
Hexachlorobutadiene	5.00	6.00		ug/L		120	75 - 135
Isopropylbenzene	5.00	5.88		ug/L		117	75 - 120
Methyl tert-butyl ether	5.00	5.72		ug/L		114	75 - 120
Methylene Chloride	5.00	5.13		ug/L		102	60 - 145
m-Xylene & p-Xylene	5.00	5.63		ug/L		113	80 - 130
Naphthalene	5.00	5.11		ug/L		102	45 - 130
n-Butylbenzene	5.00	5.36		ug/L		107	75 - 125
N-Propylbenzene	5.00	5.17		ug/L		103	80 - 120
o-Xylene	5.00	5.66		ug/L		113	80 - 120
sec-Butylbenzene	5.00	5.51		ug/L		110	80 - 125
Styrene	5.00	5.98		ug/L		120	75 - 130
tert-Butylbenzene	5.00	5.72		ug/L		114	80 - 130
Tetrachloroethene	5.00	5.42		ug/L		108	40 - 180
Toluene	5.00	5.30		ug/L		106	80 - 120
trans-1,2-Dichloroethene	5.00	5.63		ug/L		113	80 - 140
trans-1,3-Dichloropropene	5.00	5.34		ug/L		107	60 - 140
Trichloroethene	5.00	5.99		ug/L		120	80 - 130
Trichlorofluoromethane	6.26	5.16		ug/L		82	30 - 180
Vinyl chloride	6.25	4.42		ug/L		71	65 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*75 - 120*
Toluene-d8 (Surr)	*98*		*75 - 125*
Trifluorotoluene (Surr)	*99*		*80 - 127*
Dibromofluoromethane (Surr)	*89*		*85 - 115*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 580-198773/7
Matrix: Water
Analysis Batch: 198773

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*74*		*70 - 128*

Lab Sample ID: LCSD 580-198773/8
Matrix: Water
Analysis Batch: 198773

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			5.00	5.52		ug/L		110	75 - 125	8	20
1,1,1-Trichloroethane			5.00	5.40		ug/L		108	80 - 140	5	20
1,1,2,2-Tetrachloroethane			5.01	4.20		ug/L		84	75 - 125	3	20
1,1,2-Trichloroethane			5.00	4.90		ug/L		98	80 - 130	4	20
1,1-Dichloroethane			5.01	4.74		ug/L		95	75 - 135	3	20
1,1-Dichloroethene			5.01	4.86		ug/L		97	70 - 150	0	20
1,1-Dichloropropene			5.00	5.60		ug/L		112	80 - 130	3	20
1,2,3-Trichlorobenzene			5.00	5.02		ug/L		100	60 - 125	1	20
1,2,3-Trichloropropane			5.00	4.84		ug/L		97	75 - 120	2	20
1,2,4-Trichlorobenzene			5.00	5.33		ug/L		106	60 - 125	1	20
1,2,4-Trimethylbenzene			5.00	5.22		ug/L		104	80 - 125	5	20
1,2-Dibromo-3-Chloropropane			5.00	5.23		ug/L		105	55 - 120	0	20
1,2-Dibromoethane			5.00	5.13		ug/L		103	70 - 130	4	20
1,2-Dichlorobenzene			5.00	4.93		ug/L		99	80 - 130	4	20
EDC			5.00	4.93		ug/L		99	80 - 140	1	20
1,2-Dichloropropane			5.00	4.69		ug/L		94	80 - 120	1	20
1,3,5-Trimethylbenzene			5.00	5.32		ug/L		106	80 - 125	7	20
1,3-Dichlorobenzene			5.00	4.99		ug/L		100	80 - 120	5	20
1,3-Dichloropropane			5.00	4.54		ug/L		91	80 - 130	3	20
1,4-Dichlorobenzene			5.00	4.77		ug/L		95	80 - 120	4	20
2,2-Dichloropropane			5.00	5.49		ug/L		110	60 - 150	16	20
2-Chlorotoluene			5.00	5.32		ug/L		106	75 - 130	2	20
4-Chlorotoluene			5.00	5.31		ug/L		106	75 - 130	3	20
4-Isopropyltoluene			5.00	4.89		ug/L		98	80 - 120	5	20
Benzene			5.00	5.04		ug/L		101	80 - 120	3	20
Bromobenzene			5.00	5.16		ug/L		103	80 - 130	4	20
Bromoform			5.00	4.94		ug/L		99	65 - 130	4	20
Bromomethane			6.24	4.83		ug/L		77	70 - 135	3	20
Carbon tetrachloride			5.00	5.64		ug/L		113	75 - 140	3	20
Chlorobenzene			5.00	4.88		ug/L		98	80 - 120	5	20
Chlorobromomethane			5.00	5.79		ug/L		116	80 - 125	0	20
Chlorodibromomethane			5.00	5.65		ug/L		113	70 - 120	4	20
Chloroform			5.00	4.90		ug/L		98	80 - 130	5	20
Chloromethane			6.26	4.65		ug/L		74	50 - 140	4	20
cis-1,2-Dichloroethene			5.00	5.27		ug/L		105	80 - 130	4	20
cis-1,3-Dichloropropene			5.00	5.33		ug/L		106	70 - 120	4	20
Dibromomethane			5.00	6.24		ug/L		125	80 - 130	0	20
Dichlorobromomethane			5.00	5.34		ug/L		107	80 - 125	0	20
Dichlorodifluoromethane			6.24	3.03		ug/L		49	30 - 180	2	20
Ethylbenzene			5.00	5.06		ug/L		101	80 - 125	5	20
Hexachlorobutadiene			5.00	5.92		ug/L		118	75 - 135	1	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-198773/8
Matrix: Water
Analysis Batch: 198773

