BB&A ENVIRONMENTAL

EUGENE
32986 Roberts Court, Coburg, OR 97408
P.O. Box 40187, Eugene, OR 97404
(541) 484-9484

PORTLAND
25195 SW Parkway Ave., Suite 207
Wilsonville, OR 97070
(503) 570-9484

June 14, 2012

Guy Barrett, LHG
Southwest Regional Office,
Toxics Cleanup Program
P.O. Box 47775, Olympia, WA 98504-7775

RE: *Underground Storage Tank Decommissioning, Contaminated Soil Excavation, and Confirmation Soil and Groundwater Sampling*

FOR: Former L&C Deli / Vista Mart
Ecology Facility ID's 1035 and 7176
13908 and 13912 NE 20th Avenue; Vancouver, WA 98686

Dear Mr. Barrett:

This letter report documents activities to decommission by removal three (3) underground storage tanks (USTs) at the *subject property*, identified as the former L&C Deli / Vista Mart, located at 13908 and 13912 NE 20th Avenue, in Vancouver, Washington (See **Attachment A** for a Site Location Map and all Site Figures). Additional activities that were conducted at this time included:

- Removal of the canopy, fuel dispensers and fuel island;
- Removal of approximately 220 tons of petroleum-contaminated soil (PCS) and offsite disposal at an authorized landfill;
- Treatment of groundwater within the excavation with activated carbon and petrophyllic bacteria;
- Confirmation sampling and laboratory analysis of soil from the limits of the excavation;
- Confirmation sampling and laboratory analysis of groundwater within the limits of the excavation; and
- Replacement and repair of stormwater piping through the excavation; and
- Backfill and compaction of the excavation.

Each of these activities are discussed in detail in appropriate Sections of this report.

1.0 SITE DESCRIPTION HISTORY

The subject property, identified as the former L&C Deli and Vista Mart, is located at the northwest corner of the intersection of NE 20th Avenue and NE 139th Street near the intersection of Interstate I-5 and Interstate I-205. The subject property formerly contained three (3) 12,000-gallon single-walled steel USTs formerly containing diesel, and premium and regular unleaded gasoline. Product from the USTs were dispensed from two (2) multiple product dispensers located beneath an adjacent canopy to the east of the UST cavity. Notice of temporary closure of the UST system was received by the Washington Department of Ecology (Ecology) in September 25, 2009.

2.0 SITE HISTORY

2.1 Initial Release and Investigations

The following historical information was provided in a March 2010 *Periodic Review* report by the Toxics Cleanup Program of Ecology for the subject property:

> *In September 1987, gasoline product and vapors were discovered in a sanitary sewer line in a location near the L&C Deli Site. In addition, gasoline product was discovered floating on the groundwater in a number of test pits excavated in the vicinity of the subject Site. In November 1987, an extraction well and recovery system were installed by an Ecology contractor at the subject Site to recover the free product gasoline floating on the groundwater.*
>
> *Subsequent integrity testing of the USTs and lines located on the subject property indicated that although the tanks appeared to be sound, the associated lines may have been leaking product. The recovery of gasoline product from the extraction well diminished in late 1988, and in February 1989, Ecology allowed the recovery system to be permanently shut down. A total of 524 gallons of gasoline product was recovered during the operation of the recovery system. On August 10, 1990, the clients received an Order from Ecology requiring that a remedial investigation and feasibility study (RI/FS) be performed to facilitate the remediation of the gasoline product that may have remained adsorbed in the soils and dissolved in the groundwater in the vicinity of the subject Site.*
>
> *Hahn and Associates, Inc. (HAI) performed remedial investigative activities at the subject Site from October 1990 to March 1991 through the installation of 11 soil borings and 7 groundwater monitoring wells. The remedial investigation appeared to define the extent of the impacts to the soil and groundwater on and in the vicinity of the subject Site. A feasibility study of remedial options was also prepared by HAI.*
>
> *In January 1992, WDOE prepared a Cleanup Action Plan (CAP) which summarized the results of the RI/FS and outlined the preferred cleanup alternative. In summary, the preferred cleanup alternative involved: 1) the partial removal of contaminated soils; 2) the surface treatment of the excavated soils by bioremediation; 3) the in-situ degradation of the remaining soil contamination*

by natural processes; and 4) a modified pump and treat method for remediation of the shallow groundwater from the excavation pit.

On March 2, 1992, Ecology issued an Enforcement Order requiring implementation of the preferred cleanup alternative as outlined in the CAP. Also included in the Enforcement Order was a request for additional documents including: 1) an engineering design report; 2) construction plans and specifications; 3) an operation and maintenance plan; 4) a compliance monitoring plan; 5) a sampling and analysis plan; and 6) a health and safety plan.

Contaminated soil removal activities, confirmation soil sampling activities and groundwater removal activities took place in September 1992. Remedial excavation was conducted in areas identified during the RI/FS to contain soil contamination at concentrations exceeding MTCA Method A cleanup levels.

The final depth of the soil excavation ranged from approximately 9 to 11 feet below the ground surface. Groundwater was encountered in the excavation pit at a depth of approximately 8 to 9 feet. The excavation of soil proceeded unencumbered in all directions, except to the east and southeast, where excavation activities were halted so as not to undermine underground utilities in these areas. The confirmation sampling indicated that the contaminated soil was removed both laterally and vertically to below regulatory cleanup levels, with the exception of the east and southeast walls where soil contamination was left in-place at concentrations of 43 to 1,100 parts per million of gasoline-range petroleum hydrocarbons (TPH-G).

Further, Ecology's *Periodic Review* report identified cleanup levels for the site as follows:

Because a no further action determination was issued for the Site prior to 2001, MTCA Method A cleanup levels prior to 2001 will be used to determine whether or not the remedial activities at the Site have been effective in protecting human health and the environment.

2.2 Washington Department of Transportation Investigation and Acquisition

In March 2011, an investigation was conducted at the subject property to determine the magnitude and extent of residual contamination in soil and groundwater beneath the subject property, a portion of which was proposed to be purchased as part of a road-widening project that involves both adjacent right-of-ways to the east (20th Ave.) and south (139th St.). As part of the investigation, ten (10) direct push-probe borings, PP-1 through PP-10 were advanced within the area to be purchased by Washington Department of Transportation (WSDOT), and near all four (4) sides of the UST area. Two push-probe borings (PP-2 and PP-3) were located within the adjacent roadways to the east and south to evaluate possible off-site contaminant migration which may impact future road and utility construction.

Soil Analytical Results

All soil samples were analyzed for gasoline-range Total Petroleum Hydrocarbons per Northwest Method NWTPH-Gx, diesel-range TPH per Northwest Method NWTPH-Dx, and benzene, toluene, ethylbenzene and xylene (BTEX) compounds per EPA Method 8260B. The results of the investigation did **not** detect diesel, gasoline, or BTEX contamination in soil above method-reporting limits (MRLs) from the push-probe borings PP1, PP3, PP4, PP7, PP8, PP9, PP10. The results of the investigation, however, detected elevated levels of gasoline and diesel TPH, and BTEX compounds in soil from boring PP5, located east of the former diesel UST. It is important to note that push-probe boring PP5 is located on the newly acquired WSDOT property. Soil analytical results are summarized in **Table 1**. **Figure 4** identifies the probe locations and soil analytical results from the WSDOT investigation.

Table 1: WSDOT Soil Sample Analytical Results
Former L&C Deli / Vista Mart, 13912 NE 20th Ave., Vancouver, WA

Soil contaminant concentrations in milligrams per kilogram (mg/Kg) or parts per million (ppm).
ND: Not detected above method-reporting limits (MRLs), shown in parentheses.
J: Estimated value below the method-reporting limit (MRL), yet above the Method-Detection Limit (MDL).
Highlighted concentrations exceed MTCA cleanup values.

Soil Sample ID (with indicated depth)	Contaminants-of-Potential-Concern					
	Gasoline-Range TPH	Diesel-Range TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes
PP1 - 6'	ND (<6.63)	**24.4 J**	ND (<0.017)	ND (<0.063)	ND (<0.033)	ND (<0.099)
PP2 - 7.5'	**13.6**	ND (<34.7)	**0.09**	ND (<0.017)	**0.991**	**0.63**
PP3 - 6'	ND (<6.63)	ND (<34.6)	ND (<0.02)	ND (<0.08)	ND (<0.04)	ND (<0.12)
PP4 - 6' (onsite)	ND (<6.63)	ND (<36.2)	ND (<0.02)	ND (<0.09)	ND (<0.045)	ND (<0.13)
PP5 - 7'	**198**	**1,630**	**1.1**	**0.251**	**0.379**	**0.883**
PP6 - 6'	ND (<6.28)	ND (<25)	**0.47**	ND (<0.063)	ND (<0.03)	ND (<0.09)
PP7 - 7'	ND (<6.83)	ND (<29.2)	ND (<0.017)	ND (<0.068)	ND (<0.034)	ND (<0.1)
PP8 - 6.5' (onsite)	ND (<8.65)	ND (<31.9)	ND (<0.02)	ND (<0.086)	ND (<0.043)	ND (<0.13)
PP9 - 9' (onsite)	ND (<8.74)	**18.1 J**	ND (<0.02)	ND (<0.087)	ND (<0.044)	ND (<0.13)
PP10 - 13'	ND (<8.12)	**18.7 J**	ND (<0.02)	ND (<0.08)	ND (<0.04)	ND (<0.12)
1991 MTCA Cleanup Levels	**100**	**200**	**0.50**	40	20	20
2001 MTCA Method A Soil Cleanup Levels for Unrestricted Land Use	**100** no benzene **30** with benzene	2,000	**0.03**	7	6	9

For comparison in **Table 1** are 1991 MTCA Cleanup Levels and 2001 MTCA Method A cleanup levels for unrestricted landuse. Detected concentrations of gasoline-range TPH, diesel-range TPH and benzene in soil from boring PP5 exceed the 1991 MTCA Cleanup levels. Only gasoline-range

TPH and benzene in soil from boring PP5 were detected above 2001 MTCA Method A cleanup levels for unrestricted land use. No other detected contaminants exceeded MTCA Method A cleanup levels for unrestricted land use.

Groundwater Analytical Results

All groundwater samples were analyzed for gasoline-range TPH per Northwest Method NWTPH-Gx, diesel-range TPH per Northwest Method NWTPH-Dx, and BTEX compounds per EPA Method 8260B. The groundwater analytical results are summarized in **Table 2** and on **Figure 5**.

Table 2: WSDOT Groundwater Sample Analytical Results
Former L&C Deli / Vista Mart, 13912 NE 20th Ave., Vancouver, WA

Soil contaminant concentrations in micrograms per Liter (µg/L) or parts per billion (ppb).
Highlighted concentrations exceed MTCA cleanup values.

Soil Sample ID	Contaminants-of-Potential-Concern					
	Gasoline-Range TPH	Diesel-Range TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes
PP1	ND (<100)	ND (<122)	ND (<0.25)	ND (<1.0)	ND (<0.5)	ND (<1.5)
PP2	**2,550**	**522**	**3.58**	**2.53**	**102**	**205**
PP3	ND (<100)	ND (<120)	ND (<0.25)	ND (<1.0)	ND (<0.5)	ND (<1.5)
PP4 (onsite)	ND (<100)	**155**	ND (<0.25)	ND (<1.0)	ND (<0.5)	ND (<1.5)
PP5	**10,900**	**13,900**	**2,030**	**78.8**	**59.8**	**99.6**
PP6	**2,300**	**620**	**724**	**1.25**	**4.07**	ND (<1.5)
PP7	**108**	**250**	**4.04**	ND (<1.0)	ND (<0.5)	ND (<1.5)
PP8 (onsite)	ND (<100)	ND (<134)	ND (<0.25)	ND (<1.0)	ND (<0.5)	ND (<1.5)
PP9 (onsite)	ND (<100)	ND (<130)	ND (<0.25)	ND (<1.0)	ND (<0.5)	ND (<1.5)
PP10	ND (<100)	ND (<134)	ND (<0.25)	ND (<1.0)	ND (<0.5)	ND (<1.5)
1991 MTCA Cleanup Levels	No Value (TPH **1,000**)	No Value (TPH **1,000**)	**5**	**40**	**30**	**20**
2001 MTCA Method A Cleanup Levels for Unrestricted Land Use	**1,000** no benzene **800** with benzene	**500**	**5**	1,000	700	1,000

The results of the investigation did **not** detect diesel, gasoline, or BTEX contamination in groundwater from push-probe borings PP1, PP3, PP4, PP8, PP9, or PP10. The highest detected contaminant concentrations were detected in boring PP5, a short distance east of the UST cavity, and located on the newly acquired WSDOT property. Lesser contaminant concentrations were detected downgradient (east) in groundwater from push-probe boring PP2 a short distance southeast of PP5, and PP6, further east of PP2.

In **Table 2** are 1991 MTCA Cleanup Levels and 2001 MTCA Method A cleanup levels for unrestricted landuse. No contaminants were detected in groundwater from onsite borings. TPH (as gasoline and diesel) and BTEX compounds detected in groundwater from offsite boring PP5 exceed 1991 MTCA Cleanup values. Similarly, TPH (as gasoline), benzene, ethylbenzene and xylenes were detected in groundwater from offsite borings PP2 and PP6 were also detected above the 1991 MTCA Cleanup values.

When compared to the 2001 MTCA Method A Cleanup values, gasoline- and diesel-range TPH and benzene were detected at concentrations in groundwater from offsite borings PP5 and PP6 exceeding the 2001 cleanup values. Similarly, gasoline- and diesel-range TPH were detected in groundwater from boring PP2 at concentrations exceeding the 2001 MTCA Method A cleanup values.

3.0 BB&A UST DECOMMISSIONING AND CLEANUP ACTIVITIES

Prior to performing UST decommissioning activities, all utilities were identified within the work area, and all appropriate forms, permits and authorizations were completed and obtained, including: Ecology 30-day Notice, Clark County Fire Marshall Permit, Waste Management Hillsboro Landfill Disposal Permit #110305OR (for disposal of petroleum-contaminated soil), and Ecology Underground Injection Control (UIC) authorization for backfill with activated carbon and petrophyllic bacteria to treat soil and groundwater in the excavation.

3.1 UST Decommissioning and Removal of Fuel Dispensers and Product Lines

During the week of April 23 to 27, 2012, BB&A decommissioned by removal, three (3) 12,000-gallon USTs, including the southernmost UST, which formerly contained diesel fuel, the central UST formerly containing regular unleaded fuel; and the northern UST formerly containing premium unleaded fuel. On April 23rd, the fuel dispensers were disconnected and removed, and the product lines flushed with water back into the USTs to remove any residual fuel. Any groundwater accumulation within the turbines sumps was pumped into the USTs as well. Additional activities performed on April 23rd included canopy demolition and metal recycling.

On April 24th, the concrete pad and asphalt above the USTs, product lines and fuel dispenser island were removed. Soil above the USTs and product lines was excavated, as was soil alongside the north and south side of the UST cavity. Soil was screened using an organic vapor meter with photoionization detector (OVM-PID). All concrete and clean fill was set aside for reuse as backfill. Any soil with evidence of contamination was set aside for offsite disposal at Waste Management's Hillsboro landfill. The product lines were removed, and the USTs were tilted. Each of the USTs were noted to be eight (8) feet in diameter and 32 feet long. Soil contamination was most noted in the walls of the excavation – especially immediately southeast of the UST cavity (i.e., east of the

diesel UST). Groundwater was noted in the UST cavity at approximately seven (7) to seven and one-half (7.5) feet below land surface (BLS). A sheen was noted on groundwater within the UST cavity.

On April 25th, at the time that the USTs were tilted, only a small amount of residual fuel was noted in each UST. All residual fuel product within the USTs were evacuated by Oil Re-Refining (ORRCO) using their vacuum truck. The USTs were triple rinsed, with the resulting sludge and oil/water mixture evacuated using ORRCO'S vacuum truck. Approximately 242 gallons of fuel product, sludge, and rinse water was removed from the three (3) USTs. A copy of ORRCO's receipt is provided in **Attachment B**.

The USTs were inerted by ventilation using an air compressor and eductor apparatus. Tank atmosphere was measured to determine if the tanks were safe for removal. This determination was made on the basis of field measurements relative to the lower explosive limit (LEL). The USTs were inerted by reducing the LEL within the USTs to levels below five (5) percent LEL. The USTs were not removed until this level was attained. Upon removal, the USTs were transported to Metro Metals for recycling.

Soil contamination was observed in the area immediately southeast of the UST cavity (i.e., east of the diesel UST), and to a lesser extent in the northern, western, and southeastern walls of the UST cavity. On April 26th, contaminated soil in these areas was excavated to a depth of approximately eight (8) feet below land surface (BLS), just below the soil/water interface. The excavation of contaminated soil was extended east of the UST cavity, beneath the former fuel dispenser islands. It is important to note that the excavation extended slightly offsite southeast of the former UST cavity, in the former location of PP5. However, because this portion of the site is owned by WSDOT (as right-of-way), no additional excavation was conducted in this area of residual contamination.

During excavation activities, approximately 242 tons petroleum-contaminated soil (PCS) was excavated for transport to Waste Management's Hillsboro landfill under permit number 110305OR. Also during these activities, the stormwater pipe crossing beneath the fuel dispenser island was removed. Upon completion of the excavation activities, the stormwater pipe was replaced.

3.2 Confirmation Soil Sample Analytical Results

Upon completion of excavation activities, and prior to backfill, confirmation soil samples were collected for laboratory analysis of gasoline-range TPH per Northwest Method NWTPH-Gx, diesel-range TPH per Northwest Method NWTPH-Dx, and several soil samples were additionally analzyed for BTEX compounds per EPA Method 8260B. The analytical results are shown below in **Table 3**. Soil sample locations and analytical results are shown on **Figure 6** (**Attachment A**).

Laboratory analysis of the confirmation soil samples detected diesel-range TPH at 780 ppm in soil sample SE-7', which was collected at the soil/water interface a short distance east of former push-probe boring PP5, the former location of highest detected soil contamination. BTEX and gasoline-range TPH were not detected in soil sample SE-7'. The only other contaminant detected in confirmation soil samples was toluene at the low concentration of 0.022 ppm in soil sample SWDISP-7'. The complete laboratory report is provided in **Attachment C**.

Table 3: BB&A Excavation Confirmation Soil Sample Analytical Results
Former L&C Deli / Vista Mart, 13912 NE 20th Ave., Vancouver, WA

Soil contaminant concentrations in milligrams per kilogram (mg/Kg) or parts per million (ppm).
ND: Not detected above method-reporting limits (MRLs), shown in parentheses.
J: Estimated value below the method-reporting limit (MRL), yet above the Method-Detection Limit (MDL).
Highlighted concentrations exceed MTCA cleanup values.

Soil Sample ID (with indicated depth)	Contaminants-of-Potential-Concern					
	Gasoline-Range TPH	Diesel-Range TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes
S1 - 7.5'	ND (<5.5)	ND (<17)				
SW2 - 7.5'	ND (<5.2)	ND (<17)				
W3 - 7.5'	ND (<5.4)	ND (<17)				
NW4 - 7.5'	ND (<5.4)	ND (<17)				
N5 - 7.5'	ND (<5.3)	ND (<17)				
SWDISP - 7'	ND (<4.8)	ND (<15)	ND (<0.024)	**0.022**	ND (<0.021)	ND (<0.07)
NEDISP - 7'	ND (<4.7)	ND (<15)	ND (<0.023)	ND (<0.018)	ND (<0.021)	ND (<0.069)
SE - 7' (offsite)	ND (<4.2)	**780**	ND (<0.021)	ND (<0.016)	ND (<0.019)	ND (<0.061)
E - 7' (offsite)	ND (<4.4)	ND (<15)	ND (<0.022)	ND (<0.016)	ND (<0.02)	ND (<0.064)
NE - 7'	ND (<4.5)	ND (<15)	ND (<0.022)	ND (<0.017)	ND (<0.022)	ND (<0.066)
NE6 - 7.5'	ND (<4.3)	ND (<14)	ND (<0.021)	ND (<0.016)	ND (<0.019)	ND (<0.063)
1991 MTCA Cleanup Levels	100	**200**	0.50	40	20	20
2001 MTCA Method A Soil Cleanup Levels for Unrestricted Land Use	100 no benzene 30 with benzene	2,000	0.03	7	6	9

For comparison in **Table 3** are the 1991 MTCA Cleanup Levels and 2001 MTCA Method A Cleanup Levels for unrestricted landuse. The detected diesel concentration of 780 ppm in soil sample SE-7' exceeds the 1991 MTCA Cleanup level at 200 ppm, but not the 2001 MTCA Method A cleanup level (for unrestricted land use) at 2,000 ppm. No other contaminants were detected at concentrations exceeding either of the 1991 or 2001 MTCA cleanup levels.

3.3 Soil and Groundwater Treatment with Activated Carbon and Petrophyllic Bacteria

Upon completion of excavation activities, and prior to backfill, groundwater within the UST cavity, and soil along the walls of the excavation were treated using petrophyllic bacteria and BOS-200®[1], an activated carbon product with nutrients. The activated carbon chemically binds with petroleum contaminants in soil and groundwater, and the nutrients and petrophyllic microbes promote biological degradation of the contaminants. This product is relatively new, yet has been shown to be very effective at binding available petroleum contamination including dissolved and free-floating petroleum in groundwater. The BOS-200® activated carbon has an adsorption capacity of approximately 70 grams dissolved hydrocarbon per one (1) pound of carbon. The bacteria mixture injected with the carbon consumes the hydrocarbon bound to carbon, and the bacteria essentially reactivates the carbon so that it can absorb further contaminant. This cycle will continue until "source food" (i.e., all petroleum hydrocarbons) are been removed. As a result, the activated carbon creates a "biobarrier" through which groundwater can flow, removing free-phase and dissolved phase petroleum contamination, and preventing contaminated groundwater from migrating beyond the "biobarrier." One significant advantage over other alternatives is that the carbon binds the hydrocarbons immediately upon contact allowing almost immediate contaminant reduction. Ms. Mary Shaleen Hansen of the UIC Program authorized the use of BOS-200® activated carbon and petrophyllic bacteria in the excavation without any UIC registration.

