POTENTIAL AREA OF CONCERN (PAOC) 23/24 HAULAWAY BUILDING INTERIM MEASURE COMPLETION REPORT

COMPANY VEHICLE OPERATIONS
YPSILANTI, MICHIGAN
U.S. EPA ID MIK468293311 (GENERATOR)
U.S. EPA ID MID005356795 (RCRA CORRECTIVE ACTION)

Prepared For: Revitalizing Auto Communities Environmental Response Trust (RACER)

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Table of Contents

		Page
Section 1.0	**Introduction**	**1**
1.1	General	1
1.2	Site Description	1
1.3	Report Organization	2
Section 2.0	**Project Overview**	**2**
Section 3.0	**Excavation Activities**	**3**
3.1	Shoring	3
3.2	Excavation and Segregation	3
3.3	Excavation Sampling	4
3.4	Stockpiling/Winterizing the Materials	4
3.5	Infiltration Gallery	4
3.6	Backfill and Site Restoration	4
Section 4.0	**Vapor Intrusion Mitigation Activities**	**5**
Section 5.0	**Pile Sampling and Disposal Activities**	**5**
5.1	Pile Sampling	5
5.2	Waste Characterization	5
5.3	Disposal	6
Section 6.0	**Project Summary**	**6**
Section 7.0	**References**	**6**

List of Figures
(Following Text)

Figure 1.1	Site Layout
Figure 3.1	Soil Pile Area
Figure 3.2	Extent of Excavation and Sampling Locations
Figure 3.3	Infiltration Gallery Layout
Figure 4.1	VI Mitigation Activities

List of Tables
(Following Text)

Table 3.1	Extent of Excavation Sampling Results
Table 5.1	Pile Sampling Results – Totals Analysis
Table 5.2	Pile Sampling Results –TCLP Analysis
Table 5.3	Waste Characterization and Disposal Option Summary

List of Appendices

Appendix A	Project Photographs
Appendix B	Analytical Reports and Data Validation Memorandum
Appendix C	Vapor Intrusion Documents
Appendix D	Waste Profiles
Appendix E	Waste Disposal Documentation

ACRONYMS

AOC	Area of Contamination
CRA	CRA Engineering Inc.
CVO	Willow Run Company Vehicle Operations
GM	General Motors Corporation
IM	Interim Measure
IMWP	Interim Measures Work Plan
ITI	International Turbine Industries
MDEQ	Michigan Department of Environmental Quality
RACER	Revitalizing Auto Communities Environmental Response Trust
Site	Ypsilanti, Michigan
SSDS	Subslab Depressurization System
TCLP	Toxic Characteristic Leaching Procedure
VOCs	Volatile Organic Compounds
VI	Vapor Intrusion

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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11-25-14

Grant Trigger
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Revitalizing Auto Communities Environmental Response Trust

Date



11/26/14

Scott Adamowski, P.E.
CRA Engineering, Inc.

Date

Section 1.0 Introduction

On behalf of Revitalizing Auto Communities Environmental Response Trust (RACER), CRA Engineering, Inc. (CRA) has prepared this Interim Measure (IM) Completion Report for the Willow Run Company Vehicle Operations (CVO) property located in Ypsilanti, Michigan (Site) for the excavation and disposal of paint sludge and impacted soils beneath the northern portion of the Haulaway Building at the Site. An infiltration gallery and subslab depressurization system (SSDS) were also installed as part of the IM activities.

The excavation and disposal activities were conducted in accordance with the Interim Measures Work Plan (IMWP) – Parts I and II, respectively, which were submitted to the Michigan Department of Environmental Quality (MDEQ) for review. The IMWP activities were completed between December 2013 and October 2014.

1.1 General

The Site is located at 2901 Tyler Road in Ypsilanti, Michigan. It is bordered to the north and east by Tyler Pond, to the west by the Willow Run Business Center, and to the south by Tyler Road. There is only one building, the Haulaway Building, located at the Site as shown on Figure 1.1. The Haulaway Building is located in the southwest quadrant of the Site. The west side of the Haulaway Building is office space and the east side is workshop space of approximately 20,000 square feet.