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Isopropylbenzene			5.00	5.49		ug/L		110	75 - 120	7	20
Methyl tert-butyl ether			5.00	5.43		ug/L		109	75 - 120	5	20
Methylene Chloride			5.00	4.89		ug/L		98	60 - 145	5	20
m-Xylene & p-Xylene			5.00	5.37		ug/L		107	80 - 130	5	20
Naphthalene			5.00	5.18		ug/L		104	45 - 130	1	20
n-Butylbenzene			5.00	5.30		ug/L		106	75 - 125	1	20
N-Propylbenzene			5.00	4.91		ug/L		98	80 - 120	5	20
o-Xylene			5.00	5.37		ug/L		107	80 - 120	5	20
sec-Butylbenzene			5.00	5.19		ug/L		104	80 - 125	6	20
Styrene			5.00	5.69		ug/L		114	75 - 130	5	20
tert-Butylbenzene			5.00	5.44		ug/L		109	80 - 130	5	20
Tetrachloroethene			5.00	5.07		ug/L		101	40 - 180	7	20
Toluene			5.00	4.96		ug/L		99	80 - 120	7	20
trans-1,2-Dichloroethene			5.00	5.30		ug/L		106	80 - 140	6	20
trans-1,3-Dichloropropene			5.00	5.15		ug/L		103	60 - 140	4	20
Trichloroethene			5.00	5.83		ug/L		117	80 - 130	3	20
Trichlorofluoromethane			6.26	4.46		ug/L		71	30 - 180	15	20
Vinyl chloride			6.25	4.43		ug/L		71	65 - 140	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*75 - 120*
Toluene-d8 (Surr)	*97*		*75 - 125*
Trifluorotoluene (Surr)	*96*		*80 - 127*
Dibromofluoromethane (Surr)	*90*		*85 - 115*
1,2-Dichloroethane-d4 (Surr)	*76*		*70 - 128*

Lab Sample ID: MB 580-199054/3
Matrix: Water
Analysis Batch: 199054

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.20		ug/L			08/26/15 13:52	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/26/15 13:52	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/26/15 13:52	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/26/15 13:52	1
1,1-Dichloroethane	ND		0.20		ug/L			08/26/15 13:52	1
1,1-Dichloroethene	ND		0.10		ug/L			08/26/15 13:52	1
1,1-Dichloropropene	ND		0.10		ug/L			08/26/15 13:52	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			08/26/15 13:52	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/26/15 13:52	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			08/26/15 13:52	1
1,2,4-Trimethylbenzene	ND		0.20		ug/L			08/26/15 13:52	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/26/15 13:52	1
1,2-Dibromoethane	ND		0.10		ug/L			08/26/15 13:52	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/26/15 13:52	1
EDC	ND		0.20		ug/L			08/26/15 13:52	1
1,2-Dichloropropane	ND		0.20		ug/L			08/26/15 13:52	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/26/15 13:52	1