On April 27th, the BOS-200® and bacteria was mixed and applied to the excavation in batches. In each batch, 50 pounds of BOS-200® powder was mixed with 50 gallons of water in a drum, along with approximately 16 ounces of petrophyllic bacteria. A pump was used to apply the carbon, water and bacteria mixture to the walls of the excavation, and all areas of the excavation with groundwater accumulation to treat the sheen on water and any dissolved-phase contamination.

3.4 Excavation Backfill

Upon completion of all excavation activities, confirmation soil sampling, and treatment using BOS-200® and bacteria, the excavation was backfilled by first placing the broken concrete pad at the bottom of the excavation, on top of which, clean overburden and imported gravel fill material was placed. The backfill material was compacted in lifts to rough grade to allow for paving by others.

3.5 UST Decommissioning Forms and Checklists

Included in Attachment D are all appropriate UST decommissioning checklists and forms.

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[1] BOS-200® is a product produced by Remediation Products Inc. Information regarding this product can be found at: http://www.trapandtreat.com/products/bos-200/

3.6 Groundwater Confirmation Sample Analytical Results

3.6.1 Methodology

On May 8th, 10 days after soil and groundwater treatment using BOS-200® and bacteria, and backfilling of the excavation, two (2) borings were advanced within the excavation boundary. Push-probe boring P11 was advanced a short distance east of the southwest dispenser island. Push-probe boring P12 was placed in the northwest quarter of the excavation. **Figure 7** shows the push-probe boring locations.

The temporary push-probe borings were advanced using a GeoProbe® 6600 truck and tooling equipment. Both push-probe borings were advanced to an approximate depth of 10 feet BLS. The core barrels are constructed of stainless steel. Additional core barrels were added as the probe was advanced. No soil was collected from either boring. Upon completion of the soil borings, temporary well casings (made of schedule 40 PVC) were placed within the borings. The bottom five (5) feet of each temporary well casing was slotted and positioned to intercept the upper portion of the groundwater table. Prior to collecting groundwater samples, approximately three (3) gallons of groundwater was purged from the push probes using a low-flow peristaltic pump and dedicated polyethylene tubing to remove drilling-derived sediments and to draw representative groundwater into the well.

Following purging, a groundwater sample was collected using clean, dedicated polyethylene tubing connected to a peristaltic pump set at its lowest setting (0.1 to 0.3 liters per minute). The flow rate was minimized to reduce off gassing of volatile contaminants. Samples were transferred into laboratory-supplied containers with appropriate preservative, uniquely labeled, documented on a chain-of-custody record, placed in a cooler on synthetic ice, and delivered to Test America Analytical Laboratory in Beaverton, Oregon. Both groundwater samples were analyzed for gasoline-range TPH per Northwest Method NWTPH-Gx, diesel-range TPH per Northwest Method NWTPH-Dx, and BTEX compounds per EPA Method 8260B. The groundwater sample from boring P12 was additionally analyzed for polynuclear aromatic hydrocarbons (PAHs) per EPA Method 8270SIM.

Upon completion of groundwater sampling, the temporary well casings were removed, and the borings backfilled with bentonite to seal the borehole. Each temporary boring was registered with the Washington Department of Ecology.

3.6.2 Groundwater Analytical Results

The groundwater analytical results are summarized on **Table 4**, and **Figure 7** (**Attachment A**). In groundwater from boring P11, diesel-range TPH was detected at the method-reporting limit of 80 ppb. Gasoline-range TPH and BTEX compounds were not detected in this sample.

Table 4: Groundwater Analytical Results, May 8, 2012

UNITS: Groundwater Concentrations in micrograms per liter (µg/L), or parts per billion (ppb).
ND: Not Detected above laboratory method-reporting limits (MRLs).
J: Contaminant concentration estimated below the method-reporting limit (MRL), yet above the method-detection limit (MDL).
**Model Toxics Control Act (MTCA) Cleanup Levels: Method A for Unrestricted Land Use; Risk-Based Method B is provided where MTCA Method A is not available.

CONTAMINANTS OF CONCERN	Push-Probe Boring Locations		MTCA Methods**	
	P11	P12	1991 MTCA	2001 MTCA
Gasoline-Range TPH	ND (<80)	**87**	1,000 (TPH)	800 (benzene present)
Diesel-Range TPH	**80**	**510**	1,000 (TPH)	**500**[A]
Heavy Oil-Range TPH	ND (<470)	**50 J**	1,000 (TPH)	500[A]
Benzene	ND (<1.0)	**0.63 J**	5	5[A]
Toluene	ND (<1.0)	**0.33 J**	40	1,000[A]
Ethylbenzene	ND (<1.0)	**0.2 J**	30	700[A]
Xylenes	ND (<3.0)	**1.9 J**	20	1,000[A]
Acenaphthene		**0.053 J**	0.2 (MCL)	960[B]
Acenaphthylene		ND (<0.095)	0.2 (MCL)	No MTCA Value
Anthracene		ND (<0.095)	0.2 (MCL)	4,800[B]
Benzo(a)anthracene		ND (<0.095)	0.2 (MCL)	0.120[B]
Benzo(a)pyrene		ND (<0.095)	0.2 (MCL)	0.1[A]
Benzo(b)fluoranthene		ND (<0.095)	0.2 (MCL)	0.12[B]
Benzo(ghi)perylene		ND (<0.095)	0.2 (MCL)	No MTCA Value
Benzo(k)fluoranthene		ND (<0.095)	0.2 (MCL)	1.2[B]
Chrysene		ND (<0.095)	0.2 (MCL)	1.2[B]
Dibenzo(a,h)anthracene		ND (<0.095)	0.2 (MCL)	0.012[B]
Fluoranthene		ND (<0.095)	0.2 (MCL)	640[B]
Fluorene		**0.18**	0.2 (MCL)	640[B]
Indeno(1,2,3-cd)pyrene		ND (<0.095)	0.2 (MCL)	0.12[B]
1-Methylnaphthalene		ND (<0.095)	0.2 (MCL)	1.5[B]
2-Methylnaphthalene		ND (<0.095)	0.2 (MCL)	32[B]
Naphthalene		**0.15**	0.2 (MCL)	160[A]
Phenanthrene		**0.16**	0.2 (MCL)	No MTCA Value
Pyrene		ND (<0.095)	0.2 (MCL)	480[B]

In the groundwater sample from boring P12, gasoline-range TPH was detected at 87 ppb, diesel-range TPH was detected at 510 ppb, and heavy oil TPH and BTEX compounds were all estimated below the method-reporting limit (MRL), yet above the method-detection limit (MDL). Due to the detected diesel TPH in groundwater from boring P12, this sample was additionally analyzed for PAHs; although the hold time for this analysis was exceeded. Acenaphthene, fluorene, naphthalene and phenanthrene were all detected at concentration less than 0.2 ppb.

In **Table 4** are 1991 MTCA Cleanup Levels and 2001 MTCA Method A cleanup levels for unrestricted landuse. No contaminants were detected in groundwater from borings P11 and P12 at concentrations exceeding 1991 MTCA Cleanup values. Further, the only contaminant exceeding 2001 MTCA Method A Cleanup values was diesel-range TPH in boring P12 at 510 ppb, slightly above the 2001 MTCA Method A cleanup value of 500 ppb. The detected diesel-range TPH concentration in groundwater from boring P12 exceeds the 2001 MTCA Method A cleanup value by two (2) percent. Turbidity and bio-interference could potentially account for some portion of the detected diesel-range TPH.

4.0 COMPLIANCE OF MONITORING WELLS MW3 AND MW5A

Enforcement Order #DE 92TC-S112 required three (3) quarterly groundwater sampling events from monitoring well MW3 and replacement monitoring well MW5A, with laboratory analysis for gasoline-range TPH and BTEX compounds. Three (3) quarterly groundwater monitoring events have been completed at monitoring well MW3 and replacement monitoring well MW5A. Gasoline-range TPH and BTEX compounds were not detected in groundwater from either monitoring well during any of the three (3) groundwater monitoring events. As such, groundwater from monitoring wells MW3 and MW5A meets MTCA Method A cleanup levels for unrestricted land use. Upon approval from Mr. Guy Barrett, monitoring well MW3 was decommissioned during redevelopment of the intersection of 20th Avenue and 139th Street. On May 8th, 2012, monitoring well MW5A was decommissioned, and the sidewalk repaired to meet surrounding sidewalk slope, elevation, and texture.

5.0 SUMMARY OF RESIDUAL SOIL AND GROUNDWATER CONTAMINATION

The results of the WSDOT investigation did not detect any contamination in soil or groundwater from onsite borings at concentrations exceeding the 1991 MTCA Cleanup values or the 2001 MTCA Method A Cleanup values. Similarly, confirmation soil sampling conducted by BB&A after UST decommissioning and PCS excavation activities, did not detect any contamination in soil at concentrations exceeding the 1991 MTCA Cleanup values or the 2001 MTCA Method A Cleanup values. Confirmation groundwater sampling conducted by BB&A did not detect any contaminants in groundwater form borings P11 and P12 exceeding 1991 MTCA Cleanup values, and only diesel-

range TPH was detected in groundwater from boring P12 at a concentration (two [2] percent) above the 2001 MTCA Method A Cleanup values.

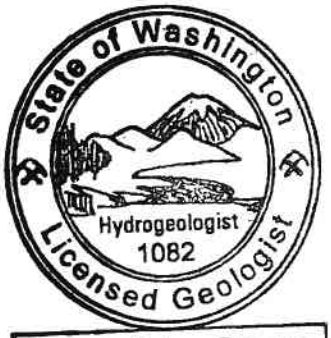
Lastly, three (3) quarterly groundwater monitoring events were completed at monitoring well MW3 and replacement monitoring well MW5A, the results of which did not detect any gasoline-range TPH or BTEX compounds in groundwater from either monitoring well. As such, groundwater from monitoring wells MW3 and MW5A meets MTCA Method A cleanup levels for unrestricted land use.

Based on these findings, BB&A requests that a no further action (NFA) determination be issued for the former L&C Deli / Vista Mart site, without any further periodic review.

Should you have any questions regarding this update letter, please do not hesitate to contact us.

Sincerely,
BB&A Environmental

Stephen Omo, RG
Project Manager
Wa Site Assessor #CE142160



Randall J. Boese, RG
President / Principal

Attachment A:	Figures
Attachment B:	Disposal Receipts
Attachment C:	Laboratory Reports and Chain of Custody Documents
Attachment D:	UST Decommissioning Checklists and Forms

cc: Don Holsinger, The 205 Group, 2151 NW 21st Place, Ridgefield, WA 98642

ATTACHMENT A

Figures

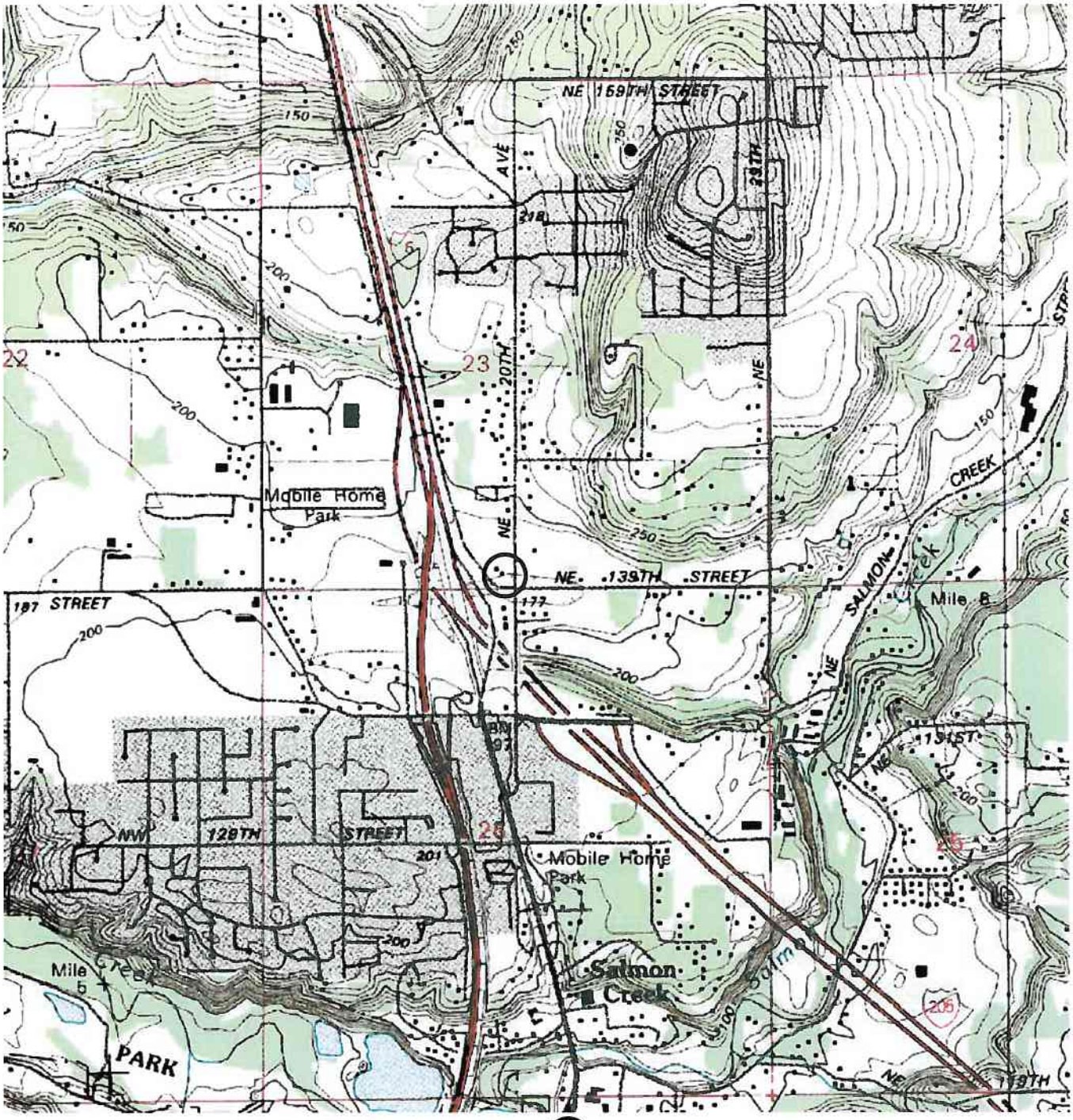


FIGURE 1

OREGON

SOURCE: USGS TOPOGRAPHIC QUADRANGLE
SERIES: 7.5 MINUTES, SALMON CREEK, OR

FORMER L & C DELI/VISTA MART, 13908 NE 20th Avenue, Vancouver, WA

SITE VICINITY MAP

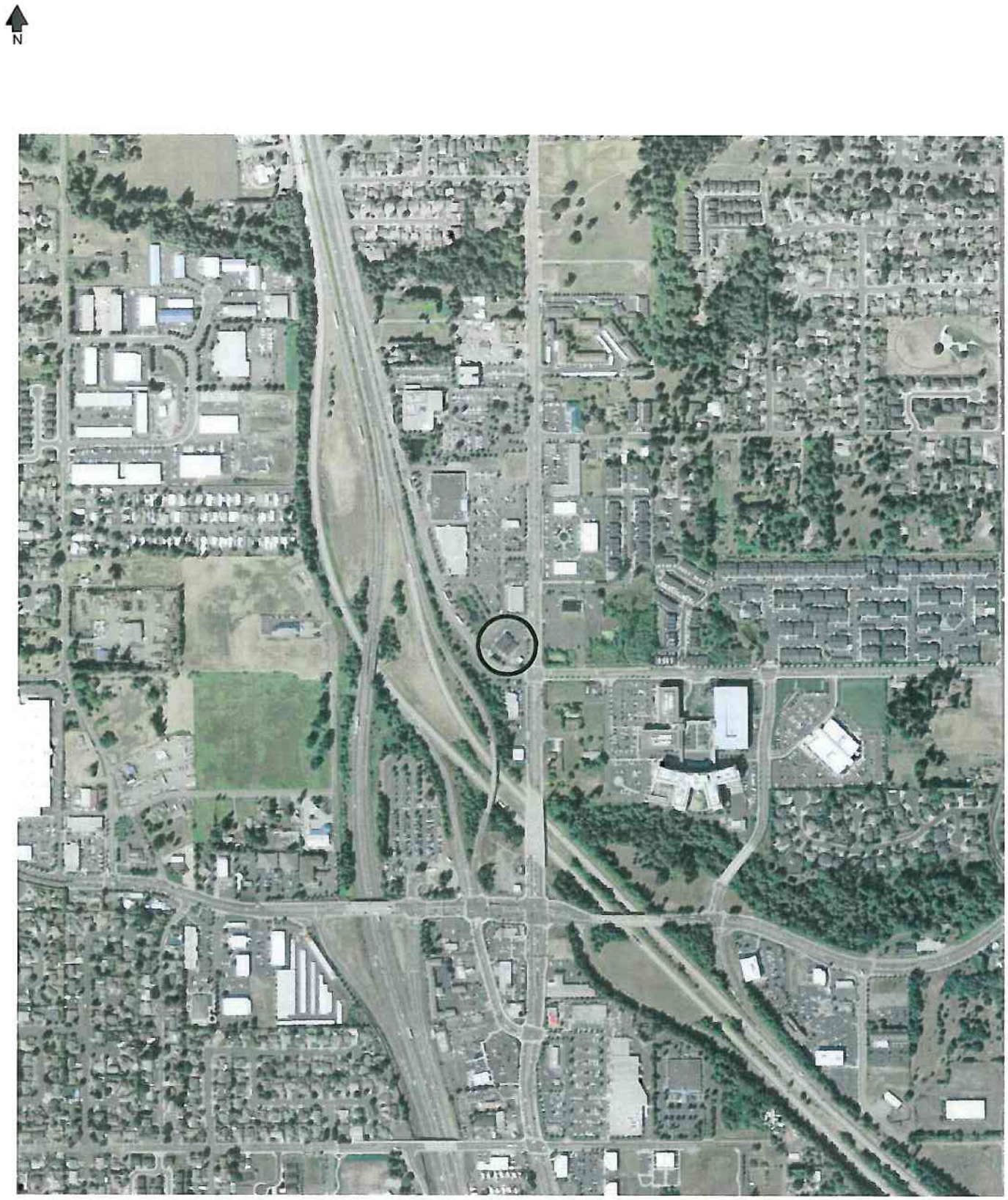
BB&A ENVIRONMENTAL

EUGENE OFFICE
32986 Roberts Ct.
Coburg, OR
ph: 541.484.9484

PORTLAND OFFICE
25195 SW Parkway Ave., #207
Wilsonville, OR
ph: 503.570.9484

www.BBAENV.COM

Job Code:	VOC02ISC.11UC
CADD File:	VOC02ISC.11UC
Scale:	AS SHOWN
Drawn:	KATHRYN DAVIS DESIGNS
Checked:	STEVE OMO
Date:	02/10/11



SITE LOCATION

BB&A ENVIRONMENTAL

EUGENE OFFICE
32986 Roberts Ct.
Coburg, OR
ph: 541.484.9484

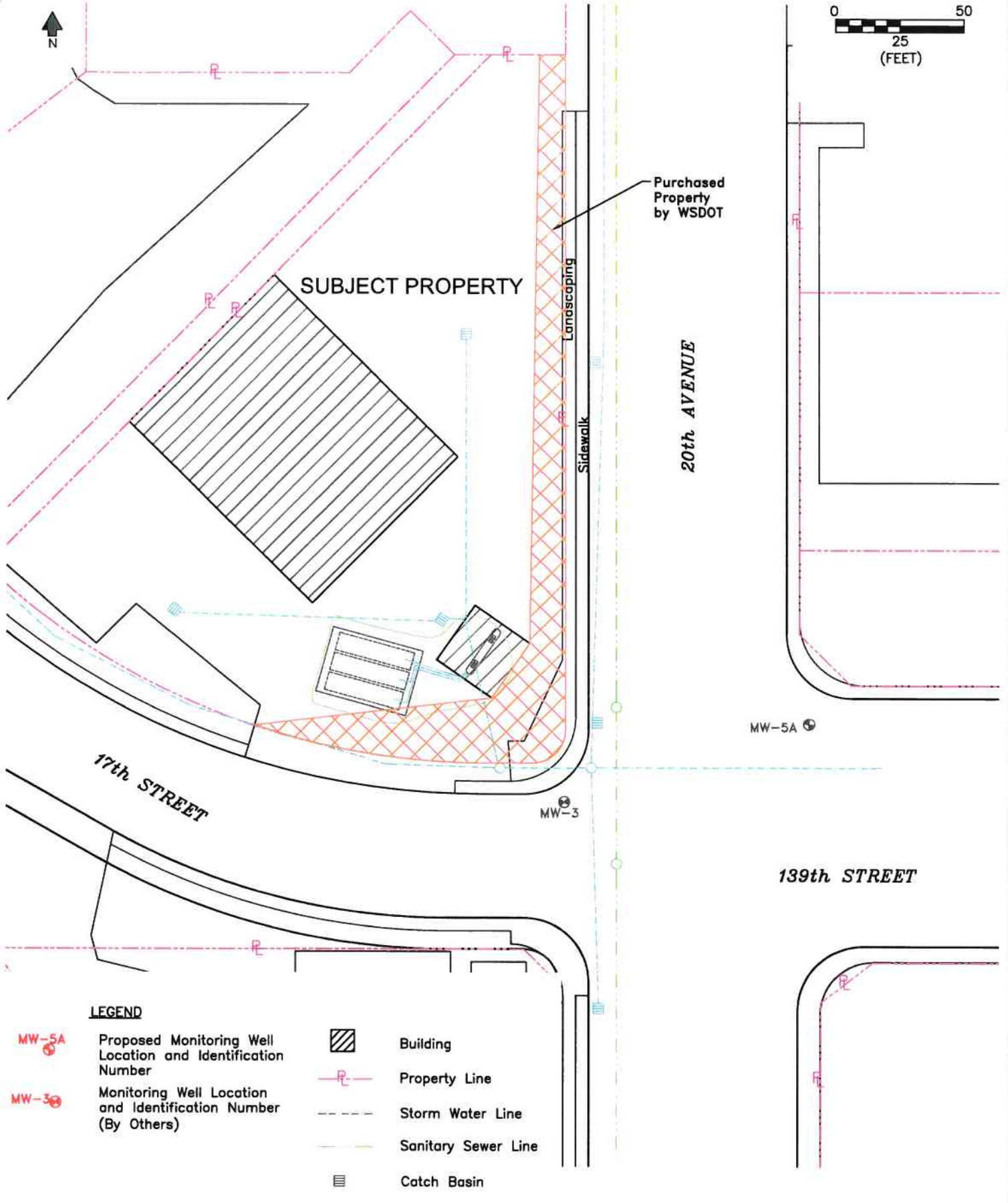
PORTLAND OFFICE
25195 SW Parkway Ave.,#207
Wilsonville, OR
ph: 503.570.9484

www.BBAENV.COM

COMMERCIAL PROPERTY
AERIAL
13908 NE 20th AVENUE, VANCOUVER, WA

PROJECT CODE:	DATE:	SCALE:	DRAWN:	CHECKED:
VOC01ISC.11UC	02/10/11	AS SHOWN	K.D.DESIGNS	STEVE OMO

FIGURE #: 2



BB&A ENVIRONMENTAL

EUGENE OFFICE
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Coburg, OR
ph: 541.484.9484