Until recently the Site was owned by RACER Properties LLC and operated by RACER. RACER was created in March 2011 by the United States Bankruptcy Court to clean up and position for the redevelopment of properties and other facilities owned by the former General Motors Corporation (GM) before its 2009 bankruptcy. In June 2014, the Site was purchased by International Turbine Industries (ITI), although RACER retains responsibility for certain legacy environmental impacts. ITI offers a range of jet engine services including engine overhaul, inspection, welding repair and refinishing, and onsite testing utilizing an onsite test cell.

1.2 Site Description

Historically, waste material (including paint sludge and various drummed wastes) was dumped in various locations within the Site during the 1940s and 1950s. Historical aerial photos (1949) show an excavated area along with material piles just northeast of where the Haulaway Building now stands. The aerial photos show excavated pits dark in color suggesting the presence of liquids. The area of the 1949 pit is referred to as the PAOC 23 – 1949 Fill Area. Two pits were also observed northwest of the Haulaway Building in a 1952 aerial. These pits are dark in color indicating that they may contain liquid. This area has previously been identified as

PAOC 24. The identification of the additional paint sludge between these two previously identified PAOCs suggests they may be one fill area.

Analytical results from samples of the groundwater, soil and buried waste material beneath the Haulaway Building suggested the possibility that volatile organic compounds (VOCs) could volatilize from these media and subsequently migrate into the indoor air of the Haulaway Building. Soil gas and indoor air samples from the Haulaway Building confirm that VOC vapors were migrating into the building. Investigations indicated that the paint sludge was a contributing factor to elevated levels of VOCs in soil gas beneath the Haulaway Building.

1.3 Report Organization

This report is presented in the following sections:

1.0 Introduction
2.0 Project Overview
3.0 Excavation Activities
4.0 Vapor Intrusion Mitigation Activities
5.0 Pile Sampling and Disposal Activities
6.0 Project Summary
7.0 References

Section 2.0 Project Overview

As discussed in Section 1, the historic filling practices at the Site included the deposition of paint sludge and other debris. Previous investigations indicate that the paint sludge is a contributing factor to elevated levels of VOCs in soil gas and groundwater beneath the Haulaway Building. The IM activities completed included removal of paint sludge and limited associated contaminated soils near and beneath the northwest portion of the Haulaway Building. The main objective of the IM was to remove a source for soil gas and potential groundwater impacts but not to fully remediate the VOC impacts in the area. The IM also included the installation of an injection gallery for potential future use to reduce VOC levels in groundwater and a SSDS to prevent soil gases from infiltrating the building by creating a negative pressure under the building. This source removal was expected to decrease soil gas concentrations sufficiently that controls would not be required on the exhaust of the SSDS when in operation. The source removal was completed in Area A (as identified in IMWP – Part I) to facilitate the reuse of the building by a new owner in 2014. Areas B and C will be addressed as part of a separate investigation of the northwest portion of the property.

Section 3.0 Excavation Activities

The remediation requirement for the excavation was removal of visible paint sludge and limited associated surrounding contaminated soils near and beneath the northwest portion of the Haulaway Building. Photographs taken at various times throughout the project are provided in Appendix A.

3.1 Shoring

Due to the depth and location of the excavation, helical piers were installed to support existing foundations and footings to enable excavation to 12 feet bgs. Twenty eight helical piers were drilled into the soil on the north and south side of the north exterior wall, on the north side of the south wall of the wash bay, on the west exterior wall and the first row of columns directly south of the excavation.

3.2 Excavation and Segregation

As stated in the IMWP- Part I, the excavated material was segregated into piles by depth. Soils and paint sludge were excavated and relocated to piles outside the building within the Area of Contamination (AOC) as shown on Figure 3.1. The segregation was based on similar impacts observed within the depth interval.