Client: Blaes Environmental Inc.
Project/Site: Circle K #6042 NACHES, WA

TestAmerica Job ID: 580-52522-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 580-199054/3
Matrix: Water
Analysis Batch: 199054

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		0.30		ug/L			08/26/15 13:52	1
1,3-Dichloropropane	ND		0.20		ug/L			08/26/15 13:52	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/26/15 13:52	1
2,2-Dichloropropane	ND		0.50		ug/L			08/26/15 13:52	1
2-Chlorotoluene	ND		0.50		ug/L			08/26/15 13:52	1
4-Chlorotoluene	ND		0.30		ug/L			08/26/15 13:52	1
4-Isopropyltoluene	ND		0.30		ug/L			08/26/15 13:52	1
Benzene	ND		0.20		ug/L			08/26/15 13:52	1
Bromobenzene	ND		0.20		ug/L			08/26/15 13:52	1
Bromoform	ND		0.50		ug/L			08/26/15 13:52	1
Bromomethane	ND		1.0		ug/L			08/26/15 13:52	1
Carbon tetrachloride	ND		0.20		ug/L			08/26/15 13:52	1
Chlorobenzene	ND		0.20		ug/L			08/26/15 13:52	1
Chlorobromomethane	ND		0.20		ug/L			08/26/15 13:52	1
Chlorodibromomethane	ND		0.20		ug/L			08/26/15 13:52	1
Chloroethane	ND		0.50		ug/L			08/26/15 13:52	1
Chloroform	ND		0.20		ug/L			08/26/15 13:52	1
Chloromethane	ND		0.30		ug/L			08/26/15 13:52	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/26/15 13:52	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/26/15 13:52	1
Dibromomethane	ND		0.20		ug/L			08/26/15 13:52	1
Dichlorobromomethane	ND		0.20		ug/L			08/26/15 13:52	1
Dichlorodifluoromethane	ND		0.40		ug/L			08/26/15 13:52	1
Ethylbenzene	ND		0.20		ug/L			08/26/15 13:52	1
Hexachlorobutadiene	ND		0.50		ug/L			08/26/15 13:52	1
Isopropylbenzene	ND		0.50		ug/L			08/26/15 13:52	1
Methyl tert-butyl ether	ND		0.20		ug/L			08/26/15 13:52	1
Methylene Chloride	ND		0.50		ug/L			08/26/15 13:52	1
m-Xylene & p-Xylene	ND		0.50		ug/L			08/26/15 13:52	1
Naphthalene	ND		0.50		ug/L			08/26/15 13:52	1
n-Butylbenzene	ND		0.50		ug/L			08/26/15 13:52	1
N-Propylbenzene	ND		0.20		ug/L			08/26/15 13:52	1
o-Xylene	ND		0.50		ug/L			08/26/15 13:52	1
sec-Butylbenzene	ND		0.50		ug/L			08/26/15 13:52	1
Styrene	ND		0.50		ug/L			08/26/15 13:52	1
tert-Butylbenzene	ND		0.50		ug/L			08/26/15 13:52	1
Tetrachloroethene	ND		0.50		ug/L			08/26/15 13:52	1
Toluene	ND		0.20		ug/L			08/26/15 13:52	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/26/15 13:52	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/26/15 13:52	1
Trichloroethene	ND		0.20		ug/L			08/26/15 13:52	1
Trichlorofluoromethane	ND		0.50		ug/L			08/26/15 13:52	1
Vinyl chloride	ND		0.020		ug/L			08/26/15 13:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*75 - 120*		*08/26/15 13:52*	*1*
Toluene-d8 (Surr)	*98*		*75 - 125*		*08/26/15 13:52*	*1*
Trifluorotoluene (Surr)	*96*		*80 - 127*		*08/26/15 13:52*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 580-199054/3
Matrix: Water
Analysis Batch: 199054