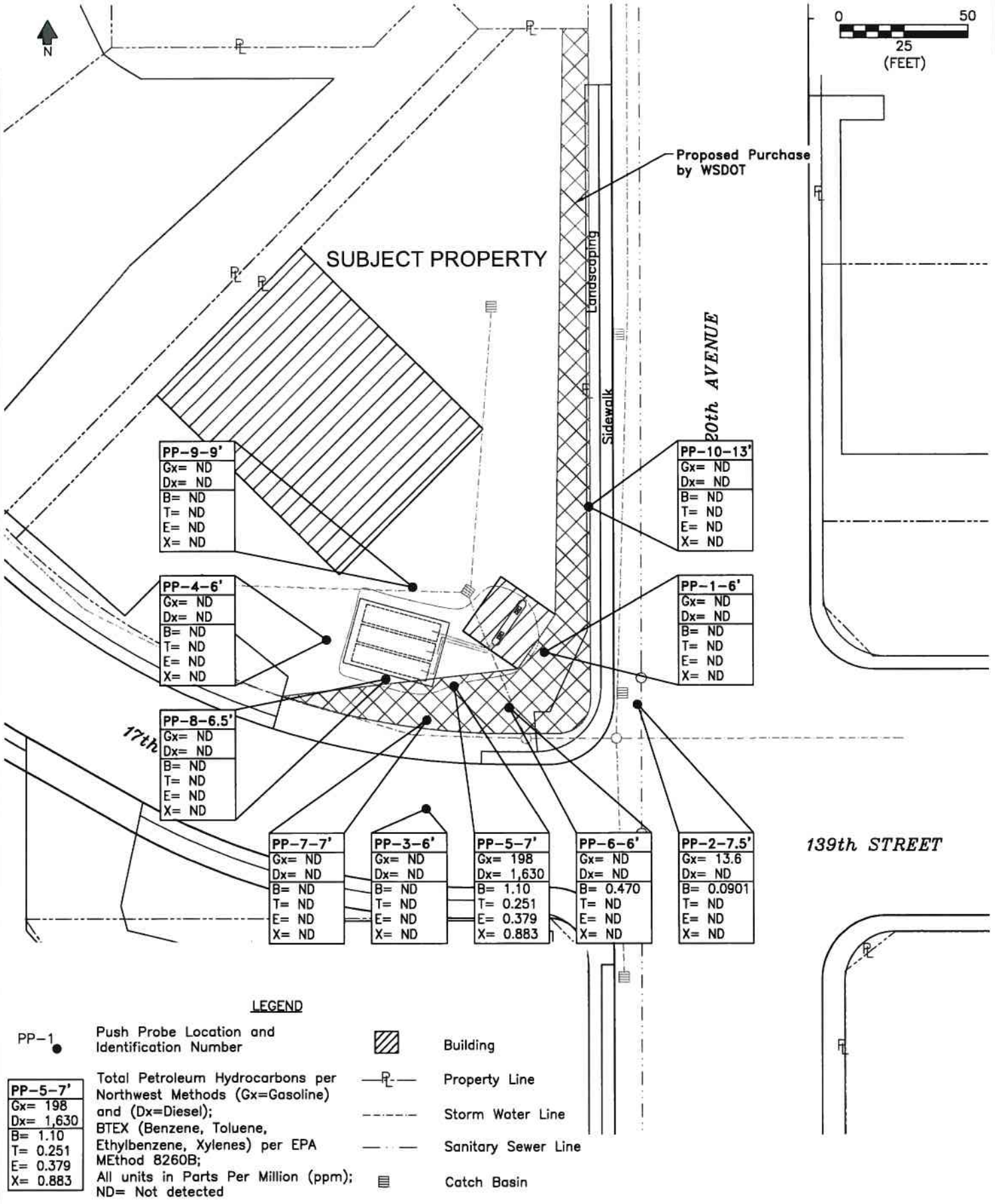
PORTLAND OFFICE
25195 SW Parkway Ave.,#207
Wilsonville, OR
ph: 503.570.9484

www.BBAENV.COM

FORMER L & C DELI/VISTA MART
SITE PLAN
13908 NE 20th AVENUE, VANCOUVER, WA

FIGURE #: 3

PROJECT CODE:	DATE:	SCALE:	DRAWN:	CHECKED:
VOC02ISC.11UC	07/14/11	1"=50'	K.D.DESIGNS	STEVE OMO



LEGEND

PP-1 — Push Probe Location and Identification Number

PP-5-7' (Gx= 198, Dx= 1,630, B= 1.10, T= 0.251, E= 0.379, X= 0.883) — Total Petroleum Hydrocarbons per Northwest Methods (Gx=Gasoline) and (Dx=Diesel); BTEX (Benzene, Toluene, Ethylbenzene, Xylenes) per EPA MEthod 8260B; All units in Parts Per Million (ppm); ND= Not detected

Building

Property Line

Storm Water Line

Sanitary Sewer Line

Catch Basin

BB&A ENVIRONMENTAL

EUGENE OFFICE
32986 Roberts Ct.
Coburg, OR
ph: 541.484.9484

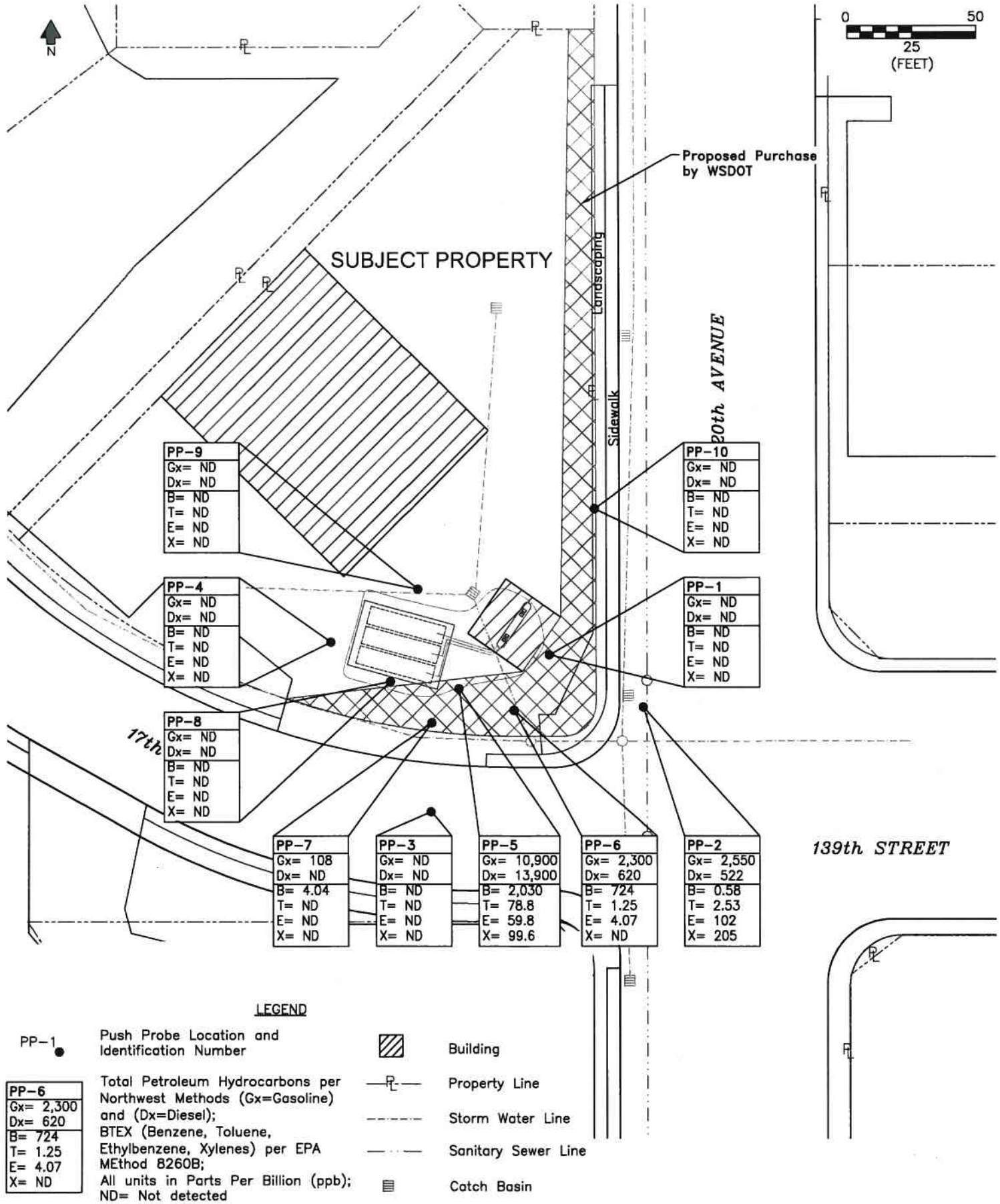
PORTLAND OFFICE
25195 SW Parkway Ave., #207
Wilsonville, OR
ph: 503.570.9484

www.BBAENV.COM

FORMER L & C DELI/VISTA MART
WSDOT INVESTIGATION – SOIL ANALYTICAL DATA
13908 NE 20th AVENUE, VANCOUVER, WA

FIGURE #: 4

PROJECT CODE:	DATE:	SCALE:	DRAWN:	CHECKED:
VOC02ISC.11UC	06/11/12	1"=50'	K.D.DESIGNS	STEVE OMO



BB&A ENVIRONMENTAL

EUGENE OFFICE
32986 Roberts Ct.
Coburg, OR
ph: 541.484.9484

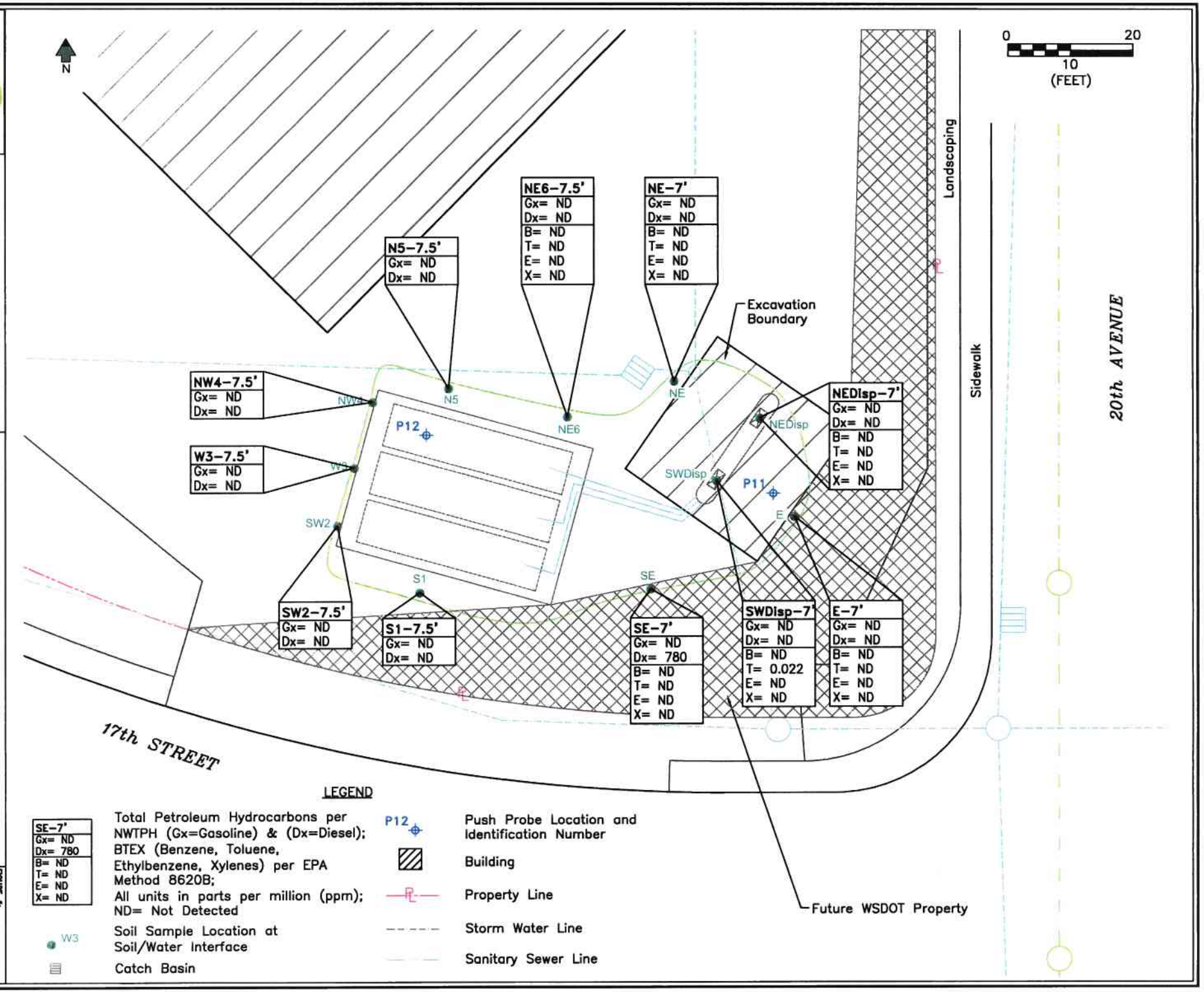
PORTLAND OFFICE
25195 SW Parkway Ave., #207
Wilsonville, OR
ph: 503.570.9484

www.BBAENV.COM

FORMER L & C DELI/VISTA MART
WSDOT INVESTIGATION – GROUNDWATER ANALYTICAL DATA
13908 NE 20th AVENUE, VANCOUVER, WA

FIGURE #: 5

PROJECT CODE:	DATE:	SCALE:	DRAWN:	CHECKED:
VOC02ISC.11UC	06/11/12	1"=50'	K.D.DESIGNS	STEVE OMO



BB&A ENVIRONMENTAL

EUGENE OFFICE
32986 Roberts Ct.
Coburg, OR
ph: 541.484.9484

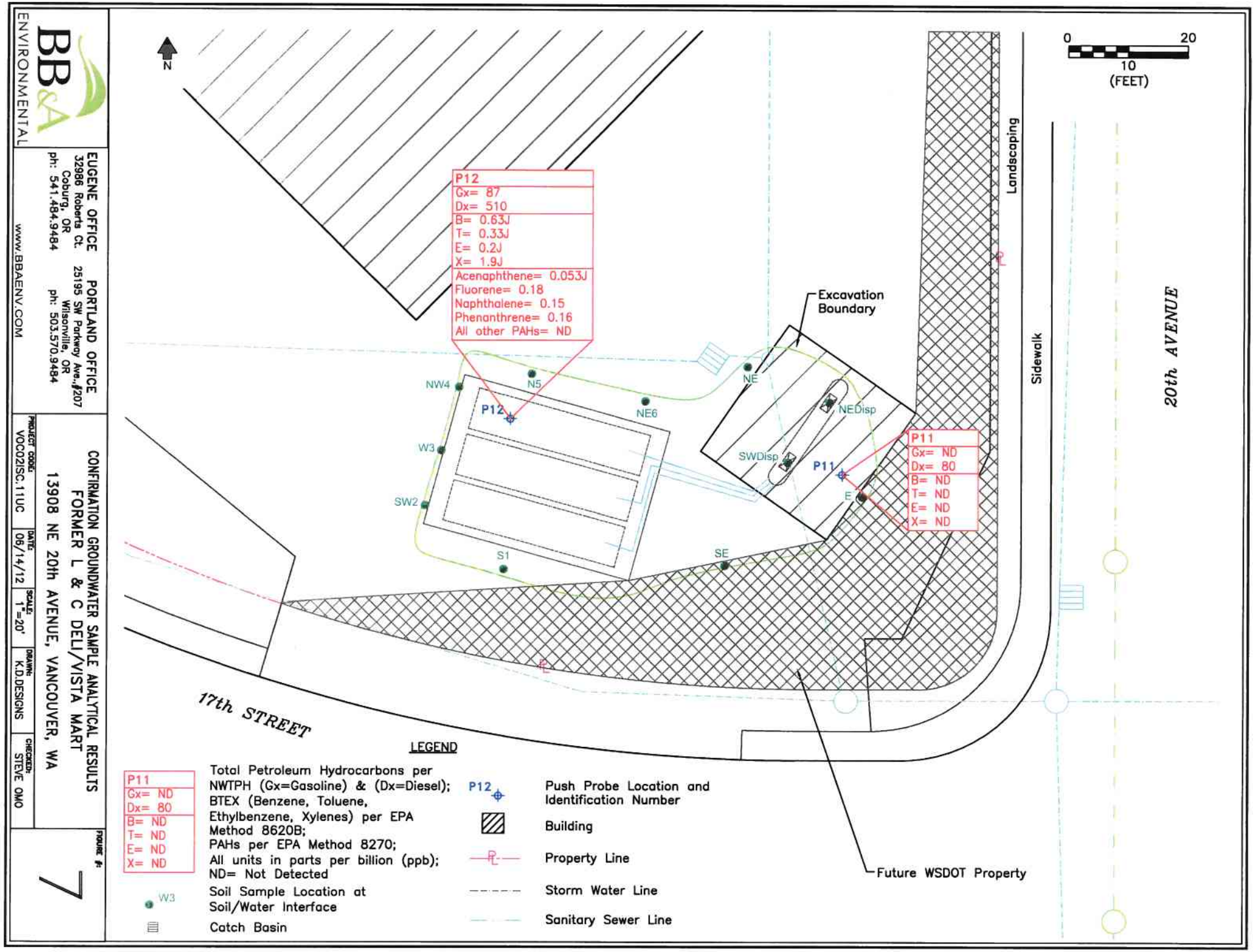
PORTLAND OFFICE
25195 SW Parkway Ave., #207
Wilsonville, OR
ph: 503.570.9484

www.BBAENV.COM

CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS
FORMER L & C DELI/VISTA MART
13908 NE 20th AVENUE, VANCOUVER, WA

PROJECT CODE:	DATE:	SCALE:	DRAWN:	CHECKED:
VOCO2ISC.11UC	06/12/12	1"=20'	K.D.DESIGNS	STEVE OMO

FIGURE #:
6



BB&A ENVIRONMENTAL

EUGENE OFFICE
32986 Roberts Ct.
Coburg, OR
ph: 541.484.9484

PORTLAND OFFICE
25195 SW Parkway Ave., #207
Wilsonville, OR
ph: 503.570.9484

www.BBAENV.COM

CONFIRMATION GROUNDWATER SAMPLE ANALYTICAL RESULTS
FORMER L & C DELI/VISTA MART
13908 NE 20th AVENUE, VANCOUVER, WA

PROJECT CODE: VOC021SC.11UC
DATE: 06/14/12
SCALE: 1"=20'
DRAWN: K.D.DESIGNS
CHECKED: STEVE OMO

FIGURE #: 7

ATTACHMENT B

Disposal Receipts

-8352
-367-8894
ORD980975692

ORRCO Oil Re-Refining Company®

Kennewick, WA: EPA# WAH000011577
Medford, OR: EPA# ORD987197092
North Bend, OR: EPA# ORD980978266
Salt Lake City, UT: EPA# UTD982589459
Spokane, WA: EPA# WAH000011585

Date: 4-25-12 | Customer ID Number:

Dispatch #: 26401

Generator

GROUP 205 — STEVE 5035720082
Name — Contact Person — Phone
13908 NE 20TH AVE VANCOUVER, WA 98686
Address — City — State — Zip — County

Billing Address

Transportation

Consigned To: OIL REREFINING
Destination: 4150 N SUTTLE RD PORTLAND OR 97217
Via Carrier: ORRCO
Driver: DANNY W Truck # 4102 Miles Run:

Check# PO#
Profile Date: 4-25-12
Load Ticket #

Gal./Brl.	Description	Sniffer P / F	CDT / HCDT	pH	Flash Point	Rate per Gal./Brl.	Rate per Hour	Charge
242	SPENT FUEL & WATER		@PPM			.45		108.90
1	HYDROCLOR-Q TEST KIT					30.00		30.00
2.5 Hrs	TRUCK & DRIVER					95.00		237.50

VOC @ 2 DEC .12 LEC

Above material being transported for Recycling | EPA# NON | Total: 376.40

Customer warrants that the waste petroleum products being transferred by the above collector do not contain any contaminants including, without limitation, pesticides, chlorinated solvents at concentrations greater than 1000 PPM, PCBs at concentrations greater than 2 PPM (or 50 PPM with Analytical), or any other material classified as hazardous waste by 40 CFR part 261, Subparts C and D (implementing the federal Resource Conservation and Recovery Act), or by any equivalent state hazardous substance classification program. Should Laboratory tests find this waste not in compliance with 40 CFR Part 261, customer (generator) agrees to pay for all disposal costs incurred.