Concrete encountered from ground surface to approximately 0.5 feet was removed. The material removed beneath the concrete was segregated and staged into the following piles:

- Pile 1: 0.5 – 1.5 feet below ground surface (bgs)
- Pile 2: 1.5 – 3 feet bgs
- Pile 3/4: 3 – 9 feet bgs plus additional paint sludge material removed from other zones
- Pile 5: 9 – 11 feet bgs
- Pile 6: Soils removed to install helical piers outside of the extent of impacts

The remnants of two drums were encountered within the excavation at approximately 4 feet bgs, near the center of the excavation. The drum contents were containerized into one overpack, sampled, and disposed of off Site. The waste sampling indicated that the contents of the drum remnants were a sludge/wastewater mixture that was impacted with non-TSCA PCBs, trichloroethene, and pyridine. The analytical lab report and waste profile can be found in Appendix B and D, respectively.

Figure 3.2 identifies the extent of the excavation and the approximate location the drums were found.

3.3 Excavation Sampling

The objective of the IM was to remove paint sludge and limited impacted soils, with the understanding that all impacts would not be removed. Soil samples were collected from the excavation floor and sidewalls to document concentrations left in place. A total of 9 soil samples (3 from the floor and 6 from the sidewalls) were collected. The soil samples were analyzed for volatile organic compounds (VOCs).

Figure 3.2 presents the extent of excavation soil sample locations. The sample results are presented in Table 3.1. Laboratory analytical data and data validation memorandum are included in Appendix B.

3.4 Stockpiling/Winterizing the Materials

As discussed in the IMWP – Part 1, the excavated material was stored onsite for the winter within the Area of Concern (AOC). The AOC concept provides for consolidation and in-situ treatment of hazardous waste within an AOC without creating a new point of waste generation. Each individual pile was placed on 15 mm plastic sheeting and was covered with multiple sheets of 6 mm plastic sheeting secured by sandbags interconnected with rope and cinder blocks. The plastic sheeting provided protection from adverse weather and prevented infiltration of precipitation and snow melt. The piles were inspected on a regular basis and adjustments (additional tarps, sandbags, and cinderblocks) were made so the piles were adequately protected.

3.5 Infiltration Gallery

At the base of the excavation, two horizontal wells were installed prior to backfilling the excavation to create an injection gallery for potential future use to reduce VOC levels in groundwater. Figure 3.3 provides infiltration gallery details.

3.6 Backfill and Site Restoration

Following installation of the infiltration gallery, the excavation was backfilled with Class II fill sand. Flowable fill was used to backfill beneath the building footers along the north wall. The surface was restored with approximately 8 inches of concrete.

Section 4.0 Vapor Intrusion Mitigation Activities

Vapor intrusion (VI) mitigation activities were completed to prevent soil gases from infiltrating the building. This included the installation of a SSDS and sealing of cracks, gaps, and seams and filling subsurface structures (i.e. mechanics trench and former oil/water separator) within a portion of the building. Figure 4.1 identifies the extent of the VI mitigation activities. Appendix C provides a copy of the SSDS Operation, Maintenance and Monitoring Plan that was provided to the owner of the property. Appendix C also provides a copy of the SSDS Monitoring Plan Memorandum which was submitted to the MDEQ. This memo demonstrates that the SSDS is operating successfully and as intended and is exempt from air permitting and controls.

Section 5.0 Pile Sampling and Disposal Activities

5.1 Pile Sampling

The soil piles were sampled twice. Following excavation, soil samples were collected for Totals laboratory analysis in December 2013. Two grab samples were collected from each of the six piles. Review of these total results prompted the collection of additional soil samples in April 2014, once the soils had thawed, for toxic characteristic leaching procedure (TCLP) analysis. Composite samples were collected from each of the six piles. Approximately 5-6 locations were selected from each individual pile and combined to obtain a representative composite soil sample (excluding paint sludge). Two additional composite samples were collected from Pile 3. These additional samples were comprised of only paint sludge. One composite was analyzed for TCLP and the other was analyzed for Total analysis. Four grab samples were also collected, three to delineate a PCB detection in Pile 6 from the December 2013 sampling event, and one to sample wood block debris that was found in Pile 6.

Tables 5.1 and 5.2 present the Total and TCLP analytical data from samples that were collected, respectively.