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*85*		*85 - 115*		*08/26/15 13:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*72*		*70 - 128*		*08/26/15 13:52*	*1*

Lab Sample ID: LCS 580-199054/4
Matrix: Water
Analysis Batch: 199054

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	5.00	5.50		ug/L		110	75 - 125
1,1,1-Trichloroethane	5.00	5.62		ug/L		112	80 - 140
1,1,2,2-Tetrachloroethane	5.01	4.29		ug/L		86	75 - 125
1,1,2-Trichloroethane	5.00	4.92		ug/L		98	80 - 130
1,1-Dichloroethane	5.01	4.92		ug/L		98	75 - 135
1,1-Dichloroethene	5.01	5.26		ug/L		105	70 - 150
1,1-Dichloropropene	5.00	5.71		ug/L		114	80 - 130
1,2,3-Trichlorobenzene	5.00	5.17		ug/L		103	60 - 125
1,2,3-Trichloropropane	5.00	4.90		ug/L		98	75 - 120
1,2,4-Trichlorobenzene	5.00	5.49		ug/L		110	60 - 125
1,2,4-Trimethylbenzene	5.00	5.32		ug/L		106	80 - 125
1,2-Dibromo-3-Chloropropane	5.00	5.41		ug/L		108	55 - 120
1,2-Dibromoethane	5.00	5.07		ug/L		101	70 - 130
1,2-Dichlorobenzene	5.00	4.97		ug/L		99	80 - 130
EDC	5.00	4.78		ug/L		96	80 - 140
1,2-Dichloropropane	5.00	4.98		ug/L		100	80 - 120
1,3,5-Trimethylbenzene	5.00	5.51		ug/L		110	80 - 125
1,3-Dichlorobenzene	5.00	5.02		ug/L		100	80 - 120
1,3-Dichloropropane	5.00	4.57		ug/L		91	80 - 130
1,4-Dichlorobenzene	5.00	4.87		ug/L		97	80 - 120
2,2-Dichloropropane	5.00	5.89		ug/L		118	60 - 150
2-Chlorotoluene	5.00	5.31		ug/L		106	75 - 130
4-Chlorotoluene	5.00	5.41		ug/L		108	75 - 130
4-Isopropyltoluene	5.00	4.98		ug/L		100	80 - 120
Benzene	5.00	5.31		ug/L		106	80 - 120
Bromobenzene	5.00	5.14		ug/L		103	80 - 130
Bromoform	5.00	5.26		ug/L		105	65 - 130
Bromomethane	6.24	7.37		ug/L		118	70 - 135
Carbon tetrachloride	5.00	5.98		ug/L		119	75 - 140
Chlorobenzene	5.00	4.91		ug/L		98	80 - 120
Chlorobromomethane	5.00	6.02		ug/L		120	80 - 125
Chlorodibromomethane	5.00	5.56		ug/L		111	70 - 120
Chloroethane	6.25	5.13		ug/L		82	75 - 140
Chloroform	5.00	5.05		ug/L		101	80 - 130
Chloromethane	6.26	6.79		ug/L		108	50 - 140
cis-1,2-Dichloroethene	5.00	5.68		ug/L		114	80 - 130
cis-1,3-Dichloropropene	5.00	5.62		ug/L		112	70 - 120
Dibromomethane	5.00	6.19		ug/L		124	80 - 130
Dichlorobromomethane	5.00	5.13		ug/L		103	80 - 125
Dichlorodifluoromethane	6.24	3.99		ug/L		64	30 - 180

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 580-199054/4
Matrix: Water
Analysis Batch: 199054