SIGNED X [signature] DATE: 4-25-12

WASTE MANAGEMENT

Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-640-9427

Original
Ticket# 1287542

Customer Name BERGESONBOES BB & A ENVIRONME
Ticket Date 04/25/2012
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest na
Destination
PO VOC02DEC.12UC
Profile 1103050R (PCS)
Generator OR-205 GROUP 205 GROUP

Carrier KEN MARTIN
Vehicle# 25
Container
Driver roger
Check#
Billing # 0000429
Gen EPA ID N/A

Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/25/2012 16:21:20	Outbound	wef		Gross	127320 lb*
Out	04/25/2012 16:21:30	Outbound	wef		Tare	43220 lb
			* Manual Weight		Net	84100 lb
					Tons	42.05

Comments

Consumer Comments? We want to know. Please call.

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC- 100		42.05	Tons	23.24		$977.24	CLARK
2	13% FEA-13% FEA FE 100			%	13.00		$127.04	CLARK

Roger Mont

Total Tax
Total Ticket $1104.28

Driver's Signature

403WM

WASTE MANAGEMENT

Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-640-9427

Original
Ticket# 1287632

Customer Name BERGESONBOES BB & A ENVIRONME
Ticket Date 04/26/2012
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest na
Destination
PO VOC02DEC.12UC
Profile 1103050R (PCS)
Generator OR-205 GROUP 205 GROUP

Carrier KEN MARTIN
Vehicle# 25
Container
Driver roger
Check#
Billing # 0000429
Gen EPA ID N/A
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/26/2012 15:55:02	Inbound_1	ajm		Gross	100200 lb*
Out	04/26/2012 15:55:02		ajm		Tare	43220 lb*
			* Manual Weight		Net	56980 lb
					Tons	28.49

Comments

Consumer Comments? We want to know. Please call.
WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	28.49	Tons	23.24		$662.11	CLARK
2	13% FEA-13% FEA FE	100		%	13.00		$86.07	CLARK

Total Tax
Total Ticket $748.18

River's Signature

403WM

WASTE MANAGEMENT

Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-640-9427

Original
Ticket# 1287584

Customer Name BERGESONBOES BB & A ENVIRONME
Ticket Date 04/26/2012
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest na
Destination
PO VOC02DEC.12UC
Profile 1103050R (PCS)
Generator OR-205 GROUP 205 GROUP

Carrier KEN MARTIN
Vehicle# 25
Container
Driver roger
Check#
Billing # 0000429
Gen EPA ID N/A
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/26/2012 10:03:00	Inbound 2	ajm		Gross	114900 lb*
Out	04/26/2012 10:03:00		ajm		Tare	43220 lb*
			* Manual Weight		Net	71680 lb
					Tons	35.84

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
Cont Soil Pet-RGC-	100	35.84	Tons	23.24		$832.92	CLARK
13% FEA-13% FEA FE	100		%	13.00		$108.28	CLARK

Total Tax
Total Ticket $941.20

Driver's Signature

403WM

WASTE MANAGEMENT

Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-640-9427

Original
Ticket# 1287612

Customer Name BERGESONBOES BB & A ENVIRONME
Ticket Date 04/26/2012
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest na
Destination
PO VOC02DEC.12UC
Profile 1103050R (PCS)
Generator OR-205 GROUP 205 GROUP

Carrier KEN MARTIN
Vehicle# 25
Container
Driver roger
Check#
Billing # 0000429
Gen EPA ID N/A

Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/26/2012 13:16:42	Inbound_1	ajm		Gross	107860 lb*
Out	04/26/2012 13:16:42		ajm		Tare	43220 lb*
			* Manual Weight		Net	64640 lb
					Tons	32.32

Comments

Consumer Comments? We want to know. Please call.
WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	32.32	Tons	23.24		$751.12	CLARK
2	13% FEA-13% FEA FE	100		%	13.00		$97.65	CLARK

Total Tax
Total Ticket $848.77

Driver's Signature

WASTE MANAGEMENT

Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-640-9427

Original
Ticket# 1887635

Customer Name BERGESONBOES BB & A ENVIRONME
Ticket Date 04/26/2012
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest na
Destination
PO VOC02DEC.12UC
Profile 1103050R (PCS)
Generator OR-205 GROUP 205 GROUP

Carrier KEN MARTIN
Vehicle# 24
Container
Driver jerry
Check#
Billing # 0000429
Gen EPA ID N/A

Volume

Grid

	Time	Scale	Operator	Inbound		
In	04/26/2012 16:08:19	Inbound_1	ajm		Gross	61560 lb*
Out	04/26/2012 16:08:19		ajm		Tare	39060 lb*
			* Manual Weight		Net	22500 lb
					Tons	11.25

Comments

Consumer Comments? We want to know. Please call

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC--	100	11.25	Tons	23.24		$261.45	CLARK
2	13% FEA-13% FEA FE	100		%	13.00		$33.99	CLARK

Total Tax
Total Ticket $295.44

river's Signature

403WM

WASTE MANAGEMENT

Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-640-9427

Original
Ticket# 1287615

Customer Name BERGESONBOES BR & A ENVIRONME
Ticket Date 04/26/2012
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest na
Destination
PO VOC02DEC.12UC
Profile 110305DR (PCS)
Generator OR-205 GROUP 205 GROUP

Carrier KEN MARTIN
Vehicle# 24
Container
Driver jerry
Check#
Billing # 0000429
Gen EPA ID N/A

Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/26/2012 13:27:51	Inbound_1	jdb		Gross	95340 lb*
Out	04/26/2012 13:27:51		jdb		Tare	39060 lb*
			* Manual Weight		Net	56280 lb
					Tons	28.14

Comments

Consumer Comments? We want to know. Please call.

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	28.14	Tons	23.24		$653.97	CLARK
2	13% FEA-13% FEA FE	100		%	13.00		$85.02	CLARK

Total Tax
Total Ticket $738.99

Driver's Signature

403WM

WASTE MANAGEMENT

Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-640-9427

Original
Ticket# 1297589

Customer Name BERGESONBOES BB & A ENVIRONME
Ticket Date 04/26/2012
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest na
Destination
PO VOC02DEC.12UC
Profile 1103050R (PCS)
Generator OR-205 GROUP 205 GROUP

Carrier KEN MARTIN
Vehicle# 24
Container
Driver jerry
Check#
Billing # 00000429
Gen EPA ID N/A

Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/26/2012 10:29:08	Inbound_1	wef		Gross	99980 lbs
Out	04/26/2012 10:29:08		wef		Tare	39060 lbs
			Manual Weight		Net	60920 lb
					Tons	30.46

Comments

Consumer Comments? We want to know. Please call.

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	30.46	Tons	23.24		$707.89	CLARK
2	13% FEA-13% FEA FE	100	-	%	13.00		$92.03	CLARK

Total Tax
Total Ticket $799.92

Driver's Signature

WASTE MANAGEMENT

Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-640-9427

Original
Ticket# 1297543

Customer Name BERGESONBOES BB & A ENVIRONME
Ticket Date 04/25/2012
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest na
Destination
PO VOC02DEC.12UC
Profile 1103050R (PCS)
Generator OR-205 GROUP 205 GROUP

Carrier KEN MARTIN
Vehicle# 24
Container
Driver jerry
Check#
Billing # 0000429
Gen EPA ID N/A
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/25/2012 16:22:07	Outbound	wef		Gross	107400 lb*
Out	04/25/2012 16:27:28	Outbound	wef		Tare	39060 lb
			* Manual Weight		Net	68340 lb
					Tons	34.17

Comments

Consumer Comments? We want to know. Please call.

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	34.17	Tons	23.24		$794.11	CLARK
2	13% FEA-13% FEA FE	100		%	13.00		$103.23	CLARK

Total Tax
Total Ticket $897.34

Driver's Signature

403WM

J. L. Storedahl & Sons, Inc.

2233 TALLEY WAY • KELSO, WASHINGTON 98626
360 636-2420

J.L. Storedahl & Sons, Inc. is not responsible for damages incurred from the delivery of products due to soft ground, misdirection by customer or representatives thereof, or general conditions unsuitable for truck traffic.

DATE: 4/26/2012
TIME: 08:41 AM

376238

TOMER: ~~1310~~ 1350 MMC.
~~Martin, Inc., Ken~~
~~54 Brookside Drive~~
~~LSO, WA 98626~~

JOB: BB&A Environmental

TRUCK NO.: M25 Type: TT

LICENSE: K. Martin #25

NO.

ZONE:

HAULED BY:

	2"-4" Crushed Freight	32.35 Ton	11.00 0.00	355.85 0.00

ds: 1 Accum. Amount Ton 32.35

ATION WHERE WEIGHED: LONGVIEW

WEIGHMASTER: Sherry

Gross: 54.01 Tons
Tare: 21.66 Tons
Net: 32.35 Tons

Subtotal 355.85
Tax 27.04
Total 382.89

CEIVED BY: X

DRIVER ON: DRIVER OFF:

J. L. Storedahl & Sons, Inc.

2233 TALLEY WAY • KELSO, WASHINGTON 98626
360 636-2420

J.L. Storedahl & Sons, Inc. is not responsible for damages incurred from the delivery of products due to soft ground, misdirection by customer or representatives thereof, or general conditions unsuitable for truck traffic.

DATE: 4/26/2012
TIME: 08:24 AM

376239

TOMER: ~~1310~~ 1350 MMC.
~~Martin, Inc., Ken~~
~~54 Brookside Drive~~
~~LSO, WA 98626~~

JOB: BB & A Environmental

TRUCK NO.: M24 Type: TT

LICENSE: K. Martin #24

NO.

ZONE:

HAULED BY:

	2"-4" Crushed Freight	30.55 Ton	11.00 0.00	336.05 0.00

ds: 2 Accum. Amount Ton 62.90

ATION WHERE WEIGHED: LONGVIEW

WEIGHMASTER: Sherry

Gross: 50.23 Tons
Tare: 19.68 Tons
Net: 30.55 Tons

Subtotal 336.05
Tax 25.54
Total 361.59

CEIVED BY: X

DRIVER ON: DRIVER OFF:

J. L. Storedahl & Sons, Inc.

2233 TALLEY WAY • KELSO, WASHINGTON 98626
360 636-2420

J.L. Storedahl & Sons, Inc. is not responsible for damages incurred from the delivery of products due to soft ground, misdirection by customer or representatives thereof, or general conditions unsuitable for truck traffic.

DATE: /27/2012
TIME: :04:06 PM

376279

STOMER: 1350
isc. Sales
233 Talley Way
ELSO, WA 98626

JOB: Credit Card on file at Office
BB&A Enviromental

TRUCK NO.: M25 | Type: TT
LICENSE:
K. Martin #25

NO.

ZONE:

HAULED BY:

		AMOUNT	QUANTITY/RATE	EXTENSION
6	2"-4" Crushed Freight	31.91 Ton	11.00 0.00	351.01 0.00

ads: 1 | Accum. Amount: Ton 31.91

CATION WHERE WEIGHED: LONGVIEW

WEIGHMASTER: Sherry

Gross: 54.15 Tons
Tare: 22.24 Tons
Net: 31.91 Tons

Subtotal 351.01
Tax 26.68
Total 377.69

ECEIVED BY: X

DRIVER ON: DRIVER OFF:

J. L. Storedahl & Sons, Inc.

2233 TALLEY WAY • KELSO, WASHINGTON 98626
360 636-2420

J.L. Storedahl & Sons, Inc. is not responsible for damages incurred from the delivery of products due to soft ground, misdirection by customer or representatives thereof, or general conditions unsuitable for truck traffic.

DATE: /27/2012
TIME: :04:40 PM

376280

STOMER: 1350
isc. Sales
233 Talley Way
ELSO, WA 98626

JOB: Credit Card on File at Office
BB&A Envirmental

TRUCK NO.: M24 | Type: TT
LICENSE:
K. Martin #24

NO.

ZONE:

HAULED BY:

		AMOUNT	QUANTITY/RATE	EXTENSION
6	2"-4" Crushed Freight	30.33 Ton	11.00 0.00	333.63 0.00

ads: 2 | Accum. Amount: Ton 62.24

CATION WHERE WEIGHED: LONGVIEW

WEIGHMASTER: Sherry

Gross: 49.79 Tons
Tare: 19.46 Tons
Net: 30.33 Tons

Subtotal 333.63
Tax 25.36
Total 358.99

ECEIVED BY: X

DRIVER ON: DRIVER OFF:

M1 M&H 11/98

J. L. Storedahl & Sons, Inc.

2233 TALLEY WAY • KELSO, WASHINGTON 98626
360 636-2420

J.L. Storedahl & Sons, Inc. is not responsible for damages incurred from the delivery of products due to soft ground, misdirection by customer or representatives thereof, or general conditions unsuitable for truck traffic.

DATE: 27/2012
TIME: 21:41 PM
TICKET NO.: 510125

CUSTOMER: 1350
Misc. Sales
233 Talley Way
ELSO, WA 98626

JOB: Paid with Credit Card

TRUCK NO.: A10700E
Type: T
LICENSE:
Ken Martin

NO.:
ZONE:
HAULED BY:

PRODUCT CODE	PRODUCT	AMOUNT	UNIT PRICE	EXTENSION
	3"-8" Crushed	29.19 Ton	9.00	262.71
	Freight		0.00	0.00

Loads: 2
Accum. Amount: Ton 61.24

LOCATION WHERE WEIGHED: LIVINGSTON QUARRY

WEIGHMASTER: Nichole

Gross:	48.79 Tons	Subtotal	262.71
Tare:	19.60 Tons	Tax	20.23
Net:	29.19 Tons	Total	282.94

RECEIVED BY: X

DRIVER ON: DRIVER OFF:

J. L. Storedahl & Sons, Inc.

2233 TALLEY WAY • KELSO, WASHINGTON 98626
360 636-2420

J.L. Storedahl & Sons, Inc. is not responsible for damages incurred from the delivery of products due to soft ground, misdirection by customer or representatives thereof, or general conditions unsuitable for truck traffic.

DATE: /27/2012
TIME: :47:30 AM
TICKET NO.: 510096

CUSTOMER: 1350
Misc. Sales
233 Talley Way
ELSO, WA 98626

JOB: Paid with Credit Card

TRUCK NO.: A10700E
Type: T
LICENSE:
Ken Martin

NO.:
ZONE:
HAULED BY:

PRODUCT CODE	PRODUCT	AMOUNT	UNIT PRICE	EXTENSION
6	2"-4" Crushed	30.40 Ton	9.00	273.60
	Freight		0.00	0.00

Loads: 2
Accum. Amount: Ton 62.44

LOCATION WHERE WEIGHED: LIVINGSTON QUARRY

WEIGHMASTER: Nichole

Gross:	50.00 Tons	Subtotal	273.60
Tare:	19.60 Tons	Tax	21.07
Net:	30.40 Tons	Total	294.67

RECEIVED BY: X

DRIVER ON: DRIVER OFF:

J. L. Storedahl & Sons, Inc.

2233 TALLEY WAY • KELSO, WASHINGTON 98626
360 636-2420

J.L. Storedahl & Sons, Inc. is not responsible for damages incurred from the delivery of products due to soft ground, misdirection by customer or representatives thereof, or general conditions unsuitable for truck traffic.

DATE: /27/2012
TIME: 37:34 PM
TICKET NO: 510128

STOMER: 1350
isc. Sales
233 Talley Way
ELSO, WA 98626

JOB: Paid with Credit Card

TRUCK NO: A10700E
Type: TT
LICENSE:
Ken Martin

NO.:
ZONE:
HAULED BY:

PRODUCT CODE	PRODUCT	AMOUNT	UNIT PRICE	EXTENSION
0	1 1/2"-3/4" Crushed	30.14 Ton	9.00	271.26
	Freight		0.00	0.00

ads: 3
Accum. Amount: Ton 95.07

Gross: 49.74 Tons
Tare: 19.60 Tons
Net: 30.14 Tons

Subtotal 271.26
Tax 20.89
Total ~~292.15~~

CATION WHERE WEIGHED: LIVINGSTON QUARRY

WEIGHMASTER: Nichole

ECEIVED BY: X

DRIVER ON:
DRIVER OFF:

J. L. Storedahl & Sons, Inc.

2233 TALLEY WAY • KELSO, WASHINGTON 98626
360 636-2420

J.L. Storedahl & Sons, Inc. is not responsible for damages incurred from the delivery of products due to soft ground, misdirection by customer or representatives thereof, or general conditions unsuitable for truck traffic.

DATE: /27/2012
TIME: :26:10 PM
TICKET NO: 510133

STOMER: 1350
isc. Sales
233 Talley Way
ELSO, WA 98626

JOB: Paid with Credit Card

TRUCK NO: 75281PR
Type: TT
LICENSE:
CS6 Inc

NO.:
ZONE:
HAULED BY:

PRODUCT CODE	PRODUCT	AMOUNT	UNIT PRICE	EXTENSION
3	2 1/2"-1 1/2" Crushed	31.36 Ton	9.00	282.24
	Freight		0.00	0.00

ads: 3
Accum. Amount: Ton 95.57

Gross: 51.17 Tons
Tare: 19.81 Tons
Net: 31.36 Tons

Subtotal 282.24
Tax 21.73
Total ~~303.97~~

CATION WHERE WEIGHED: LIVINGSTON QUARRY

WEIGHMASTER: Nichole

ECEIVED BY: X

DRIVER ON:
DRIVER OFF:

J. L. Storedahl & Sons, Inc.

2233 TALLEY WAY • KELSO, WASHINGTON 98626
360 636-2420

J.L. Storedahl & Sons, Inc. is not responsible for damages incurred from the delivery of products due to soft ground, misdirection by customer or representatives thereof, or general conditions unsuitable for truck traffic.

DATE: /27/2012
TIME: :16:57 PM
TICKET NO: 510130

STOMER: 1350
isc. Sales
233 Talley Way
ELSO, WA 98626

JOB: Paid with Credit Card

TRUCK NO: 75281PR Type: T
LICENSE:
CSG Inc

O. NO: 1
ZONE:
HAULED BY:

PRODUCT CODE	PRODUCT	AMOUNT	UNIT PRICE	EXTENSION
0	1 1/2"-3/4" Crushed	32.87 Ton	9.00	295.83
	Freight		0.00	0.00

oads: 2
Accum. Amount Ton 63.01

CATION WHERE WEIGHED: LIVINGSTON QUARRY

WEIGHMASTER: Nichole

Gross: 52.66 Tons
Tare: 19.81 Tons
Net: 32.87 Tons

Subtotal 295.83
Tax 22.78
Total 318.61

ECEIVED BY: X

DRIVER ON: DRIVER OFF:

J. L. Storedahl & Sons, Inc.

2233 TALLEY WAY • KELSO, WASHINGTON 98626
360 636-2420

J.L. Storedahl & Sons, Inc. is not responsible for damages incurred from the delivery of products due to soft ground, misdirection by customer or representatives thereof, or general conditions unsuitable for truck traffic.

DATE: /27/2012
TIME: :47:37 PM
TICKET NO: 510120

STOMER: 1350
isc. Sales
233 Talley Way
ELSO, WA 98626

JOB: Paid with Credit Card

TRUCK NO: 75281PR Type: T
LICENSE:
CSG Inc

O. NO:
ZONE:
HAULED BY:

PRODUCT CODE	PRODUCT	AMOUNT	UNIT PRICE	EXTENSION
	3"-8" Crushed	32.05 Ton	9.00	288.45
	Freight		0.00	0.00

oads: 1
Accum. Amount Ton 32.05

CATION WHERE WEIGHED: LIVINGSTON QUARRY

WEIGHMASTER: Nichole

Gross: 51.86 Tons
Tare: 19.81 Tons
Net: 32.05 Tons

Subtotal 288.45
Tax 22.21
Total 310.66

ECEIVED BY: X

DRIVER ON: DRIVER OFF:

J. L. Storedahl & Sons, Inc.

2233 TALLEY WAY • KELSO, WASHINGTON 98626
360 636-2420

J.L. Storedahl & Sons, Inc. is not responsible for damages incurred from the delivery of products due to soft ground, misdirection by customer or representatives thereof, or general conditions unsuitable for truck traffic.