5.2 Waste Characterization

Based on the results presented in Table 5.2, disposal options were reviewed for each pile. Table 5.3 summarizes the waste classification and selected disposal option for each pile. Waste profiles submitted for each pile are provided in Appendix D.

5.3 Disposal

A total of 545 tons of material was disposed of off Site. The piles were disposed of at the facilities identified below. Waste manifests, land disposal restriction certifications and certificates of destruction (where applicable) are provided in Appendix E.

Pile	Loads/Tons	Disposal Facility and Approval No.
1	2 / 71	EQ Wayne Disposal, Inc. – E143233WDI
2 & 5	4 / 150	WM Woodland Meadows – 114725MI
3/4	6 / 265	EQ Michigan Disposal Treatment Plant – E143236MDI
6-T	1 / 22	EQ Wayne Disposal, Inc. – E143259WDI
6	1 / 37	EQ Detroit – J145202DET

Section 6.0 Project Summary

As designed, the PAOC 23/24 remediation efforts did not fully remediate the VOC impacts in this area of the Site but were successful in significantly removing VOC source material such that the SSDS is exempt from air permitting, as demonstrated in the SSDS Monitoring Plan Memorandum. The SSDS will remain in operation to prevent soil gases from infiltrating the building until such time that VOC concentrations in soil gas are below regulatory levels. Additional investigations of the surrounding area are anticipated to evaluate and effectively design additional interim measures in this area.

Section 7.0 References

CRA, 2013 PAOC 23/24. Interim Measures Work Plan Haulaway Building – Part I, Company Vehicle Operations, Ypsilanti, Michigan

CRA. "Interim Measures Work Plan-Part 2, PAOC 23: Disposal of Excavated Materials, RACER: Willow Run Company Vehicle Operations, 2901 Tyler Road, Ypsilanti, MI" Letter to Kevin Lund, MDEQ. 16 June 2014