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	5.00	5.03		ug/L		101	80 - 125
Hexachlorobutadiene	5.00	6.09		ug/L		122	75 - 135
Isopropylbenzene	5.00	5.64		ug/L		113	75 - 120
Methyl tert-butyl ether	5.00	5.84		ug/L		117	75 - 120
Methylene Chloride	5.00	5.28		ug/L		106	60 - 145
m-Xylene & p-Xylene	5.00	5.30		ug/L		106	80 - 130
Naphthalene	5.00	5.47		ug/L		109	45 - 130
n-Butylbenzene	5.00	5.28		ug/L		106	75 - 125
N-Propylbenzene	5.00	5.13		ug/L		103	80 - 120
o-Xylene	5.00	5.29		ug/L		106	80 - 120
sec-Butylbenzene	5.00	5.38		ug/L		108	80 - 125
Styrene	5.00	5.78		ug/L		116	75 - 130
tert-Butylbenzene	5.00	5.67		ug/L		113	80 - 130
Tetrachloroethene	5.00	5.97		ug/L		119	40 - 180
Toluene	5.00	5.13		ug/L		103	80 - 120
trans-1,2-Dichloroethene	5.00	5.84		ug/L		117	80 - 140
trans-1,3-Dichloropropene	5.00	5.11		ug/L		102	60 - 140
Trichloroethene	5.00	6.01		ug/L		120	80 - 130
Trichlorofluoromethane	6.26	6.37		ug/L		102	30 - 180
Vinyl chloride	6.25	6.15		ug/L		98	65 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*75 - 120*
Toluene-d8 (Surr)	*97*		*75 - 125*
Trifluorotoluene (Surr)	*98*		*80 - 127*
Dibromofluoromethane (Surr)	*88*		*85 - 115*
1,2-Dichloroethane-d4 (Surr)	*73*		*70 - 128*

Lab Sample ID: LCSD 580-199054/5
Matrix: Water
Analysis Batch: 199054

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	6.01		ug/L		120	75 - 125	9	20
1,1,1-Trichloroethane	5.00	6.00		ug/L		120	80 - 140	7	20
1,1,2,2-Tetrachloroethane	5.01	4.41		ug/L		88	75 - 125	3	20
1,1,2-Trichloroethane	5.00	5.21		ug/L		104	80 - 130	6	20
1,1-Dichloroethane	5.01	5.18		ug/L		103	75 - 135	5	20
1,1-Dichloroethene	5.01	5.38		ug/L		108	70 - 150	2	20
1,1-Dichloropropene	5.00	6.08		ug/L		121	80 - 130	6	20
1,2,3-Trichlorobenzene	5.00	5.38		ug/L		107	60 - 125	4	20
1,2,3-Trichloropropane	5.00	5.17		ug/L		103	75 - 120	5	20
1,2,4-Trichlorobenzene	5.00	5.80		ug/L		116	60 - 125	5	20
1,2,4-Trimethylbenzene	5.00	5.64		ug/L		113	80 - 125	6	20
1,2-Dibromo-3-Chloropropane	5.00	5.56		ug/L		111	55 - 120	3	20
1,2-Dibromoethane	5.00	5.39		ug/L		108	70 - 130	6	20
1,2-Dichlorobenzene	5.00	5.20		ug/L		104	80 - 130	5	20
EDC	5.00	5.09		ug/L		102	80 - 140	6	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-199054/5
Matrix: Water
Analysis Batch: 199054