DATE: 27/2012
TIME: :30:32 PM
TICKET NO: 610114

STOMER: 1350
sc. Sales
33 Talley Way
LSO, WA 98626

JOB: Paid with Credit Card
CSG Inc

TRUCK NO: 75281PR Type: T
LICENSE:

NO.
ZONE:
HAULED BY:

PRODUCT CODE	PRODUCT	AMOUNT	UNIT PRICE	EXTENSION
	2"-4" Crushed	32.13 Ton	9.00	289.17
	Freight		0.00	0.00

ads: 6
Accum. Amount Ton 192.00

Gross: 51.94 Tons
Tare: 19.81 Tons
Net: 32.13 Tons

Subtotal 289.17
Tax 22.27
Total 311.44

CATION WHERE WEIGHED: LIVINGSTON QUARRY

WEIGHMASTER: Nichole

ECEIVED BY: X

DRIVER ON: DRIVER OFF:

J. L. Storedahl & Sons, Inc.

2233 TALLEY WAY • KELSO, WASHINGTON 98626
360 636-2420

J.L. Storedahl & Sons, Inc. is not responsible for damages incurred from the delivery of products due to soft ground, misdirection by customer or representatives thereof, or general conditions unsuitable for truck traffic.

DATE: /27/2012
TIME: 1:12:18 AM
TICKET NO: 510108

STOMER: 1350
isc. Sales
233 Talley Way
ELSO, WA 98626

JOB: Paid with Credit Card
CSG Inc

TRUCK NO: 75281PR Type: T
LICENSE:

O. NO.
1
ZONE:
HAULED BY:

PRODUCT CODE	PRODUCT	AMOUNT	UNIT PRICE	EXTENSION
6	2"-4" Crushed	32.40 Ton	9.00	291.60
	Freight		0.00	0.00

oads: 4
Accum. Amount Ton 127.03

Gross: 52.21 Tons
Tare: 19.81 Tons
Net: 32.40 Tons

Subtotal 291.60
Tax 22.45
Total 314.05

OCATION WHERE WEIGHED: LIVINGSTON QUARRY

WEIGHMASTER: Nichole

RECEIVED BY: X

DRIVER ON: DRIVER OFF:

J. L. Storedahl & Sons, Inc.

2233 TALLEY WAY • KELSO, WASHINGTON 98626
360 636-2420

J.L. Storedahl & Sons, Inc. is not responsible for damages incurred from the delivery of products due to soft ground, misdirection by customer or representatives thereof, or general conditions unsuitable for truck traffic.

DATE: 1/27/2012
TIME: 1:46:27 AM
TICKET NO.: 510095

CUSTOMER: 1350
Misc. Sales
2233 Talley Way
KELSO, WA 98626

JOB: Paid with Credit Card

TRUCK NO.: 75281PR Type: TT
LICENSE:
CSG Inc

P.O. NO.: 1
ZONE:
HAULED BY:

PRODUCT CODE	PRODUCT	AMOUNT	UNIT PRICE	EXTENSION
6	2"-4" Crushed	32.04 Ton	9.00	288.36
	Freight		0.00	0.00

Loads: 1
Accum. Amount: Ton 32.04

LOCATION WHERE WEIGHED: LIVINGSTON QUARRY

WEIGHMASTER: Nichole

Gross: 51.85 Tons
Tare: 19.81 Tons
Net: 32.04 Tons

Subtotal 288.36
Tax 22.20
Total 310.56

RECEIVED BY: X

DRIVER ON: DRIVER OFF:

J. L. Storedahl & Sons, Inc.

2233 TALLEY WAY • KELSO, WASHINGTON 98626
360 636-2420

J.L. Storedahl & Sons, Inc. is not responsible for damages incurred from the delivery of products due to soft ground, misdirection by customer or representatives thereof, or general conditions unsuitable for truck traffic.

DATE: 1/27/2012
TIME: 1:24:01 PM
TICKET NO.: 510131

CUSTOMER: 1350
Misc. Sales
2233 Talley Way
KELSO, WA 98626

JOB: Paid with Credit Card

TRUCK NO.: B87275C Type: TT
LICENSE:
Ken Martin

P.O. NO.: 71
ZONE:
HAULED BY:

PRODUCT CODE	PRODUCT	AMOUNT	UNIT PRICE	EXTENSION
53	2 1/2"-1 1/2" Crushed	32.15 Ton	9.00	289.35
	Freight		0.00	0.00

Loads: 2
Accum. Amount: Ton 64.21

LOCATION WHERE WEIGHED: LIVINGSTON QUARRY

WEIGHMASTER: Nichole

Gross: 54.50 Tons
Tare: 22.35 Tons
Net: 32.15 Tons

Subtotal 289.35
Tax 22.28
Total 311.63

RECEIVED BY: X

DRIVER ON: DRIVER OFF:

J. L. Storedahl & Sons, Inc.

2233 TALLEY WAY • KELSO, WASHINGTON 98626
360 636-2420

J.L. Storedahl & Sons, Inc. is not responsible for damages incurred from the delivery of products due to soft ground, misdirection by customer or representatives thereof, or general conditions unsuitable for truck traffic.

DATE: /27/2012
TIME: :16:42 PM
TICKET NO.: 510129

STOMER: 1350
isc. Sales
233 Talley Way
ELSO, WA 98626

JOB: Paid with Credit Card

TRUCK NO.: B87275C Type: TT
LICENSE:
Ken Martin

NO.:
ZONE:
HAULED BY:

ODUCT CODE	PRODUCT	AMOUNT	UNIT PRICE	EXTENSION
3	2 1/2"-1 1/2" Crushed Freight	32.06 Ton	9.00 0.00	288.54 0.00

ads: 1
Accum. Amount Ton 32.06

Gross: 54.41 Tons
Tare: 22.35 Tons
Net: 32.06 Tons

Subtotal 288.54
Tax 22.22
Total 310.76

CATION WHERE WEIGHED: LIVINGSTON QUARRY

WEIGHMASTER: Nichole

ECEIVED BY: X

DRIVER ON: DRIVER OFF:

J. L. Storedahl & Sons, Inc.

2233 TALLEY WAY • KELSO, WASHINGTON 98626
360 636-2420

J.L. Storedahl & Sons, Inc. is not responsible for damages incurred from the delivery of products due to soft ground, misdirection by customer or representatives thereof, or general conditions unsuitable for truck traffic.

DATE: /27/2012
TIME: :43:58 PM
TICKET NO.: 510119

USTOMER: 1350
isc. Sales
233 Talley Way
ELSO, WA 98626

JOB: Paid with Credit Card

TRUCK NO.: B87275C Type: TT
LICENSE:
Ken Martin

O. NO.: 1
ZONE:
HAULED BY:

RODUCT CODE	PRODUCT	AMOUNT	UNIT PRICE	EXTENSION
6	2"-4" Crushed Freight	33.39 Ton	9.00 0.00	300.51 0.00

oads: 8
Accum. Amount Ton 258.95

Gross: 55.74 Tons
Tare: 22.35 Tons
Net: 33.39 Tons

Subtotal 300.51
Tax 23.14
Total 323.65

OCATION WHERE WEIGHED: LIVINGSTON QUARRY

WEIGHMASTER: Nichole

RECEIVED BY: X

DRIVER ON: DRIVER OFF:

J. L. Storedahl & Sons, Inc.

2233 TALLEY WAY • KELSO, WASHINGTON 98626
360 636-2420

J.L. Storedahl & Sons, Inc. is not responsible for damages incurred from the delivery of products due to soft ground, misdirection by customer or representatives thereof, or general conditions unsuitable for truck traffic.

DATE: /27/2012
TIME: 2:32:02 PM
TICKET NO: 510115

CUSTOMER: 1350
Misc. Sales
2233 Talley Way
KELSO, WA 98626

JOB: Paid with Credit Card

TRUCK NO: B87275C Type: T
LICENSE:
Ken Martin

P.O. NO: 1
ZONE:
HAULED BY:

PRODUCT CODE	PRODUCT	AMOUNT	UNIT PRICE	EXTENSION
6	2"-4" Crushed	33.56 Ton	9.00	302.04
	Freight		0.00	0.00

Loads: 7
Accum. Amount Ton 225.56

Gross: 55.91 Tons
Tare: 22.35 Tons
Net: 33.56 Tons

Subtotal 302.04
Tax 23.26
Total 325.30

LOCATION WHERE WEIGHED: LIVINGSTON QUARRY

WEIGHMASTER: Nichole

RECEIVED BY: X

DRIVER ON: DRIVER OFF:

J. L. Storedahl & Sons, Inc.

2233 TALLEY WAY • KELSO, WASHINGTON 98626
360 636-2420

J.L. Storedahl & Sons, Inc. is not responsible for damages incurred from the delivery of products due to soft ground, misdirection by customer or representatives thereof, or general conditions unsuitable for truck traffic.

DATE: 4/21/2012
TIME: 11:13:41 AM
TICKET NO: 510109

CUSTOMER: 1350
Misc. Sales
2233 Talley Way
KELSO, WA 98626

JOB: Paid with Credit Card

TRUCK NO: B87275C Type: T
LICENSE:
Ken Martin

P.O. NO: 71
ZONE:
HAULED BY:

PRODUCT CODE	PRODUCT	AMOUNT	UNIT PRICE	EXTENSION
66	2"-4" Crushed	32.84 Ton	9.00	295.56
	Freight		0.00	0.00

Loads: 5
Accum. Amount Ton 159.87

Gross: 55.19 Tons
Tare: 22.35 Tons
Net: 32.84 Tons

Subtotal 295.56
Tax 22.76
Total 318.32

LOCATION WHERE WEIGHED: LIVINGSTON QUARRY

WEIGHMASTER: Nichole

RECEIVED BY: X

DRIVER ON: DRIVER OFF:

J. L. Storedahl & Sons, Inc.

2233 TALLEY WAY • KELSO, WASHINGTON 98626
360 636-2420

J.L. Storedahl & Sons, Inc. is not responsible for damages incurred from the delivery of products due to soft ground, misdirection by customer or representatives thereof, or general conditions unsuitable for truck traffic.

DATE: 1/27/2012
TIME: 9:48:51 AM

TICKET NO.: 510097

CUSTOMER: 1350
Misc. Sales
2233 Talley Way
KELSO, WA 98626

JOB: Paid with Credit Card

TRUCK NO.: 887275C
Type: T

LICENSE:

Ken Martin

PO. NO.: 71

ZONE:

HAULED BY:

PRODUCT CODE	PRODUCT	AMOUNT	UNIT PRICE	EXTENSION
56	2"-4" Crushed	32.19 Ton	9.00	289.71
	Freight		0.00	0.00

Loads: 3

Accum. Amount: Ton 94.63

Gross: 54.54 Tons
Tare: 22.35 Tons
Net: 32.19 Tons

Subtotal 289.71
Tax 22.31
Total 312.02

LOCATION WHERE WEIGHED: LIVINGSTON QUARRY

WEIGHMASTER: Nichole

RECEIVED BY: X

DRIVER ON:

DRIVER OFF:

ATTACHMENT C

Laboratory Reports and Chain-of-Custody Documents

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Portland
9405 SW Nimbus Ave.
Beaverton, OR 97008
Tel: (503)906-9200

TestAmerica Job ID: 250-2179-1
TestAmerica Sample Delivery Group: VOC02DEC.12UE
Client Project/Site: L&C Deli

For:
BB&A Environmental
25195 SW Parkway Ave
Suite # 207
Wilsonville, Oregon 97070

Attn: Steve Omo

Vanessa Frahs

Authorized for release by:
5/6/2012 7:15:38 PM

Vanessa Frahs
Project Manager I
vanessa.frahs@testamericainc.com

Table of Contents

Sample Summary

Client: BB&A Environmental
Project/Site: L&C Deli

TestAmerica Job ID: 250-2179-1
SDG: VOC02DEC.12UE

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
250-2179-1	VOC02-S1-7.5'	Solid	04/25/12 15:20	04/25/12 16:35
250-2179-2	VOC02-SW2-7.5'	Solid	04/25/12 15:25	04/25/12 16:35
250-2179-3	VOC02-W3-7.5'	Solid	04/25/12 15:30	04/25/12 16:35
250-2179-4	VOC02-NW4-7.5'	Solid	04/25/12 15:35	04/25/12 16:35
250-2179-5	VOC02-N5-7.5'	Solid	04/25/12 15:40	04/25/12 16:35

Job ID: 250-2179-1

Laboratory: TestAmerica Portland

Narrative

Receipt
The samples were received on 4/25/2012 4:35 PM; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 14.80 C.

Except:

The following sample(s) was received at the laboratory outside the required temperature criteria: . The sample(s) is considered acceptable since it was collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

GC VOA
No analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

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
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: BB&A Environmental
Project/Site: L&C Deli

TestAmerica Job ID: 250-2179-1
SDG: VOC02DEC.12UE

Client Sample ID: VOC02-S1-7.5' — **Lab Sample ID: 250-2179-1**

No Detections

Client Sample ID: VOC02-SW2-7.5' — **Lab Sample ID: 250-2179-2**

No Detections

Client Sample ID: VOC02-W3-7.5' — **Lab Sample ID: 250-2179-3**

No Detections

Client Sample ID: VOC02-NW4-7.5' — **Lab Sample ID: 250-2179-4**

No Detections

Client Sample ID: VOC02-N5-7.5' — **Lab Sample ID: 250-2179-5**

No Detections

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

Client Sample ID: VOC02-S1-7.5' — **Lab Sample ID: 250-2179-1**
Date Collected: 04/25/12 15:20 — **Matrix: Solid**
Date Received: 04/25/12 16:35 — **Percent Solids: 72.1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons	ND		5500	1800	ug/Kg	☼	04/26/12 19:20	04/27/12 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid)	*95*		*50 - 150*	*04/26/12 19:20*	*04/27/12 12:33*	*1*

Client Sample ID: VOC02-SW2-7.5' — **Lab Sample ID: 250-2179-2**
Date Collected: 04/25/12 15:25 — **Matrix: Solid**
Date Received: 04/25/12 16:35 — **Percent Solids: 71.8**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons	ND		5200	1700	ug/Kg	☼	04/26/12 19:20	04/27/12 11:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid)	*98*		*50 - 150*	*04/26/12 19:20*	*04/27/12 11:37*	*1*

Client Sample ID: VOC02-W3-7.5' — **Lab Sample ID: 250-2179-3**
Date Collected: 04/25/12 15:30 — **Matrix: Solid**
Date Received: 04/25/12 16:35 — **Percent Solids: 72.2**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons	ND		5400	1800	ug/Kg	☼	04/26/12 19:20	04/27/12 11:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid)	*89*		*50 - 150*	*04/26/12 19:20*	*04/27/12 11:09*	*1*

Client Sample ID: VOC02-NW4-7.5' — **Lab Sample ID: 250-2179-4**
Date Collected: 04/25/12 15:35 — **Matrix: Solid**
Date Received: 04/25/12 16:35 — **Percent Solids: 71.8**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons	ND		5400	1700	ug/Kg	☼	04/26/12 19:20	04/27/12 10:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid)	*99*		*50 - 150*	*04/26/12 19:20*	*04/27/12 10:41*	*1*

Client Sample ID: VOC02-N5-7.5' — **Lab Sample ID: 250-2179-5**
Date Collected: 04/25/12 15:40 — **Matrix: Solid**
Date Received: 04/25/12 16:35 — **Percent Solids: 73.3**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons	ND		5300	1700	ug/Kg	☼	04/26/12 19:20	04/27/12 10:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid)	*102*		*50 - 150*	*04/26/12 19:20*	*04/27/12 10:13*	*1*

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

Client Sample ID: VOC02-S1-7.5'
Date Collected: 04/25/12 15:20
Date Received: 04/25/12 16:35

Lab Sample ID: 250-2179-1
Matrix: Solid
Percent Solids: 72.1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		17	17	mg/Kg	☼	04/25/12 20:37	04/26/12 09:05	1
RRO (nC25-nC36)	ND		35	35	mg/Kg	☼	04/25/12 20:37	04/26/12 09:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctadecane	*84*		*50 - 150*	*04/25/12 20:37*	*04/26/12 09:05*	*1*

Client Sample ID: VOC02-SW2-7.5'
Date Collected: 04/25/12 15:25
Date Received: 04/25/12 16:35

Lab Sample ID: 250-2179-2
Matrix: Solid
Percent Solids: 71.8

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		17	17	mg/Kg	☼	04/25/12 20:37	04/26/12 09:23	1
RRO (nC25-nC36)	ND		35	35	mg/Kg	☼	04/25/12 20:37	04/26/12 09:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctadecane	*78*		*50 - 150*	*04/25/12 20:37*	*04/26/12 09:23*	*1*

Client Sample ID: VOC02-W3-7.5'
Date Collected: 04/25/12 15:30
Date Received: 04/25/12 16:35

Lab Sample ID: 250-2179-3
Matrix: Solid
Percent Solids: 72.2

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		17	17	mg/Kg	☼	04/25/12 20:37	04/26/12 13:27	1
RRO (nC25-nC36)	ND		34	34	mg/Kg	☼	04/25/12 20:37	04/26/12 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctadecane	*81*		*50 - 150*	*04/25/12 20:37*	*04/26/12 13:27*	*1*

Client Sample ID: VOC02-NW4-7.5'
Date Collected: 04/25/12 15:35
Date Received: 04/25/12 16:35

Lab Sample ID: 250-2179-4
Matrix: Solid
Percent Solids: 71.8

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		17	17	mg/Kg	☼	04/25/12 20:37	04/26/12 09:58	1
RRO (nC25-nC36)	ND		35	35	mg/Kg	☼	04/25/12 20:37	04/26/12 09:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctadecane	*81*		*50 - 150*	*04/25/12 20:37*	*04/26/12 09:58*	*1*

Client Sample ID: VOC02-N5-7.5'
Date Collected: 04/25/12 15:40
Date Received: 04/25/12 16:35

Lab Sample ID: 250-2179-5
Matrix: Solid
Percent Solids: 73.3

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		17	17	mg/Kg	☼	04/25/12 20:37	04/26/12 10:37	1
RRO (nC25-nC36)	ND		34	34	mg/Kg	☼	04/25/12 20:37	04/26/12 10:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctadecane	*76*		*50 - 150*	*04/25/12 20:37*	*04/26/12 10:37*	*1*

General Chemistry

Client Sample ID: VOC02-S1-7.5' — **Lab Sample ID: 250-2179-1**
Date Collected: 04/25/12 15:20 — **Matrix: Solid**
Date Received: 04/25/12 16:35

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	28		0.010	0.010	%			04/25/12 19:48	1
Percent Solids	72		0.010	0.010	%			04/25/12 19:48	1

Client Sample ID: VOC02-SW2-7.5' — **Lab Sample ID: 250-2179-2**
Date Collected: 04/25/12 15:25 — **Matrix: Solid**
Date Received: 04/25/12 16:35

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	28		0.010	0.010	%			04/25/12 19:48	1
Percent Solids	72		0.010	0.010	%			04/25/12 19:48	1

Client Sample ID: VOC02-W3-7.5' — **Lab Sample ID: 250-2179-3**
Date Collected: 04/25/12 15:30 — **Matrix: Solid**
Date Received: 04/25/12 16:35

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	28		0.010	0.010	%			04/25/12 19:48	1
Percent Solids	72		0.010	0.010	%			04/25/12 19:48	1

Client Sample ID: VOC02-NW4-7.5' — **Lab Sample ID: 250-2179-4**
Date Collected: 04/25/12 15:35 — **Matrix: Solid**
Date Received: 04/25/12 16:35

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	28		0.010	0.010	%			04/25/12 19:48	1
Percent Solids	72		0.010	0.010	%			04/25/12 19:48	1

Client Sample ID: VOC02-N5-7.5' — **Lab Sample ID: 250-2179-5**
Date Collected: 04/25/12 15:40 — **Matrix: Solid**
Date Received: 04/25/12 16:35

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	27		0.010	0.010	%			04/25/12 19:48	1
Percent Solids	73		0.010	0.010	%			04/25/12 19:48	1

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

Lab Sample ID: MB 250-4261/1-A
Matrix: Solid
Analysis Batch: 4307

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4261

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons	ND		3800	1200	ug/Kg		04/26/12 19:20	04/27/12 09:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid)	*103*		*50 - 150*	*04/26/12 19:20*	*04/27/12 09:31*	*1*

Lab Sample ID: LCS 250-4261/2-A
Matrix: Solid
Analysis Batch: 4307

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4261

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene (fid)	*109*		*50 - 150*

Lab Sample ID: 250-2179-2 MS
Matrix: Solid
Analysis Batch: 4307

Client Sample ID: VOC02-SW2-7.5'
Prep Type: Total/NA
Prep Batch: 4261

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
a,a,a-Trifluorotoluene (fid)	*94*		*50 - 150*

Lab Sample ID: 250-2179-1 DU
Matrix: Solid
Analysis Batch: 4307

Client Sample ID: VOC02-S1-7.5'
Prep Type: Total/NA
Prep Batch: 4261

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Gasoline Range Hydrocarbons	ND		ND		ug/Kg	☼	NC	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
a,a,a-Trifluorotoluene (fid)	*91*		*50 - 150*

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

Lab Sample ID: MB 250-4206/1-A
Matrix: Solid
Analysis Batch: 4236

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4206

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		12	12	mg/Kg		04/25/12 20:37	04/26/12 09:40	1
RRO (nC25-nC36)	ND		25	25	mg/Kg		04/25/12 20:37	04/26/12 09:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctadecane	*94*		*50 - 150*	*04/25/12 20:37*	*04/26/12 09:40*	*1*

Lab Sample ID: LCS 250-4206/2-A
Matrix: Solid
Analysis Batch: 4236

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4206

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
DRO (C10-C25)	124	98.4		mg/Kg		79	50 - 150

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

Lab Sample ID: LCS 250-4206/2-A
Matrix: Solid
Analysis Batch: 4236

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4206

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
RRO (nC25-nC36)			74.6	72.4		mg/Kg		97	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctadecane	*86*		*50 - 150*

Lab Sample ID: 250-2179-1 DU
Matrix: Solid
Analysis Batch: 4236

Client Sample ID: VOC02-S1-7.5'
Prep Type: Total/NA
Prep Batch: 4206

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
DRO (C10-C25)	ND			ND		mg/Kg	☼			NC	40
RRO (nC25-nC36)	ND			ND		mg/Kg	☼			NC	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
1-Chlorooctadecane	*85*		*50 - 150*

Method: D2216-80 - Percent Dry Weight (Solids) per ASTM D2216-80

Lab Sample ID: 250-2179-4 DU
Matrix: Solid
Analysis Batch: 4203

Client Sample ID: VOC02-NW4-7.5'
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	28			29		%				4	20
Percent Solids	72			71		%				2	20

Certification Summary

Client: BB&A Environmental
Project/Site: L&C Deli

TestAmerica Job ID: 250-2179-1
SDG: VOC02DEC.12UE

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Portland	Alaska	State Program	10	OR00040
TestAmerica Portland	Alaska (UST)	State Program	10	UST-012
TestAmerica Portland	California	State Program	9	2597
TestAmerica Portland	Oregon	NELAC	10	OR100021
TestAmerica Portland	USDA	Federal		P330-11-00092
TestAmerica Portland	Washington	State Program	10	C586

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave,Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: 250-2179

CLIENT: BBEA ENVIRONMENTAL

REPORT TO: 25195 SW Parkway Ave #207
ADDRESS: Wilsonville OR 97070

PHONE: 503 570 9484 FAX:

INVOICE TO:

P.O. NUMBER:

PROJECT NAME: L&C Deli

PROJECT NUMBER: VOC02 DEC. 12WC

SAMPLED BY: Steve Omo

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses: [10] STD. [7] [5] [4] [3] [2] [1] [<1]

Petroleum Hydrocarbon Analyses: [5] STD. [4] [3] [2] [1] [<1]

[OTHER] Specify:

* Turnaround Requests less than standard may incur Rush Charges.