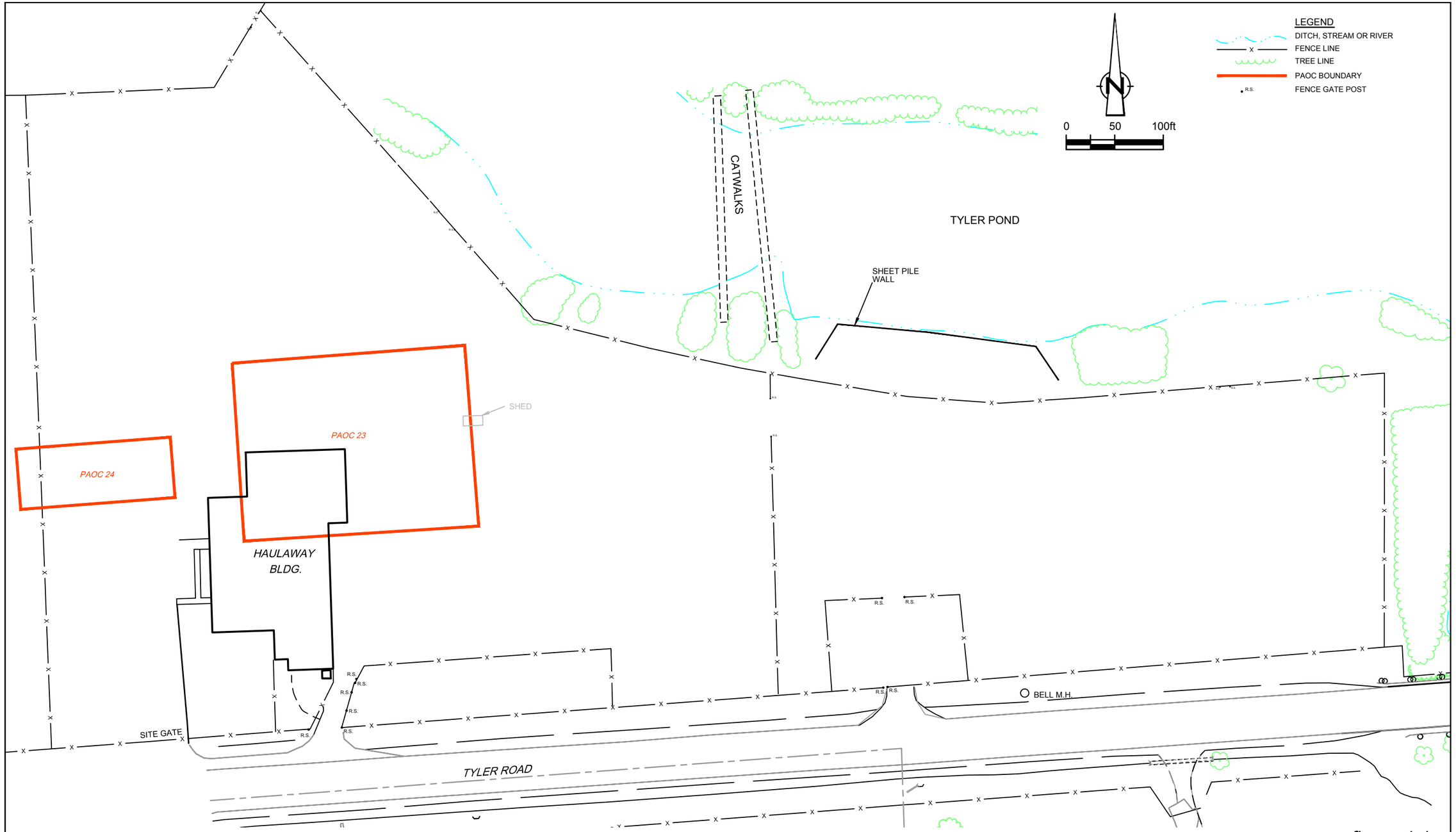