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloropropane			5.00	5.23		ug/L		105	80 - 120	5	20
1,3,5-Trimethylbenzene			5.00	5.86		ug/L		117	80 - 125	6	20
1,3-Dichlorobenzene			5.00	5.29		ug/L		106	80 - 120	5	20
1,3-Dichloropropane			5.00	4.67		ug/L		93	80 - 130	2	20
1,4-Dichlorobenzene			5.00	5.10		ug/L		102	80 - 120	5	20
2,2-Dichloropropane			5.00	6.42		ug/L		128	60 - 150	9	20
2-Chlorotoluene			5.00	5.69		ug/L		114	75 - 130	7	20
4-Chlorotoluene			5.00	5.66		ug/L		113	75 - 130	5	20
4-Isopropyltoluene			5.00	5.28		ug/L		106	80 - 120	6	20
Benzene			5.00	5.40		ug/L		108	80 - 120	2	20
Bromobenzene			5.00	5.63		ug/L		113	80 - 130	9	20
Bromoform			5.00	5.44		ug/L		109	65 - 130	4	20
Bromomethane			6.24	7.59		ug/L		122	70 - 135	3	20
Carbon tetrachloride			5.00	6.28		ug/L		126	75 - 140	5	20
Chlorobenzene			5.00	5.22		ug/L		104	80 - 120	6	20
Chlorobromomethane			5.00	6.32	*	ug/L		126	80 - 125	5	20
Chlorodibromomethane			5.00	5.94		ug/L		119	70 - 120	7	20
Chloroethane			6.25	6.85	*	ug/L		110	75 - 140	29	20
Chloroform			5.00	5.39		ug/L		108	80 - 130	7	20
Chloromethane			6.26	6.44		ug/L		103	50 - 140	5	20
cis-1,2-Dichloroethene			5.00	5.76		ug/L		115	80 - 130	1	20
cis-1,3-Dichloropropene			5.00	5.81		ug/L		116	70 - 120	3	20
Dibromomethane			5.00	6.39		ug/L		128	80 - 130	3	20
Dichlorobromomethane			5.00	5.79		ug/L		116	80 - 125	12	20
Dichlorodifluoromethane			6.24	4.20		ug/L		67	30 - 180	5	20
Ethylbenzene			5.00	5.34		ug/L		107	80 - 125	6	20
Hexachlorobutadiene			5.00	6.47		ug/L		129	75 - 135	6	20
Isopropylbenzene			5.00	5.93		ug/L		119	75 - 120	5	20
Methyl tert-butyl ether			5.00	6.07	*	ug/L		121	75 - 120	4	20
Methylene Chloride			5.00	5.38		ug/L		108	60 - 145	2	20
m-Xylene & p-Xylene			5.00	5.64		ug/L		113	80 - 130	6	20
Naphthalene			5.00	5.79		ug/L		116	45 - 130	6	20
n-Butylbenzene			5.00	5.65		ug/L		113	75 - 125	7	20
N-Propylbenzene			5.00	5.32		ug/L		106	80 - 120	4	20
o-Xylene			5.00	5.66		ug/L		113	80 - 120	7	20
sec-Butylbenzene			5.00	5.67		ug/L		113	80 - 125	5	20
Styrene			5.00	6.20		ug/L		124	75 - 130	7	20
tert-Butylbenzene			5.00	5.97		ug/L		119	80 - 130	5	20
Tetrachloroethene			5.00	6.85		ug/L		137	40 - 180	14	20
Toluene			5.00	5.39		ug/L		108	80 - 120	5	20
trans-1,2-Dichloroethene			5.00	6.06		ug/L		121	80 - 140	4	20
trans-1,3-Dichloropropene			5.00	5.37		ug/L		107	60 - 140	5	20
Trichloroethene			5.00	6.39		ug/L		128	80 - 130	6	20
Trichlorofluoromethane			6.26	6.75		ug/L		108	30 - 180	6	20
Vinyl chloride			6.25	6.27		ug/L		100	65 - 140	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*75 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-199054/5
Matrix: Water
Analysis Batch: 199054

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*75 - 125*
Trifluorotoluene (Surr)	*99*		*80 - 127*
Dibromofluoromethane (Surr)	*89*		*85 - 115*
1,2-Dichloroethane-d4 (Surr)	*73*		*70 - 128*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-198271/5
Matrix: Water
Analysis Batch: 198271

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050		mg/L			08/18/15 16:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*50 - 150*		*08/18/15 16:04*	*1*
Trifluorotoluene (Surr)	*108*		*50 - 150*		*08/18/15 16:04*	*1*

Lab Sample ID: LCS 580-198271/6
Matrix: Water
Analysis Batch: 198271

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1.16	1.08		mg/L		93	79 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*50 - 150*
Trifluorotoluene (Surr)	*115*		*50 - 150*

Lab Sample ID: LCSD 580-198271/7
Matrix: Water
Analysis Batch: 198271

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	1.16	1.10		mg/L		95	79 - 110	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*50 - 150*
Trifluorotoluene (Surr)	*115*		*50 - 150*

Lab Sample ID: MB 580-198406/5
Matrix: Water
Analysis Batch: 198406

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050		mg/L			08/19/15 16:55	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: MB 580-198406/5
Matrix: Water
Analysis Batch: 198406