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE	NWTPH GX	NWTPH DX	BTEX	MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
1 VOC02-S1-7.5'	4.25.12 15:20		✓	✓		S	1		
2 VOC02-S2-7.5'	15:25		✓	✓		S	1		
3 VOC02-W3-7.5'	15:30		✓	✓		S	1		
4 VOC02-NW4-7.5'	15:35		✓	✓		S	1		
5 VOC02-N5-7.5'	15:40		✓	✓		S	1		
6									
7									
8									
9									
10									

REQUESTED ANALYSES

RELEASED BY: [signature] DATE: 4.25.12
PRINT NAME: STEPHEN OMO FIRM: BBEA TIME: 16:35

RECEIVED BY: [signature] DATE: 4-25-12
PRINT NAME: Vanessa Franks FIRM: PTA TIME: 1635

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS:

TEMP: 14.8 PAGE OF

TAL-1000(0408)

Login Sample Receipt Checklist

Client: BB&A Environmental

Job Number: 250-2179-1
SDG Number: VOC02DEC.12UE

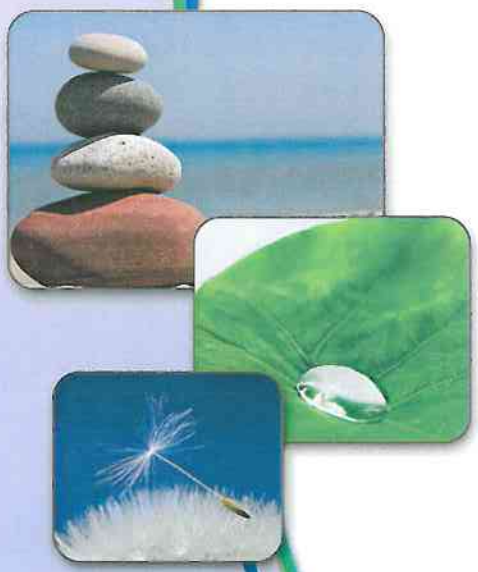
Login Number: 2179
List Number: 1
Creator: Svabik-Seror, Philip

List Source: TestAmerica Portland

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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.	False	above temp
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 sample IDs on the containers 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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Portland
9405 SW Nimbus Ave.
Beaverton, OR 97008
Tel: (503)906-9200

TestAmerica Job ID: 250-2279-1
TestAmerica Sample Delivery Group: VOC02DEC.12.UC
Client Project/Site: L&C Deli

For:
BB&A Environmental
25195 SW Parkway Ave
Suite # 207
Wilsonville, Oregon 97070

Attn: Steve Omo

Vanessa Frahs

Authorized for release by:
5/8/2012 4:18:08 PM

Vanessa Frahs
Project Manager I
vanessa.frahs@testamericainc.com

LINKS

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Table of Contents

Sample Summary

Client: BB&A Environmental
Project/Site: L&C Deli

TestAmerica Job ID: 250-2279-1
SDG: VOC02DEC.12.UC

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
250-2279-1	VOC02-SWDISP-7'	Solid	04/25/12 15:00	04/27/12 13:45
250-2279-2	VOC02-NEDISP-7'	Solid	04/25/12 15:00	04/27/12 13:45
250-2279-3	VOC02-SE-7'	Solid	04/25/12 15:00	04/27/12 13:45
250-2279-4	VOC02-E-7'	Solid	04/25/12 15:05	04/27/12 13:45
250-2279-5	VOC02-NE-7'	Solid	04/25/12 15:10	04/27/12 13:45
250-2279-6	VOC02-NE6-7.5'	Solid	04/25/12 15:15	04/27/12 13:45

Job ID: 250-2279-1

Laboratory: TestAmerica Portland

Narrative

Receipt
The samples were received on 4/27/2012 1:45 PM; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 4.80 C.

GC/MS VOA
No analytical or quality issues were noted.

GC VOA
Method(s) NWTPH-Gx: VOC02-SE-7' (250-2279-3) Hydrocarbon result is due to diesel in quantitation range.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) NWTPH-Dx: Detected hydrocarbons appear to be due to weathered diesel.VOC02-SE-7' (250-2279-3)

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: BB&A Environmental
Project/Site: L&C Deli

TestAmerica Job ID: 250-2279-1
SDG: VOC02DEC.12.UC

Client Sample ID: VOC02-SWDISP-7'

Lab Sample ID: 250-2279-1

Analyte	Result	Qualifier	MDL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	22		18	18	ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: VOC02-NEDISP-7'

Lab Sample ID: 250-2279-2

No Detections

Client Sample ID: VOC02-SE-7'

Lab Sample ID: 250-2279-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Hydrocarbons	86000		4200	1400	ug/Kg	1	☼	NWTPH-Gx	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
DRO (C10-C25)	780		14	14	mg/Kg	1	☼	NWTPH-Dx	Total/NA

Client Sample ID: VOC02-E-7'

Lab Sample ID: 250-2279-4

No Detections

Client Sample ID: VOC02-NE-7'

Lab Sample ID: 250-2279-5

No Detections

Client Sample ID: VOC02-NE6-7.5'

Lab Sample ID: 250-2279-6

No Detections

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

Client Sample ID: VOC02-SWDISP-7'
Date Collected: 04/25/12 15:00
Date Received: 04/27/12 13:45

Lab Sample ID: 250-2279-1
Matrix: Solid
Percent Solids: 80.6

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		70	70	ug/Kg	☼	05/01/12 12:59	05/07/12 15:37	1
Benzene	ND		24	24	ug/Kg	☼	05/01/12 12:59	05/07/12 15:37	1
Ethylbenzene	ND		21	21	ug/Kg	☼	05/01/12 12:59	05/07/12 15:37	1
Toluene	22		18	18	ug/Kg	☼	05/01/12 12:59	05/07/12 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 125*	*05/01/12 12:59*	*05/07/12 15:37*	*1*
4-Bromofluorobenzene (Surr)	*93*		*75 - 125*	*05/01/12 12:59*	*05/07/12 15:37*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 125*	*05/01/12 12:59*	*05/07/12 15:37*	*1*
Toluene-d8 (Surr)	*103*		*75 - 125*	*05/01/12 12:59*	*05/07/12 15:37*	*1*

Client Sample ID: VOC02-NEDISP-7'
Date Collected: 04/25/12 15:00
Date Received: 04/27/12 13:45

Lab Sample ID: 250-2279-2
Matrix: Solid
Percent Solids: 84.2

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		69	69	ug/Kg	☼	05/01/12 12:59	05/07/12 15:59	1
Benzene	ND		23	23	ug/Kg	☼	05/01/12 12:59	05/07/12 15:59	1
Ethylbenzene	ND		21	21	ug/Kg	☼	05/01/12 12:59	05/07/12 15:59	1
Toluene	ND		18	18	ug/Kg	☼	05/01/12 12:59	05/07/12 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 125*	*05/01/12 12:59*	*05/07/12 15:59*	*1*
4-Bromofluorobenzene (Surr)	*96*		*75 - 125*	*05/01/12 12:59*	*05/07/12 15:59*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 125*	*05/01/12 12:59*	*05/07/12 15:59*	*1*
Toluene-d8 (Surr)	*106*		*75 - 125*	*05/01/12 12:59*	*05/07/12 15:59*	*1*

Client Sample ID: VOC02-SE-7'
Date Collected: 04/25/12 15:00
Date Received: 04/27/12 13:45

Lab Sample ID: 250-2279-3
Matrix: Solid
Percent Solids: 89.3

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		61	61	ug/Kg	☼	05/01/12 12:59	05/07/12 17:28	1
Benzene	ND		21	21	ug/Kg	☼	05/01/12 12:59	05/07/12 17:28	1
Ethylbenzene	ND		19	19	ug/Kg	☼	05/01/12 12:59	05/07/12 17:28	1
Toluene	ND		16	16	ug/Kg	☼	05/01/12 12:59	05/07/12 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*75 - 125*	*05/01/12 12:59*	*05/07/12 17:28*	*1*
4-Bromofluorobenzene (Surr)	*103*		*75 - 125*	*05/01/12 12:59*	*05/07/12 17:28*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 125*	*05/01/12 12:59*	*05/07/12 17:28*	*1*
Toluene-d8 (Surr)	*112*		*75 - 125*	*05/01/12 12:59*	*05/07/12 17:28*	*1*

Client Sample ID: VOC02-E-7'
Date Collected: 04/25/12 15:05
Date Received: 04/27/12 13:45

Lab Sample ID: 250-2279-4
Matrix: Solid
Percent Solids: 85.4

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		64	64	ug/Kg	☼	05/01/12 12:59	05/07/12 16:21	1
Benzene	ND		22	22	ug/Kg	☼	05/01/12 12:59	05/07/12 16:21	1
Ethylbenzene	ND		20	20	ug/Kg	☼	05/01/12 12:59	05/07/12 16:21	1
Toluene	ND		16	16	ug/Kg	☼	05/01/12 12:59	05/07/12 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 125*	*05/01/12 12:59*	*05/07/12 16:21*	*1*

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

Client Sample ID: VOC02-E-7'
Date Collected: 04/25/12 15:05
Date Received: 04/27/12 13:45

Lab Sample ID: 250-2279-4
Matrix: Solid
Percent Solids: 85.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*75 - 125*	*05/01/12 12:59*	*05/07/12 16:21*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 125*	*05/01/12 12:59*	*05/07/12 16:21*	*1*
Toluene-d8 (Surr)	*106*		*75 - 125*	*05/01/12 12:59*	*05/07/12 16:21*	*1*

Client Sample ID: VOC02-NE-7'
Date Collected: 04/25/12 15:10
Date Received: 04/27/12 13:45

Lab Sample ID: 250-2279-5
Matrix: Solid
Percent Solids: 84.8

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		66	66	ug/Kg	☼	05/01/12 12:59	05/07/12 16:43	1
Benzene	ND		22	22	ug/Kg	☼	05/01/12 12:59	05/07/12 16:43	1
Ethylbenzene	ND		20	20	ug/Kg	☼	05/01/12 12:59	05/07/12 16:43	1
Toluene	ND		17	17	ug/Kg	☼	05/01/12 12:59	05/07/12 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 125*	*05/01/12 12:59*	*05/07/12 16:43*	*1*
4-Bromofluorobenzene (Surr)	*97*		*75 - 125*	*05/01/12 12:59*	*05/07/12 16:43*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 125*	*05/01/12 12:59*	*05/07/12 16:43*	*1*
Toluene-d8 (Surr)	*107*		*75 - 125*	*05/01/12 12:59*	*05/07/12 16:43*	*1*

Client Sample ID: VOC02-NE6-7.5'
Date Collected: 04/25/12 15:15
Date Received: 04/27/12 13:45

Lab Sample ID: 250-2279-6
Matrix: Solid
Percent Solids: 86.0

Analyte	Result	Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		63	63	ug/Kg	☼	05/01/12 12:59	05/07/12 17:05	1
Benzene	ND		21	21	ug/Kg	☼	05/01/12 12:59	05/07/12 17:05	1
Ethylbenzene	ND		19	19	ug/Kg	☼	05/01/12 12:59	05/07/12 17:05	1
Toluene	ND		16	16	ug/Kg	☼	05/01/12 12:59	05/07/12 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 125*	*05/01/12 12:59*	*05/07/12 17:05*	*1*
4-Bromofluorobenzene (Surr)	*95*		*75 - 125*	*05/01/12 12:59*	*05/07/12 17:05*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 125*	*05/01/12 12:59*	*05/07/12 17:05*	*1*
Toluene-d8 (Surr)	*105*		*75 - 125*	*05/01/12 12:59*	*05/07/12 17:05*	*1*

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

Client Sample ID: VOC02-SWDISP-7'
Date Collected: 04/25/12 15:00
Date Received: 04/27/12 13:45

Lab Sample ID: 250-2279-1
Matrix: Solid
Percent Solids: 80.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons	ND		4800	1500	ug/Kg	☼	05/01/12 11:16	05/02/12 13:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid)	*91*		*50 - 150*	*05/01/12 11:16*	*05/02/12 13:01*	*1*

Client Sample ID: VOC02-NEDISP-7'
Date Collected: 04/25/12 15:00
Date Received: 04/27/12 13:45

Lab Sample ID: 250-2279-2
Matrix: Solid
Percent Solids: 84.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons	ND		4700	1500	ug/Kg	☼	05/01/12 11:16	05/02/12 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid)	*99*		*50 - 150*	*05/01/12 11:16*	*05/02/12 13:29*	*1*

Client Sample ID: VOC02-SE-7'
Date Collected: 04/25/12 15:00
Date Received: 04/27/12 13:45

Lab Sample ID: 250-2279-3
Matrix: Solid
Percent Solids: 89.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons	86000		4200	1400	ug/Kg	☼	05/01/12 11:16	05/02/12 12:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid)	*102*		*50 - 150*	*05/01/12 11:16*	*05/02/12 12:05*	*1*

Client Sample ID: VOC02-E-7'
Date Collected: 04/25/12 15:05
Date Received: 04/27/12 13:45

Lab Sample ID: 250-2279-4
Matrix: Solid
Percent Solids: 85.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons	ND		4400	1400	ug/Kg	☼	05/01/12 11:16	05/02/12 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid)	*95*		*50 - 150*	*05/01/12 11:16*	*05/02/12 15:57*	*1*

Client Sample ID: VOC02-NE-7'
Date Collected: 04/25/12 15:10
Date Received: 04/27/12 13:45

Lab Sample ID: 250-2279-5
Matrix: Solid
Percent Solids: 84.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons	ND		4500	1500	ug/Kg	☼	05/01/12 11:16	05/02/12 11:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid)	*98*		*50 - 150*	*05/01/12 11:16*	*05/02/12 11:09*	*1*

Client Sample ID: VOC02-NE6-7.5'
Date Collected: 04/25/12 15:15
Date Received: 04/27/12 13:45

Lab Sample ID: 250-2279-6
Matrix: Solid
Percent Solids: 86.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons	ND		4300	1400	ug/Kg	☼	05/01/12 11:16	05/02/12 10:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid)	*101*		*50 - 150*	*05/01/12 11:16*	*05/02/12 10:41*	*1*

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

Client Sample ID: VOC02-SWDISP-7'
Date Collected: 04/25/12 15:00
Date Received: 04/27/12 13:45

Lab Sample ID: 250-2279-1
Matrix: Solid
Percent Solids: 80.6

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		15	15	mg/Kg	☼	05/01/12 16:15	05/02/12 08:53	1
RRO (nC25-nC36)	ND		31	31	mg/Kg	☼	05/01/12 16:15	05/02/12 08:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctadecane	*80*		*50 - 150*	*05/01/12 16:15*	*05/02/12 08:53*	*1*

Client Sample ID: VOC02-NEDISP-7'
Date Collected: 04/25/12 15:00
Date Received: 04/27/12 13:45

Lab Sample ID: 250-2279-2
Matrix: Solid
Percent Solids: 84.2

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		15	15	mg/Kg	☼	05/01/12 16:15	05/02/12 10:38	1
RRO (nC25-nC36)	ND		30	30	mg/Kg	☼	05/01/12 16:15	05/02/12 10:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctadecane	*79*		*50 - 150*	*05/01/12 16:15*	*05/02/12 10:38*	*1*

Client Sample ID: VOC02-SE-7'
Date Collected: 04/25/12 15:00
Date Received: 04/27/12 13:45

Lab Sample ID: 250-2279-3
Matrix: Solid
Percent Solids: 89.3

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	780		14	14	mg/Kg	☼	05/01/12 16:15	05/02/12 10:56	1
RRO (nC25-nC36)	ND		28	28	mg/Kg	☼	05/01/12 16:15	05/02/12 10:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctadecane	*86*		*50 - 150*	*05/01/12 16:15*	*05/02/12 10:56*	*1*

Client Sample ID: VOC02-E-7'
Date Collected: 04/25/12 15:05
Date Received: 04/27/12 13:45

Lab Sample ID: 250-2279-4
Matrix: Solid
Percent Solids: 85.4

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		15	15	mg/Kg	☼	05/01/12 16:15	05/02/12 11:14	1
RRO (nC25-nC36)	ND		29	29	mg/Kg	☼	05/01/12 16:15	05/02/12 11:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctadecane	*91*		*50 - 150*	*05/01/12 16:15*	*05/02/12 11:14*	*1*

Client Sample ID: VOC02-NE-7'
Date Collected: 04/25/12 15:10
Date Received: 04/27/12 13:45

Lab Sample ID: 250-2279-5
Matrix: Solid
Percent Solids: 84.8

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		15	15	mg/Kg	☼	05/01/12 16:15	05/02/12 11:32	1
RRO (nC25-nC36)	ND		29	29	mg/Kg	☼	05/01/12 16:15	05/02/12 11:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctadecane	*84*		*50 - 150*	*05/01/12 16:15*	*05/02/12 11:32*	*1*

Client Sample ID: VOC02-NE6-7.5'
Date Collected: 04/25/12 15:15
Date Received: 04/27/12 13:45

Lab Sample ID: 250-2279-6
Matrix: Solid
Percent Solids: 86.0

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		14	14	mg/Kg	☼	05/01/12 16:15	05/02/12 11:50	1
RRO (nC25-nC36)	ND		29	29	mg/Kg	☼	05/01/12 16:15	05/02/12 11:50	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctadecane	80		50 - 150	05/01/12 16:15	05/02/12 11:50	1

General Chemistry

Client Sample ID: VOC02-SWDISP-7' — **Lab Sample ID: 250-2279-1**
Date Collected: 04/25/12 15:00 — **Matrix: Solid**
Date Received: 04/27/12 13:45

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		0.010	0.010	%			05/01/12 12:39	1
Percent Solids	81		0.010	0.010	%			05/01/12 12:39	1

Client Sample ID: VOC02-NEDISP-7' — **Lab Sample ID: 250-2279-2**
Date Collected: 04/25/12 15:00 — **Matrix: Solid**
Date Received: 04/27/12 13:45

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		0.010	0.010	%			05/01/12 12:39	1
Percent Solids	84		0.010	0.010	%			05/01/12 12:39	1

Client Sample ID: VOC02-SE-7' — **Lab Sample ID: 250-2279-3**
Date Collected: 04/25/12 15:00 — **Matrix: Solid**
Date Received: 04/27/12 13:45

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		0.010	0.010	%			05/01/12 12:39	1
Percent Solids	89		0.010	0.010	%			05/01/12 12:39	1

Client Sample ID: VOC02-E-7' — **Lab Sample ID: 250-2279-4**
Date Collected: 04/25/12 15:05 — **Matrix: Solid**
Date Received: 04/27/12 13:45

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		0.010	0.010	%			05/01/12 12:39	1
Percent Solids	85		0.010	0.010	%			05/01/12 12:39	1

Client Sample ID: VOC02-NE-7' — **Lab Sample ID: 250-2279-5**
Date Collected: 04/25/12 15:10 — **Matrix: Solid**
Date Received: 04/27/12 13:45

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		0.010	0.010	%			05/01/12 12:39	1
Percent Solids	85		0.010	0.010	%			05/01/12 12:39	1

Client Sample ID: VOC02-NE6-7.5' — **Lab Sample ID: 250-2279-6**
Date Collected: 04/25/12 15:15 — **Matrix: Solid**
Date Received: 04/27/12 13:45

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		0.010	0.010	%			05/01/12 12:39	1
Percent Solids	86		0.010	0.010	%			05/01/12 12:39	1