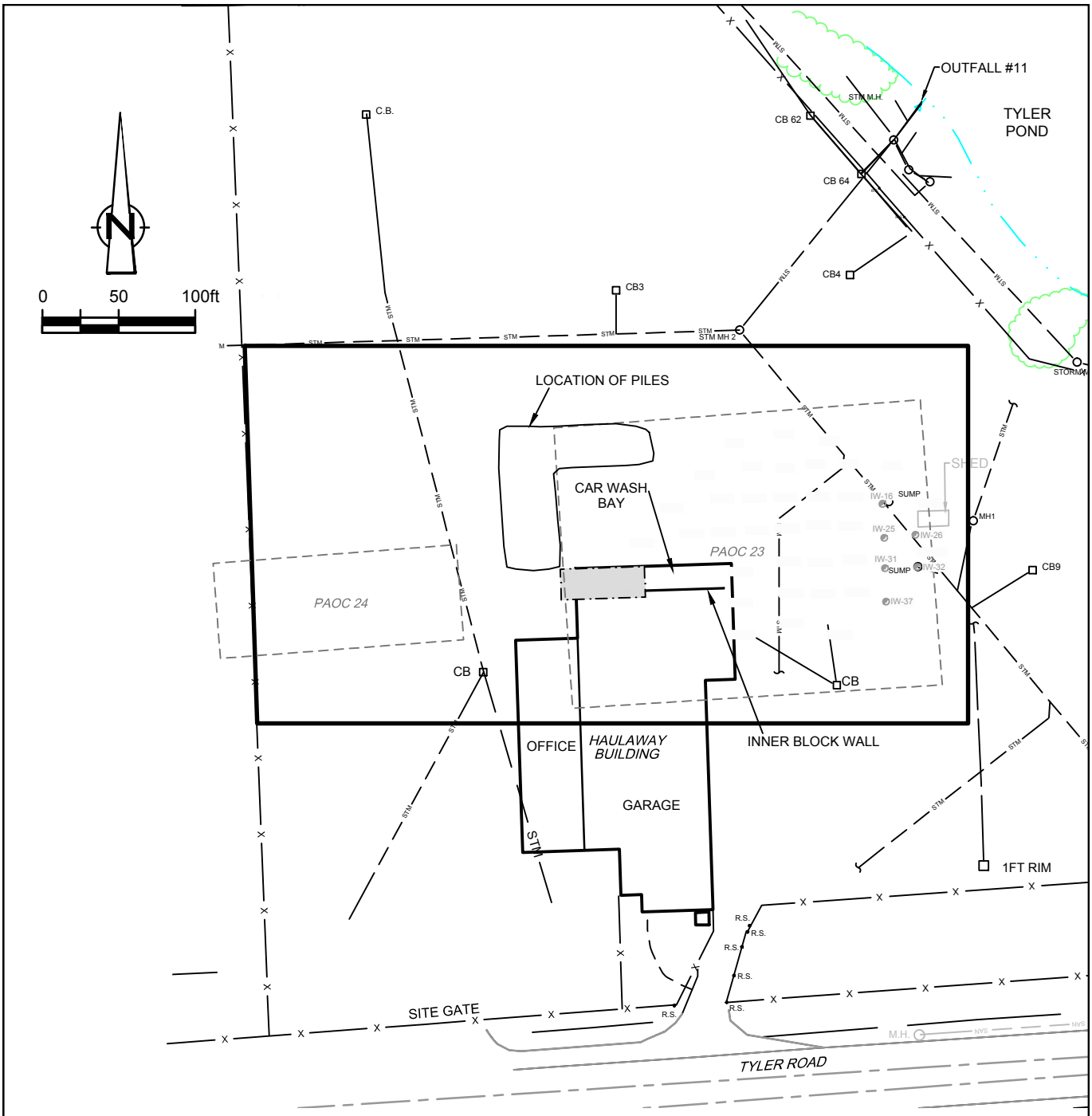