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		50 - 150		08/19/15 16:55	1
Trifluorotoluene (Surr)	106		50 - 150		08/19/15 16:55	1

Lab Sample ID: LCS 580-198406/6
Matrix: Water
Analysis Batch: 198406

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1.16	0.932		mg/L		80	79 - 110

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		50 - 150
Trifluorotoluene (Surr)	112		50 - 150

Lab Sample ID: LCSD 580-198406/7
Matrix: Water
Analysis Batch: 198406

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	1.16	1.09		mg/L		93	79 - 110	15	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		50 - 150
Trifluorotoluene (Surr)	110		50 - 150

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 580-199209/1-A
Matrix: Water
Analysis Batch: 199171

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 199209

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010		ug/L		08/27/15 13:33	08/27/15 11:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	177	X	70 - 130	08/27/15 13:33	08/27/15 11:19	1

Lab Sample ID: LCS 580-199209/2-A
Matrix: Water
Analysis Batch: 199171

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 199209

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylene Dibromide	0.0574	0.0701		ug/L		122	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dibromopropane	165	X	70 - 130

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: LCSD 580-199209/3-A
Matrix: Water
Analysis Batch: 199171

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 199209

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylene Dibromide			0.0574	0.0697		ug/L		122	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dibromopropane	*161*	*X*	*70 - 130*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-199008/1-A
Matrix: Water
Analysis Batch: 198994

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 199008

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		0.11		mg/L		08/26/15 09:19	08/26/15 14:16	1
Motor Oil (>C24-C36)	ND		0.25		mg/L		08/26/15 09:19	08/26/15 14:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*71*		*50 - 150*	*08/26/15 09:19*	*08/26/15 14:16*	*1*

Lab Sample ID: LCS 580-199008/2-A
Matrix: Water
Analysis Batch: 198994

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 199008

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)			2.00	1.91		mg/L		95	59 - 120
Motor Oil (>C24-C36)			2.01	2.05		mg/L		102	71 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*78*		*50 - 150*

Lab Sample ID: LCSD 580-199008/3-A
Matrix: Water
Analysis Batch: 198994

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 199008

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)			2.00	1.95		mg/L		97	59 - 120	2	27
Motor Oil (>C24-C36)			2.01	2.11		mg/L		105	71 - 140	3	27

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*82*		*50 - 150*

Lab Chronicle

Client: Blaes Environmental Inc.
Project/Site: Circle K #6042 NACHES, WA

TestAmerica Job ID: 580-52522-1

Client Sample ID: MW-1

Lab Sample ID: 580-52522-1

Date Collected: 08/13/15 19:00

Matrix: Water

Date Received: 08/14/15 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	198773	08/25/15 01:01	CJ	TAL SEA
Total/NA	Analysis	8260B	RA	1	199054	08/26/15 16:30	K1K	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	198271	08/18/15 18:48	TL1	TAL SEA
Total/NA	Prep	8011			199209	08/27/15 13:33	CGM	TAL SEA
Total/NA	Analysis	8011		1	199171	08/27/15 15:04	CGM	TAL SEA

Client Sample ID: MW-2

Lab Sample ID: 580-52522-2

Date Collected: 08/13/15 18:41

Matrix: Water

Date Received: 08/14/15 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	198773	08/25/15 01:27	CJ	TAL SEA
Total/NA	Analysis	8260B	RA	1	199054	08/26/15 16:57	K1K	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	198271	08/18/15 19:21	TL1	TAL SEA
Total/NA	Prep	8011			199209	08/27/15 13:33	CGM	TAL SEA
Total/NA	Analysis	8011		1	199171	08/27/15 15:29	CGM	TAL SEA

Client Sample ID: MW-3

Lab Sample ID: 580-52522-3

Date Collected: 08/13/15 19:39

Matrix: Water

Date Received: 08/14/15 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	199054	08/26/15 16:04	K1K	TAL SEA
Total/NA	Analysis	NWTPH-Gx		50	198406	08/20/15 04:41	HDK	TAL SEA
Total/NA	Prep	8011			199209	08/27/15 13:33	CGM	TAL SEA
Total/NA	Analysis	8011		1	199171	08/27/15 15:54	CGM	TAL SEA
Total/NA	Prep	3510C			199008	08/26/15 09:19	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	198994	08/26/15 16:01	EKK	TAL SEA