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

Lab Sample ID: MB 250-4430/1-A
Matrix: Solid
Analysis Batch: 4459

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4430

Analyte	MB Result	MB Qualifier	MDL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		58	58	ug/Kg		05/01/12 18:04	05/02/12 11:54	1
Benzene	ND		20	20	ug/Kg		05/01/12 18:04	05/02/12 11:54	1
Ethylbenzene	ND		18	18	ug/Kg		05/01/12 18:04	05/02/12 11:54	1
Toluene	ND		15	15	ug/Kg		05/01/12 18:04	05/02/12 11:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 125*	*05/01/12 18:04*	*05/02/12 11:54*	*1*
4-Bromofluorobenzene (Surr)	*100*		*75 - 125*	*05/01/12 18:04*	*05/02/12 11:54*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 125*	*05/01/12 18:04*	*05/02/12 11:54*	*1*
Toluene-d8 (Surr)	*102*		*75 - 125*	*05/01/12 18:04*	*05/02/12 11:54*	*1*

Lab Sample ID: LCS 250-4430/2-A
Matrix: Solid
Analysis Batch: 4459

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4430

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Xylenes, Total	5930	6580		ug/Kg		111	70 - 130
Benzene	1980	2350		ug/Kg		119	80 - 120
Ethylbenzene	1980	2170		ug/Kg		110	80 - 125
Toluene	1980	2320		ug/Kg		118	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 125*
4-Bromofluorobenzene (Surr)	*93*		*75 - 125*
Dibromofluoromethane (Surr)	*102*		*75 - 125*
Toluene-d8 (Surr)	*104*		*75 - 125*

Lab Sample ID: 250-2319-B-1-A MS
Matrix: Solid
Analysis Batch: 4459

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 4430

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Xylenes, Total	270		6700	7420		ug/Kg	☼	107	70 - 130
Benzene	ND		2230	2680		ug/Kg	☼	120	80 - 125
Ethylbenzene	60		2230	2510		ug/Kg	☼	109	80 - 125
Toluene	100		2230	2750		ug/Kg	☼	119	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 125*
4-Bromofluorobenzene (Surr)	*94*		*75 - 125*
Dibromofluoromethane (Surr)	*103*		*75 - 125*
Toluene-d8 (Surr)	*103*		*75 - 125*

Lab Sample ID: 250-2319-B-1-B MSD
Matrix: Solid
Analysis Batch: 4459

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 4430

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, Total	270		6760	7780		ug/Kg	☼	111	70 - 130	5	25

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

Lab Sample ID: 250-2319-B-1-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 4459 — **Prep Batch: 4430**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		2250	2750		ug/Kg	☼	122	80 - 125	2	25
Ethylbenzene	60		2250	2620		ug/Kg	☼	114	80 - 125	4	25
Toluene	100		2250	2870		ug/Kg	☼	123	70 - 130	4	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 125*
4-Bromofluorobenzene (Surr)	*96*		*75 - 125*
Dibromofluoromethane (Surr)	*103*		*75 - 125*
Toluene-d8 (Surr)	*106*		*75 - 125*

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

Lab Sample ID: MB 250-4393/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 4509 — **Prep Batch: 4393**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons	ND		3700	1200	ug/Kg		05/01/12 11:16	05/02/12 10:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid)	*103*		*50 - 150*	*05/01/12 11:16*	*05/02/12 10:02*	*1*

Lab Sample ID: LCS 250-4393/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 4509 — **Prep Batch: 4393**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Hydrocarbons			23200	26000		ug/Kg		112	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene (fid)	*107*		*50 - 150*

Lab Sample ID: 250-2279-2 MS — **Client Sample ID: VOC02-NEDISP-7'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 4509 — **Prep Batch: 4393**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Hydrocarbons	ND		29200	30300		ug/Kg	☼	104	65 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
a,a,a-Trifluorotoluene (fid)	*100*		*50 - 150*

Lab Sample ID: 250-2279-1 DU — **Client Sample ID: VOC02-SWDISP-7'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 4509 — **Prep Batch: 4393**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Gasoline Range Hydrocarbons	ND			2090	J	ug/Kg	☼			NC	40

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

Lab Sample ID: 250-2279-1 DU
Matrix: Solid
Analysis Batch: 4509

Client Sample ID: VOC02-SWDISP-7'
Prep Type: Total/NA
Prep Batch: 4393

Surrogate	DU %Recovery	DU Qualifier	Limits
a,a,a-Trifluorotoluene (fid)	93		50 - 150

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

Lab Sample ID: MB 250-4423/1-A
Matrix: Solid
Analysis Batch: 4440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4423

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		12	12	mg/Kg		05/01/12 16:15	05/02/12 07:59	1
RRO (nC25-nC36)	ND		25	25	mg/Kg		05/01/12 16:15	05/02/12 07:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctadecane	91		50 - 150	05/01/12 16:15	05/02/12 07:59	1

Lab Sample ID: LCS 250-4423/2-A
Matrix: Solid
Analysis Batch: 4440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4423

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
DRO (C10-C25)	124	119		mg/Kg		96	50 - 150
RRO (nC25-nC36)	74.4	69.0		mg/Kg		93	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctadecane	87		50 - 150

Lab Sample ID: 250-2279-1 DU
Matrix: Solid
Analysis Batch: 4440

Client Sample ID: VOC02-SWDISP-7'
Prep Type: Total/NA
Prep Batch: 4423

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
DRO (C10-C25)	ND		ND		mg/Kg	☼	NC	40
RRO (nC25-nC36)	ND		ND		mg/Kg	☼	NC	40

Surrogate	DU %Recovery	DU Qualifier	Limits
1-Chlorooctadecane	73		50 - 150

Method: D2216-80 - Percent Dry Weight (Solids) per ASTM D2216-80

Lab Sample ID: 250-2279-6 DU
Matrix: Solid
Analysis Batch: 4407

Client Sample ID: VOC02-NE6-7.5'
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	14		16		%		14	20
Percent Solids	86		84		%		3	20

Certification Summary

Client: BB&A Environmental
Project/Site: L&C Deli

TestAmerica Job ID: 250-2279-1
SDG: VOC02DEC.12.UC

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Portland	Alaska	State Program	10	OR00040
TestAmerica Portland	Alaska (UST)	State Program	10	UST-012
TestAmerica Portland	California	State Program	9	2597
TestAmerica Portland	Oregon	NELAC	10	OR100021
TestAmerica Portland	USDA	Federal		P330-11-00092
TestAmerica Portland	Washington	State Program	10	C586

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244
11922 E. First Ave, Spokane, WA 99206-5302
9405 SW Nimbus Ave,Beaverton, OR 97008-7145
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119

Loc: 250
2279

-9210
-9290
-9210
-9210

CHAIN OF CUSTODY REPORT

Work Order #:

CLIENT: BBEA ENVIRONMENTAL

REPORT TO: 25195 SW PARKWAY AVE #207
ADDRESS: WILSONVILLE OR 97070

PHONE: 503.570-9484 FAX:

INVOICE TO:

P.O. NUMBER:

PROJECT NAME: LEC DELI

PROJECT NUMBER: VOC02 DEC 12UC

SAMPLED BY: STEVE ONO

TURNAROUND REQUEST
in Business Days *
Organic & Inorganic Analyses: [10] STD. [7] [5] [4] [3] [2] [1] [<1]
Petroleum Hydrocarbon Analyses: [5] STD. [4] [3] [2] [1] [<1]
[OTHER] Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE: NaOH/Zn Ac	PRESERVATIVE: NaOH/Ascorbic	REQUESTED ANALYSES	MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
1	VOC02-SWDISP-7'	4/25/12 15:00	✓	✓		S	1		
2	VOC02-NEDISP-7'	15:00	✓	✓		S	1		
3	VOC02-SE-7'	15:00	✓	✓		S	1		
4	VOC02-E-7'	15:05	✓	✓		S	1		
5	VOC02-NE-7'	15:10	✓	✓		S	1		
6	VOC02-NE6-7.5'	15:15	✓	✓		S	1		
7									
8									
9									
10									

RELEASED BY: [signature] DATE: 4/27/12
PRINT NAME: STEPHEN ONO FIRM: BBEA TIME: 13:00

RECEIVED BY: WSW 36 DATE: 4/27
PRINT NAME: Wm Williamson FIRM: Senvoy TIME: 1300

RELEASED BY: WSW 36 DATE: 4/27
PRINT NAME: Wm Williamson FIRM: Senvoy TIME: 1548

RECEIVED BY: [signature] DATE: 4/27/12
PRINT NAME: PHIL SUABIK-SERA FIRM: TAP TIME: 1548

ADDITIONAL REMARKS:
CALL / EMAIL DRAFT RESULTS for ADDITIONAL ANALYSES

TEMP: 4.8

PAGE OF

TAL-1000(0408)

5/8/2012

Login Sample Receipt Checklist

Client: BB&A Environmental

Job Number: 250-2279-1
SDG Number: VOC02DEC.12.UC

Login Number: 2279
List Number: 1
Creator: Svabik-Seror, Philip

List Source: TestAmerica Portland

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Portland
9405 SW Nimbus Ave.
Beaverton, OR 97008
Tel: (503)906-9200

TestAmerica Job ID: 250-2617-1
TestAmerica Sample Delivery Group: VOC02DEC.12UC
Client Project/Site: L&C Deli

For:
BB&A Environmental
25195 SW Parkway Ave
Suite # 207
Wilsonville, Oregon 97070

Attn: Steve Omo

Vanessa Frahs

Authorized for release by:
5/24/2012 2:06:18 PM

Vanessa Frahs
Project Manager I
vanessa.frahs@testamericainc.com

LINKS

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Table of Contents

Sample Summary

Client: BB&A Environmental
Project/Site: L&C Deli

TestAmerica Job ID: 250-2617-1
SDG: VOC02DEC.12UC

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
250-2617-1	VOC02-P11-GW	Water	05/08/12 10:00	05/08/12 15:55
250-2617-2	VOC02-P12-GW	Water	05/08/12 10:30	05/08/12 15:55

Job ID: 250-2617-1

Laboratory: TestAmerica Portland

Narrative

Receipt
The samples were received on 5/8/2012 3:55 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.5° C.

GC/MS VOA
No analytical or quality issues were noted.

GC VOA
Method(s) NWTPH-Gx: Only one Duplicate sample was analyzed for these 11 samples due to insufficient volume.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) NWTPH-Dx: Detected hydrocarbons appear to be due to weathered diesel.VOC02-P11-GW (250-2617-1), VOC02-P12-GW (250-2617-2)

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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

Client Sample ID: VOC02-P11-GW
Date Collected: 05/08/12 10:00
Date Received: 05/08/12 15:55

Lab Sample ID: 250-2617-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		3.0	0.31	ug/L			05/12/12 18:13	1
Benzene	ND		1.0	0.060	ug/L			05/12/12 18:13	1
Ethylbenzene	ND		1.0	0.080	ug/L			05/12/12 18:13	1
Toluene	ND		1.0	0.090	ug/L			05/12/12 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/12/12 18:13*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/12/12 18:13*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*05/12/12 18:13*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/12/12 18:13*	*1*

Client Sample ID: VOC02-P12-GW
Date Collected: 05/08/12 10:30
Date Received: 05/08/12 15:55

Lab Sample ID: 250-2617-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	1.9	J	3.0	0.31	ug/L			05/12/12 18:35	1
Benzene	0.63	J	1.0	0.060	ug/L			05/12/12 18:35	1
Ethylbenzene	0.20	J	1.0	0.080	ug/L			05/12/12 18:35	1
Toluene	0.33	J	1.0	0.090	ug/L			05/12/12 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*05/12/12 18:35*	*1*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*		*05/12/12 18:35*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*05/12/12 18:35*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/12/12 18:35*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Client Sample ID: VOC02-P12-GW
Date Collected: 05/08/12 10:30
Date Received: 05/08/12 15:55

Lab Sample ID: 250-2617-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.053	J H	0.095	0.048	ug/L		05/18/12 12:54	05/22/12 16:55	1
Acenaphthylene	ND	H	0.095	0.048	ug/L		05/18/12 12:54	05/22/12 16:55	1
Anthracene	ND	H	0.095	0.048	ug/L		05/18/12 12:54	05/22/12 16:55	1
Benzo[a]anthracene	ND	H	0.095	0.048	ug/L		05/18/12 12:54	05/22/12 16:55	1
Benzo[a]pyrene	ND	H	0.095	0.048	ug/L		05/18/12 12:54	05/22/12 16:55	1
Benzo[b]fluoranthene	ND	H	0.095	0.048	ug/L		05/18/12 12:54	05/22/12 16:55	1
Benzo[g,h,i]perylene	ND	H	0.095	0.048	ug/L		05/18/12 12:54	05/22/12 16:55	1
Benzo[k]fluoranthene	ND	H	0.095	0.048	ug/L		05/18/12 12:54	05/22/12 16:55	1
Chrysene	ND	H	0.095	0.048	ug/L		05/18/12 12:54	05/22/12 16:55	1
Dibenz(a,h)anthracene	ND	H	0.19	0.095	ug/L		05/18/12 12:54	05/22/12 16:55	1
Fluoranthene	ND	H	0.095	0.048	ug/L		05/18/12 12:54	05/22/12 16:55	1
Fluorene	0.18	H	0.095	0.048	ug/L		05/18/12 12:54	05/22/12 16:55	1
Indeno[1,2,3-cd]pyrene	ND	H	0.095	0.048	ug/L		05/18/12 12:54	05/22/12 16:55	1
Naphthalene	0.15	H	0.095	0.048	ug/L		05/18/12 12:54	05/22/12 16:55	1
Phenanthrene	0.16	H	0.095	0.048	ug/L		05/18/12 12:54	05/22/12 16:55	1
Pyrene	ND	H	0.095	0.048	ug/L		05/18/12 12:54	05/22/12 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Fluorene-d10 (Surr)	*86*		*25 - 125*	*05/18/12 12:54*	*05/22/12 16:55*	*1*
Pyrene-d10 (Surr)	*80*		*25 - 150*	*05/18/12 12:54*	*05/22/12 16:55*	*1*
Benzo(a)pyrene-d12 (Surr)	*87*		*10 - 125*	*05/18/12 12:54*	*05/22/12 16:55*	*1*

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

Client Sample ID: VOC02-P11-GW
Date Collected: 05/08/12 10:00
Date Received: 05/08/12 15:55

Lab Sample ID: 250-2617-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons	ND		80	33	ug/L			05/12/12 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*50 - 150*		*05/12/12 18:19*	*1*

Client Sample ID: VOC02-P12-GW
Date Collected: 05/08/12 10:30
Date Received: 05/08/12 15:55

Lab Sample ID: 250-2617-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons	87		80	33	ug/L			05/12/12 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*50 - 150*		*05/12/12 18:49*	*1*

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

Client Sample ID: VOC02-P11-GW
Date Collected: 05/08/12 10:00
Date Received: 05/08/12 15:55

Lab Sample ID: 250-2617-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	0.080	J	0.094	0.028	mg/L		05/10/12 09:25	05/10/12 16:31	1
RRO (nC25-nC36)	ND		0.47	0.038	mg/L		05/10/12 09:25	05/10/12 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctadecane	*60*		*50 - 150*	*05/10/12 09:25*	*05/10/12 16:31*	*1*

Client Sample ID: VOC02-P12-GW
Date Collected: 05/08/12 10:30
Date Received: 05/08/12 15:55

Lab Sample ID: 250-2617-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	0.51		0.094	0.028	mg/L		05/10/12 09:25	05/10/12 16:49	1
RRO (nC25-nC36)	0.050	J	0.47	0.038	mg/L		05/10/12 09:25	05/10/12 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctadecane	*57*		*50 - 150*	*05/10/12 09:25*	*05/10/12 16:49*	*1*

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

Lab Sample ID: MB 250-4923/7
Matrix: Water
Analysis Batch: 4923

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		3.0	0.31	ug/L			05/12/12 14:27	1
Benzene	ND		1.0	0.060	ug/L			05/12/12 14:27	1
Ethylbenzene	ND		1.0	0.080	ug/L			05/12/12 14:27	1
Toluene	ND		1.0	0.090	ug/L			05/12/12 14:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*05/12/12 14:27*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*05/12/12 14:27*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*05/12/12 14:27*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*05/12/12 14:27*	*1*

Lab Sample ID: LCS 250-4923/4
Matrix: Water
Analysis Batch: 4923

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Xylenes, Total	60.0	56.3		ug/L		94	80 - 135
Benzene	20.0	17.3		ug/L		86	80 - 120
Ethylbenzene	20.0	18.4		ug/L		92	80 - 120
Toluene	20.0	18.0		ug/L		90	80 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*107*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 250-4923/5
Matrix: Water
Analysis Batch: 4923

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
Xylenes, Total	60.0	57.7		ug/L		96	80 - 135	2	25
Benzene	20.0	17.3		ug/L		87	80 - 120	0	25
Ethylbenzene	20.0	18.8		ug/L		94	80 - 120	2	25
Toluene	20.0	17.8		ug/L		89	80 - 125	1	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 250-2676-F-1 MS
Matrix: Water
Analysis Batch: 4923

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Xylenes, Total	ND		60.0	62.9		ug/L		105	70 - 130

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

Lab Sample ID: 250-2676-F-1 MS
Matrix: Water
Analysis Batch: 4923

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		20.0	20.0		ug/L		100	80 - 125
Ethylbenzene	ND		20.0	21.1		ug/L		105	80 - 125
Toluene	ND		20.0	20.7		ug/L		104	75 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: 250-2676-G-1 MSD
Matrix: Water
Analysis Batch: 4923

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, Total	ND		60.0	62.1		ug/L		104	70 - 130	1	25
Benzene	ND		20.0	19.9		ug/L		99	80 - 125	1	25
Ethylbenzene	ND		20.0	20.5		ug/L		102	80 - 125	3	25
Toluene	ND		20.0	20.6		ug/L		103	75 - 135	0	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 250-5150/1-A
Matrix: Water
Analysis Batch: 5334

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5150

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.10	0.050	ug/L		05/18/12 09:00	05/22/12 11:11	1
Acenaphthylene	ND		0.10	0.050	ug/L		05/18/12 09:00	05/22/12 11:11	1
Anthracene	ND		0.10	0.050	ug/L		05/18/12 09:00	05/22/12 11:11	1
Benzo[a]anthracene	ND		0.10	0.050	ug/L		05/18/12 09:00	05/22/12 11:11	1
Benzo[a]pyrene	ND		0.10	0.050	ug/L		05/18/12 09:00	05/22/12 11:11	1
Benzo[b]fluoranthene	ND		0.10	0.050	ug/L		05/18/12 09:00	05/22/12 11:11	1
Benzo[g,h,i]perylene	ND		0.10	0.050	ug/L		05/18/12 09:00	05/22/12 11:11	1
Benzo[k]fluoranthene	ND		0.10	0.050	ug/L		05/18/12 09:00	05/22/12 11:11	1
Chrysene	ND		0.10	0.050	ug/L		05/18/12 09:00	05/22/12 11:11	1
Dibenz(a,h)anthracene	ND		0.20	0.10	ug/L		05/18/12 09:00	05/22/12 11:11	1
Fluoranthene	ND		0.10	0.050	ug/L		05/18/12 09:00	05/22/12 11:11	1
Fluorene	ND		0.10	0.050	ug/L		05/18/12 09:00	05/22/12 11:11	1
Indeno[1,2,3-cd]pyrene	ND		0.10	0.050	ug/L		05/18/12 09:00	05/22/12 11:11	1
Naphthalene	ND		0.10	0.050	ug/L		05/18/12 09:00	05/22/12 11:11	1
Phenanthrene	ND		0.10	0.050	ug/L		05/18/12 09:00	05/22/12 11:11	1
Pyrene	ND		0.10	0.050	ug/L		05/18/12 09:00	05/22/12 11:11	1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 250-5150/1-A
Matrix: Water
Analysis Batch: 5334

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5150

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Fluorene-d10 (Surr)	93		25 - 125	05/18/12 09:00	05/22/12 11:11	1
Pyrene-d10 (Surr)	85		25 - 150	05/18/12 09:00	05/22/12 11:11	1
Benzo(a)pyrene-d12 (Surr)	93		10 - 125	05/18/12 09:00	05/22/12 11:11	1

Lab Sample ID: LCS 250-5150/2-A
Matrix: Water
Analysis Batch: 5334

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	2.50	2.30		ug/L		92	25 - 135
Acenaphthylene	2.50	2.30		ug/L		92	30 - 120
Anthracene	2.50	2.38		ug/L		95	30 - 120
Benzo[a]anthracene	2.50	2.31		ug/L		92	35 - 130
Benzo[a]pyrene	2.50	2.32		ug/L		93	40 - 135
Benzo[b]fluoranthene	2.50	2.36		ug/L		94	35 - 130
Benzo[g,h,i]perylene	2.50	2.35		ug/L		94	30 - 125
Benzo[k]fluoranthene	2.50	2.50		ug/L		100	30 - 145
Chrysene	2.50	2.31		ug/L		92	30 - 135
Dibenz(a,h)anthracene	2.50	2.38		ug/L		95	30 - 140
Fluoranthene	2.50	2.34		ug/L		94	30 - 125
Fluorene	2.50	2.36		ug/L		94	30 - 125
Indeno[1,2,3-cd]pyrene	2.50	2.36		ug/L		94	30 - 135
Naphthalene	2.50	2.32		ug/L		93	30 - 115
Phenanthrene	2.50	2.39		ug/L		96	35 - 125
Pyrene	2.50	2.39		ug/L		96	35 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Fluorene-d10 (Surr)	92		25 - 125
Pyrene-d10 (Surr)	80		25 - 150
Benzo(a)pyrene-d12 (Surr)	90		10 - 125