figure 1.1

SITE LAYOUT
PAOC 23/24 HAULAWAY BUILDING - IM COMPLETION REPORT
COMPANY VEHICLE OPERATIONS AREA
Ypsilanti, Michigan

CRA

017303-T02(030)GN-DE001 NOV 3/2014

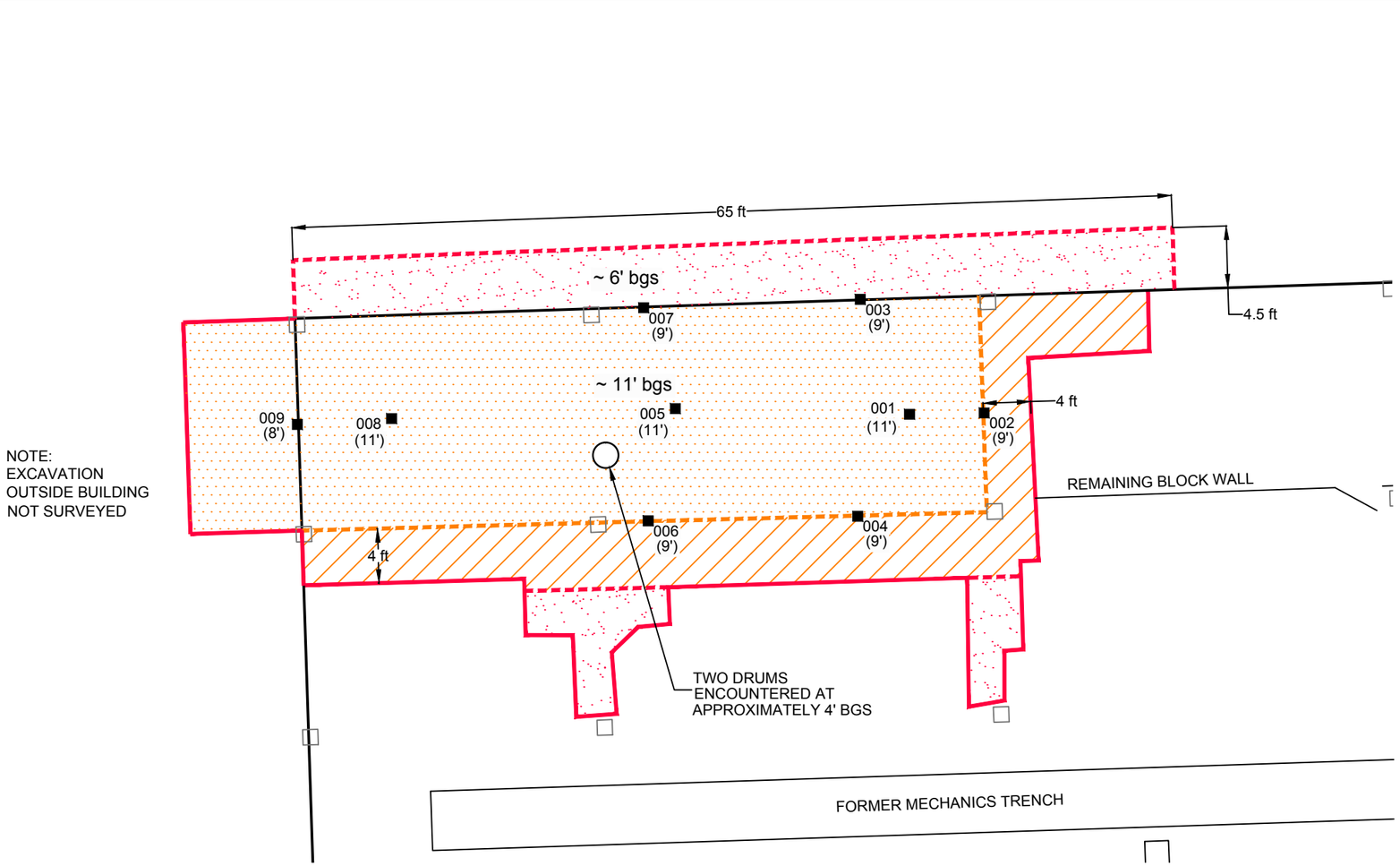


LEGEND

- STM — STORM SEWER
- x — FENCE LINE
- AREA OF EXCAVATION
- AREA OF CONTAMINATION
- PAOC BOUNDARY
- AREAS CONTAINING PAINT SLUDGE
- CB15 — CATCH BASIN
- M.H. — MANHOLE
- DITCH, STREAM OR RIVER
- TREE LINE