Client Sample ID: MW-4

Lab Sample ID: 580-52522-4

Date Collected: 08/13/15 19:20

Matrix: Water

Date Received: 08/14/15 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	199054	08/26/15 17:23	K1K	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	198406	08/20/15 04:08	HDK	TAL SEA
Total/NA	Prep	8011			199209	08/27/15 13:33	CGM	TAL SEA
Total/NA	Analysis	8011		1	199171	08/27/15 16:20	CGM	TAL SEA

Laboratory References:

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Certification Summary

Client: Blaes Environmental Inc.
Project/Site: Circle K #6042 NACHES, WA

TestAmerica Job ID: 580-52522-1

Laboratory: TestAmerica Seattle

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-022	03-02-16
California	State Program	9	2901	01-31-17
L-A-B	DoD ELAP		L2236	01-19-16
L-A-B	ISO/IEC 17025		L2236	01-19-16
Montana (UST)	State Program	8	N/A	04-30-20
Oregon	NELAP	10	WA100007	11-06-15
US Fish & Wildlife	Federal		LE058448-0	02-28-16
USDA	Federal		P330-14-00126	04-08-17
Washington	State Program	10	C553	02-17-16

Sample Summary

Client: Blaes Environmental Inc.
Project/Site: Circle K #6042 NACHES, WA

TestAmerica Job ID: 580-52522-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-52522-1	MW-1	Water	08/13/15 19:00	08/14/15 08:15
580-52522-2	MW-2	Water	08/13/15 18:41	08/14/15 08:15
580-52522-3	MW-3	Water	08/13/15 19:39	08/14/15 08:15
580-52522-4	MW-4	Water	08/13/15 19:20	08/14/15 08:15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.testamericainc.com

☒ Rush
☐ Short Hold

Chain of Custody Record

Client	Client Contact	Date	Chain of Custody Number
BLAES ENVIRONMENTAL	DAN BLAES	8/14/15	32738
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
45 E. MONTEREY WAY	602-728-0707		
City / **State** / **Zip Code**	**Sampler**	**Lab Contact**	
PHOENIX / AZ / 85012	D. BLAES		
Project Name and Location (State)	**Billing Contact**		
CREEK #6042 NACHES, WA			
Contract/Purchase Order/Quote No.			
202-6042			

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): NWTPH-GX	8260 FULL LIST VOCs	8011 EDB	NWTPH-DX	Special Instructions/ Conditions of Receipt
MW-1	8/13/15	7:00 pm		X									X	X	X		5-DAY TAT
MW-2	8/13/15	6:41 pm		X									X	X	X		
MW-3	8/13/15	7:39		X									X	X	X	X	
MW-4	8/13/15	7:20		X									X	X	X		
TRIP BLANK				X										X			

580-52522 Chain of Custody

w/o cs #2
Cooler/TB Dig/IR cor 1.0 unc 1.3
Cooler Dsc wet ice/Blue @ Lab
Wet/Packs Packing
Clear at Drop

Cooler/TB Dig/IR cor ___ unc ___
Cooler Dsc ___ @ Lab 3.5
Wet/Packs Packing ___

Cooler	Possible Hazard Identification	Sample Disposal	(A fee may be assessed if samples are retained longer than 1 month)
☒ Yes ☐ No Cooler Temp: ___	☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown	☐ Return To Client ☒ Disposal By Lab ☐ Archive For ___ Months	

Turn Around Time Required (business days)
☐ 24 Hours ☐ 48 Hours ☒ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other ___

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By Sign/Print	8/14/15	8:15	1. Received By Sign/Print Robin Reed	8/14/15	0815
2. Relinquished By Sign/Print			2. Received By Sign/Print		
3. Relinquished By Sign/Print			3. Received By Sign/Print		

Comments

DISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

TAL-8274-580 (0210)

Login Sample Receipt Checklist

Client: Blaes Environmental Inc.

Job Number: 580-52522-1

Login Number: 52522
List Number: 1
Creator: Neri, Tom

List Source: TestAmerica Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	