Lab Sample ID: LCSD 250-5150/3-A
Matrix: Water
Analysis Batch: 5334

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5150

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	2.50	2.14		ug/L		86	25 - 135	7	35
Acenaphthylene	2.50	2.12		ug/L		85	30 - 120	8	35
Anthracene	2.50	2.20		ug/L		88	30 - 120	8	35
Benzo[a]anthracene	2.50	2.13		ug/L		85	35 - 130	8	35
Benzo[a]pyrene	2.50	2.13		ug/L		85	40 - 135	8	35
Benzo[b]fluoranthene	2.50	2.18		ug/L		87	35 - 130	8	35
Benzo[g,h,i]perylene	2.50	2.14		ug/L		86	30 - 125	9	35
Benzo[k]fluoranthene	2.50	2.36		ug/L		94	30 - 145	6	35
Chrysene	2.50	2.16		ug/L		86	30 - 135	7	35
Dibenz(a,h)anthracene	2.50	2.16		ug/L		87	30 - 140	10	35
Fluoranthene	2.50	2.17		ug/L		87	30 - 125	8	35
Fluorene	2.50	2.18		ug/L		87	30 - 125	8	35
Indeno[1,2,3-cd]pyrene	2.50	2.18		ug/L		87	30 - 135	8	35

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 250-5150/3-A
Matrix: Water
Analysis Batch: 5334

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5150

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene			2.50	2.13		ug/L		85	30 - 115	8	35
Phenanthrene			2.50	2.22		ug/L		89	35 - 125	7	35
Pyrene			2.50	2.24		ug/L		89	35 - 135	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Fluorene-d10 (Surr)	*85*		*25 - 125*
Pyrene-d10 (Surr)	*75*		*25 - 150*
Benzo(a)pyrene-d12 (Surr)	*83*		*10 - 125*

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

Lab Sample ID: MB 250-4910/5
Matrix: Water
Analysis Batch: 4910

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons	ND		80	33	ug/L			05/12/12 15:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*50 - 150*		*05/12/12 15:14*	*1*

Lab Sample ID: LCS 250-4910/3
Matrix: Water
Analysis Batch: 4910

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Hydrocarbons			500	629		ug/L		126	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*50 - 150*

Lab Sample ID: LCSD 250-4910/4
Matrix: Water
Analysis Batch: 4910

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 Range Hydrocarbons			500	620		ug/L		124	70 - 130	1	40

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

Lab Sample ID: 250-2617-2 MS
Matrix: Water
Analysis Batch: 4910

Client Sample ID: VOC02-P12-GW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Hydrocarbons	87		500	648		ug/L		112	70 - 130		

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

Lab Sample ID: 250-2617-2 MS
Matrix: Water
Analysis Batch: 4910

Client Sample ID: VOC02-P12-GW
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		50 - 150

Lab Sample ID: 250-2617-1 DU
Matrix: Water
Analysis Batch: 4910

Client Sample ID: VOC02-P11-GW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Gasoline Range Hydrocarbons	ND			33.6	J	ug/L				NC	40

Surrogate	DU %Recovery	DU Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		50 - 150

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

Lab Sample ID: MB 250-4789/1-A
Matrix: Water
Analysis Batch: 4816

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4789

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		0.10	0.030	mg/L		05/10/12 09:25	05/10/12 11:58	1
RRO (nC25-nC36)	ND		0.50	0.040	mg/L		05/10/12 09:25	05/10/12 11:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctadecane	74		50 - 150	05/10/12 09:25	05/10/12 11:58	1

Lab Sample ID: LCS 250-4789/2-A
Matrix: Water
Analysis Batch: 4816

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4789

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
DRO (C10-C25)			2.50	1.90		mg/L		76	50 - 150		
RRO (nC25-nC36)			1.50	1.08		mg/L		72	50 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctadecane	80		50 - 150

Lab Sample ID: LCSD 250-4789/3-A
Matrix: Water
Analysis Batch: 4816

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4789

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
DRO (C10-C25)			2.50	2.03		mg/L		81	50 - 150	6	20
RRO (nC25-nC36)			1.50	1.15		mg/L		77	50 - 150	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctadecane	78		50 - 150

GC/MS VOA

Analysis Batch: 4923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-2617-1	VOC02-P11-GW	Total/NA	Water	8260B	
250-2617-2	VOC02-P12-GW	Total/NA	Water	8260B	
250-2676-F-1 MS	Matrix Spike	Total/NA	Water	8260B	
250-2676-G-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 250-4923/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 250-4923/5	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 250-4923/7	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 5150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-2617-2	VOC02-P12-GW	Total/NA	Water	3520C	
LCS 250-5150/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 250-5150/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 250-5150/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 5334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-2617-2	VOC02-P12-GW	Total/NA	Water	8270C SIM	5150
LCS 250-5150/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	5150
LCSD 250-5150/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	5150
MB 250-5150/1-A	Method Blank	Total/NA	Water	8270C SIM	5150

GC VOA

Analysis Batch: 4910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-2617-1	VOC02-P11-GW	Total/NA	Water	NWTPH-Gx	
250-2617-1 DU	VOC02-P11-GW	Total/NA	Water	NWTPH-Gx	
250-2617-2	VOC02-P12-GW	Total/NA	Water	NWTPH-Gx	
250-2617-2 MS	VOC02-P12-GW	Total/NA	Water	NWTPH-Gx	
LCS 250-4910/3	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 250-4910/4	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
MB 250-4910/5	Method Blank	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 4789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-2617-1	VOC02-P11-GW	Total/NA	Water	3510C	
250-2617-2	VOC02-P12-GW	Total/NA	Water	3510C	
LCS 250-4789/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 250-4789/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 250-4789/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 4816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-2617-1	VOC02-P11-GW	Total/NA	Water	NWTPH-Dx	4789
250-2617-2	VOC02-P12-GW	Total/NA	Water	NWTPH-Dx	4789
LCS 250-4789/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	4789

GC Semi VOA (Continued)

Analysis Batch: 4816 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 250-4789/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	4789
MB 250-4789/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	4789

Certification Summary

Client: BB&A Environmental
Project/Site: L&C Deli

TestAmerica Job ID: 250-2617-1
SDG: VOC02DEC.12UC

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Portland	Alaska	State Program	10	OR00040
TestAmerica Portland	Alaska (UST)	State Program	10	UST-012
TestAmerica Portland	California	State Program	9	2597
TestAmerica Portland	Oregon	NELAC	10	OR100021
TestAmerica Portland	USDA	Federal		P330-11-00092
TestAmerica Portland	Washington	State Program	10	C586

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: BB&A Environmental
Project/Site: L&C Deli

TestAmerica Job ID: 250-2617-1
SDG: VOC02DEC.12UC

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PRT
8270C SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL PRT
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC)	NWTPH	TAL PRT
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL PRT

Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PRT = TestAmerica Portland, 9405 SW Nimbus Ave., Beaverton, OR 97008, TEL (503)906-9200

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244
11922 E. First Ave, Spokane, WA 99206-5302
9405 SW Nimbus Ave,Beaverton, OR 97008-7145
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119

Loc: 250 2617

CHAIN OF CUSTODY REPORT

Work Order #:

CLIENT: BBEA ENVIRONMENTAL

REPORT TO: 25195 SW PARKWAY AVE #207
ADDRESS: WILSONVILLE OR 97070

PHONE: 503 570 9484 FAX:

INVOICE TO: RON Bergeson

P.O. NUMBER:

PROJECT NAME: L&C DELI

PROJECT NUMBER: VOC02DEC.12UC

SAMPLED BY: STEVE OMO

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses: 10 STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1

Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | <1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE	NWTPH DX	NWTPH GX + BTEX	PAHs	VPH	EPH	MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
1	VOC02-P11-GW	5/8/12 10:30		✓	✓				W	8		
2	VOC02-P12-GW	" 10:30		✓	✓				W	8		
3												
4												
5												
6												
7												
8												
9												
10												

REQUESTED ANALYSES

RELEASED BY: [signature] DATE: 5/8/12
PRINT NAME: STEPHEN OMO FIRM: BBEA TIME:

RECEIVED BY: DATE: 5/8/12
PRINT NAME: Steve Fahlman FIRM: Seniv TIME: 3:33

RELEASED BY: [signature] DATE: 5/8/12
PRINT NAME: [signature] FIRM: Seniv TIME: 3:51

RECEIVED BY: [signature] DATE:
PRINT NAME: [signature] FIRM: " TIME:

ADDITIONAL REMARKS: SAMPLE #2 MAY NEED PAH / VPH / EPH ANALYSIS - CONSERVE SAMPLE VOLUME (IF Possible)

TEMP: 5.5°C PAGE 1 OF 1

TAL-1000(0408)

Quick TAT 5/8/12 1555

IH | G | GL

Page 19 of 20

5/24/2012

Login Sample Receipt Checklist

Client: BB&A Environmental

Job Number: 250-2617-1
SDG Number: VOC02DEC.12UC

Login Number: 2617
List Number: 1
Creator: Svabik-Seror, Philip

List Source: TestAmerica Portland

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

ATTACHMENT D

UST Decommissioning Checklists and Forms

DEPARTMENT OF ECOLOGY -- TOXICS CLEANUP PROGRAM
INTEGRATED SITE INFORMATION SYSTEM
UST SITE/TANK DATA SUMMARY AS OF 06/29/2011

UST SITE INFORMATION

SITE ID: 7176 **SITE TAG # : A1061**

VISTA MART
13912 NE 20TH AVE
VANCOUVER, WA 98686

PHONE # : (360) 573-0338 **UBI:** 601-120-281 001 0001

FACILITY SITE INFORMATION

FACILITY SITE ID: 92816657

VISTA MART
13912 NE 20TH AVE
VANCOUVER, WA 98686

LATITUDE/LONGITUDE: 45° 43' 15.304"/-122° 39' 7.66440

SITE COMMENTS

9/25/09/gj-received Notice putting tanks into temporary closure.***11/17/99 CDR INSTALLING CATH PRO. 10/10/99 CDR REC'D TIGHTNESS TEST - PASS. 6/15/99 CDR/NS COMP VISIT - ISSUE NOC FOR NOT HAVING UST & LINE TIGHTNESS, COMPLETE INVENTORY, ANNUAL LINE LEAK TESTING RECORDS. ASKED FOR COR PRO VERIFICATION. RESOLVE NOC BY JULY 15, 1999. 5/2/98 SS/RE-ENTER INFORMATION FROM PRIME. TANKS MEET 1998 STANDARDS.

TANK: 1. **STATUS:** Temporarily Closed **STATUS DT:** 9/25/2009 **INSTALL DT:** 8/25/1992 **UPGRADE DT:** 5/2/1998 **PERMIT EXPIRATION DT** 4/30/2011 **PERMANENTLY CLOSED DT**

	TANK	PIPING
MATERIAL:	Coated Steel	Fiberglass
CONSTRUCTION:	Single Wall Tank	Double Wall Pipe
PRIMARY REL DETECT:	Weekly Manual Gauging	Automatic Line Leak Detection
SECOND REL DETECT:		
TIGHTNESS TEST:	Annual	Annual
CORROSION PROTECTION:	Impressed Current	Corrosion Resistant

CAPACITY RANGE: 10,000 to 19,999 Gallons
PUMP SYSTEM: Pressurized System
SPILL PREVENTION: Spill Bucket/Spill Box
OVERFILL PREVENT: Ball Float Valve (vent line)

COMPARTMENT #	SUBSTANCE STORED	SUBSTANCE USED	ACTUAL CAPACITY
1	Unleaded Gasoline	Motor Fuel for Vehicles	12000

TANK: 2. **STATUS:** Temporarily Closed **STATUS DT:** 9/25/2009 **INSTALL DT:** 8/25/1992 **UPGRADE DT:** 5/2/1998 **PERMIT EXPIRATION DT** 4/30/2011 **PERMANENTLY CLOSED DT**

	TANK	PIPING
MATERIAL:	Coated Steel	Fiberglass
CONSTRUCTION:	Single Wall Tank	Double Wall Pipe
PRIMARY REL DETECT:	Weekly Manual Gauging	Automatic Line Leak Detection
SECOND REL DETECT:		
TIGHTNESS TEST:	Annual	Annual
CORROSION PROTECTION:	Impressed Current	Corrosion Resistant

CAPACITY RANGE: 10,000 to 19,999 Gallons
PUMP SYSTEM: Pressurized System
SPILL PREVENTION: Spill Bucket/Spill Box
OVERFILL PREVENT: Ball Float Valve (vent line)

COMPARTMENT #	SUBSTANCE STORED	SUBSTANCE USED	ACTUAL CAPACITY
1	Unleaded Gasoline	Motor Fuel for Vehicles	12000

TANK: 3. **STATUS:** Temporarily Closed **STATUS DT:** 9/25/2009 **INSTALL DT:** 8/25/1992 **UPGRADE DT:** 5/2/1998 **PERMIT EXPIRATION DT** 4/30/2011 **PERMANENTLY CLOSED DT**

	TANK	PIPING
MATERIAL:	Coated Steel	Fiberglass
CONSTRUCTION:	Single Wall Tank	Single Wall Pipe
PRIMARY REL DETECT:	Weekly Manual Gauging	Automatic Line Leak Detection
SECOND REL DETECT:		
TIGHTNESS TEST:	Annual	Annual
CORROSION PROTECTION:	Impressed Current	Corrosion Resistant

CAPACITY RANGE: 10,000 to 19,999 Gallons
PUMP SYSTEM: Pressurized System
SPILL PREVENTION: Spill Bucket/Spill Box
OVERFILL PREVENT: Ball Float Valve (vent line)

COMPARTMENT #	SUBSTANCE STORED	SUBSTANCE USED	ACTUAL CAPACITY
1	Leaded Gasoline	Motor Fuel for Vehicles	12000

VOC@2DEC. 12UC

FOR OFFICE USE ONLY

Site ID #: _____

Facility Site ID #: _____

UNDERGROUND STORAGE TANK
Closure and Site Assessment Notice

See back of form for instructions

Please ✓ the appropriate box(es)

☐ Temporary Tank Closure ☐ Change-In-Service ☑ Permanent Tank Closure ☐ Site Check/Site Assessment

Site Information

Site ID Number 7176
(Available from Ecology if the tanks are registered)

Site/Business Name Vista Mart / L.L.C. Deli

Site Address 3912 NE 20th Ave

City/State Vancouver WA

Zip Code 98686 Telephone (360) 573-0138

Owner Information

UST Owner/Operator The 205 Group

Mailing Address 2151 NW 21st Place
Street

P.O. Box

City/State Ridgefield WA

Zip Code 98642 Telephone (360) 281-0897

Owners Signature _____

Tank Closure/Change-In-Service Company

Service Company BBEA Environmental

Certified Supervisor Bob Boese Decommissioning Certification No. ICC # 1089479

Supervisor's Signature Robert L. Boese Date 6-9-12

Address P.O. Box 40187
Street P.O. Box

Eugene OR 97404 Telephone (541) 484-9484
City State Zip Code

Site Check/Site Assessor

Certified Site Assessor Stephen Omo (8142160 Exp. 1/12/14) BBEA Environmental

Address P.O. Box 40187
Street P.O. Box

Eugene OR 97404 Telephone (541) 484-9484
City State Zip Code

Tank Information

Tank ID	Closure Date	Closure Method	Tank Capacity	Substance Stored
#1	4/25/12	Removed	12,000 Gal.	Premium Unl. Gas
#2	4/25/12	Removed	12,000 Gal.	Unleaded Gasoline
#3	4/26/12	Removed	12,000 Gal	Diesel

Contamination Present at the Time of Closure

☑ Yes ☐ No ☐ Unknown

Check unknown if no obvious contamination was observed and sample results have not yet been received from analytical lab.

☑ Yes ☐ No

If contamination is present, has the release been reported to the appropriate regional office?

To receive this document in an alternative format, contact the Toxics Cleanup Program at 360-407-7170 (voice) or 1-800-833-6388 OR 711 (TTY)

ECY 020-94 (Rev. 2-06)

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNDERGROUND STORAGE TANK
Closure and Site Assessment Notice

FOR OFFICE USE ONLY
Site ID #: _____
Facility Site ID #: _____

See back of form for instructions

Please ✓ the appropriate box(es)
☐ Temporary Tank Closure ☐ Change-In-Service ☑ Permanent Tank Closure ☐ Site Check/Site Assessment

Site Information

Site ID Number 7176
(Available from Ecology if the tanks are registered)
Site/Business Name Vista Mart / L&C Deli
Street
Site Address 13912 NE 20th Ave
City/State Vancouver WA
Zip Code 98686 Telephone (360) 573-0338

Owner Information

UST Owner/Operator The 205 Group
Mailing Address 2151 NW 21ST PLACE
Street
P.O. Box
City/State Ridgefield WA
Zip Code 98642 Telephone (360) 281-0897

Owners Signature _____

Tank Closure/Change-In-Service Company

Service Company BB&A Environmental
Certified Supervisor Rob Boese Decommissioning Certification No. ICC # 1089479
Supervisor's Signature _____ Date _____
Address P.O. Box 40187
Street P.O. Box
Eugene OR 97404 Telephone (541) 484-9484
City State Zip Code

Site Check/Site Assessor

Certified Site Assessor Stephen Omo (8142160 exp. 1/12/14) BB&A Environmental
Address P.O. Box 40187
Street P.O. Box
Eugene OR 97404 Telephone (541) 484-9484
City State Zip Code

Tank Information

Tank ID	Closure Date	Closure Method	Tank Capacity	Substance Stored
#1	4/25/12	Removed	12,000 Gal.	Premium Unl. Gas
#2	4/25/12	Removed	12,000 Gal.	Unleaded Gasoline
#3	4/25/12	Removed	12,000 Gal	Diesel

Contamination Present at the Time of Closure

☑ Yes ☐ No ☐ Unknown

Check unknown if no obvious contamination was observed and sample results have not yet been received from analytical lab.

☑ Yes ☐ No

If contamination is present, has the release been reported to the appropriate regional office?

To receive this document in an alternative format, contact the Toxics Cleanup Program at 360-407-7170 (voice) or 1-800-833-6388 OR 711 (TTY)

ECY 020-94 (Rev. 2-06)

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNDERGROUND STORAGE TANK
Site Check/Site Assessment Checklist

FOR OFFICE USE ONLY
Site #:_____
Facility Site ID #:_____

INSTRUCTIONS

When a release has not been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person certified by ICC or a Washington registered professional engineer who is competent, by means of examination, experience, or education, to perform site assessments. **The results of the site check or site assessment must be included with this checklist.** This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

SITE INFORMATION: Include the Ecology site ID number if the tanks are registered with Ecology. This number may be found on the tank owner's invoice or tank permit.

TANK INFORMATION: Please list all tanks for which the site check or site assessment is being conducted. Use the owner's tank ID numbers if available, and indicate tank capacity and substance stored.

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT: Please check the appropriate item.

CHECKLIST: Please initial each item in the appropriate box.

SITE ASSESSOR INFORMATION: This information must be signed by the registered site assessor who is responsible for conducting the site check/site assessment.

Underground Storage Tank Section
Department of Ecology
PO Box 47655
Olympia WA 98504-7655

SITE INFORMATION

Site ID Number (Available from Ecology if the tanks are registered): 7176
Site/Business Name: Vista Mart / L&C Deli
Site Address: 13912 NE 20th Ave (Street) Telephone: (___)_____
Vancouver (City) WA (State) 98686 (Zip Code)

TANK INFORMATION

Tank ID No.	Tank Capacity	Substance Stored
1	12,000 gal.	Premium UNL. Gasoline
2	12,000 gal.	Reg. Unleaded Gasoline
3	12,000 gal.	Diesel

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

Check one:

_____ Investigate suspected release due to on-site environmental contamination.
_____ Investigate suspected release due to off-site environmental contamination.
_____ Extend temporary closure of UST system for more than 12 months.
_____ UST system undergoing change-in-service.
__✓__ UST system permanently closed with tank removed.
_____ Abandoned tank containing product.
_____ Required by Ecology or delegated agency for UST system closed before 12/22/88.
_____ Other (describe): _____

CHECKLIST

Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.	YES	NO
1. The location of the UST site is shown on a vicinity map.	✓	
2. A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in site assessment guidance)	✓	
3. A summary of UST system data is provided. (see Section 3.1.)	✓	
4. The soils characteristics at the UST site are described. (see Section 5.2)	✓	
5. Is there any apparent groundwater in the tank excavation?	✓	
6. A brief description of the surrounding land use is provided. (see Section 3.1)		
7. Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.	✓	
8. A sketch or sketches showing the following items is provided:		
- location and ID number for all field samples collected	✓	
- groundwater samples distinguished from soil samples (if applicable)	✓	
- samples collected from stockpiled excavated soil		✓
- tank and piping locations and limits of excavation pit	✓	
- adjacent structures and streets	✓	
- approximate locations of any on-site and nearby utilities	✓	
9. If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4)	✓	
10. A table is provided showing laboratory results for each sample collected including; sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.	✓	
11. Any factors that may have compromised the quality of the data or validity of the results are described.	✓	

12. The results of this site check/site assessment indicate that a confirmed release of a regulated substance has occurred.	✓	

SITE ASSESSOR INFORMATION

STEPHEN OMO
Person registered with Ecology

BB&A ENVIRONMENTAL
Firm Affiliated with

Business Address: 25195 SW PARKWAY AVE # 207
Street

Telephone: (503) 570 9484

WILSONVILLE
City

OR
State

97070
Zip Code

I hereby certify that I have been in responsible charge of performing the site check/site assessment described above. Persons submitting false information are subject to penalties under Chapter 173.360 WAC.

6/7/12
Date

Signature of Person Registered with Ecology

If you need this publication in an alternate format, please contact Toxics Cleanup Program at (360) 407-7170. For persons with a speech or hearing impairment call 711 for relay service or 800-833-6388 for TTY.