figure 3.1

SOIL PILE AREA
PAOC 23/24 HAULAWAY BUILDING - IM COMPLETION REPORT
COMPANY VEHICLE OPERATIONS AREA
Ypsilanti, Michigan



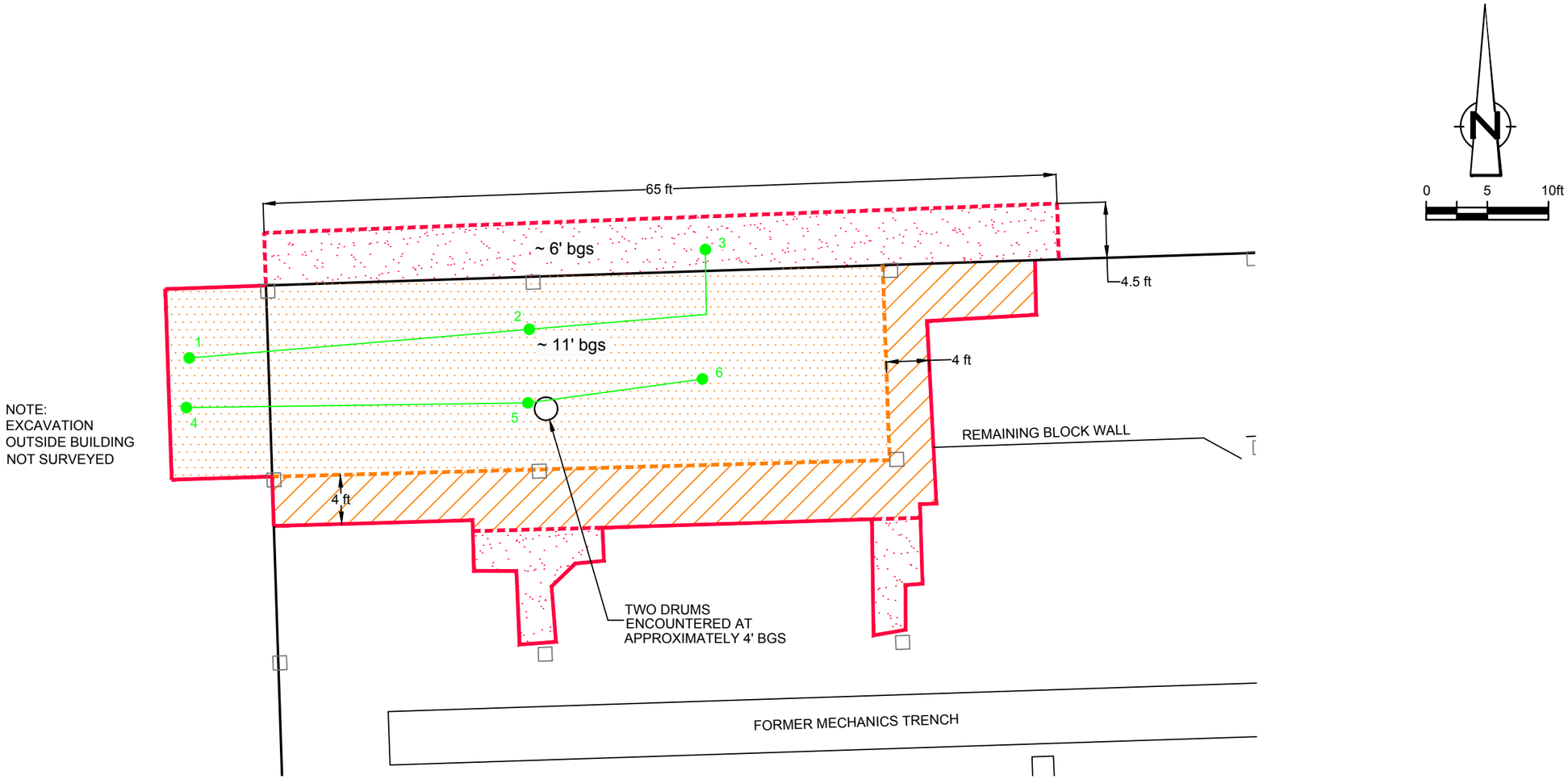
NOTE:
EXCAVATION
OUTSIDE BUILDING
NOT SURVEYED

LEGEND

- EXTENT OF EXCAVATON AND/OR CONCRETE CUTS
- EXCAVATION FOR HELICAL PIERS
- BOTTOM OF EXCAVATION
- GRADING FOR STABILITY/HELICAL PIERS
- ■ 009 EXTENT OF EXCAVATION SAMPLE LOCATION
- (8') SAMPLE DEPTH ft bgs
- NOTE: LOCATIONS ARE APPROXIMATE, BASED ON FIELD OBSERVATIONS/MEASUREMENTS
- COLUMN

figure 3.2

EXTENT OF EXCAVATION AND SAMPLING LOCATIONS
PAOC 23/24 HAULAWAY BUILDING - IM COMPLETION REPORT
COMPANY VEHICLE OPERATIONS AREA
Ypsilanti, Michigan



NOTE:
EXCAVATION
OUTSIDE BUILDING
NOT SURVEYED

LEGEND

- EXTENT OF EXCAVATON AND/OR CONCRETE CUTS
- EXCAVATION FOR HELICAL PIERS
- BOTTOM OF EXCAVATION
- GRADING FOR STABILITY/HELICAL PIERS
- INFILTRATION GALLERY
- INFILTRATION GALLERY ACCESS POINT
- COLUMN
- AMSL — ABOVE MEAN SEA LEVEL

LOCATION	CALCULATED TOP OF PIPE (FEET AMSL)	MEASURED DTB (FEET)	BOTTOM ELEVATION (FEET AMSL)
1	718.28	8.4	709.88
2	717.98	-	-
3	717.99	4.7	713.29*
4	718.38	8.37	710.01
5	718.04	8.7	709.34
6	717.99	8.3	709.69

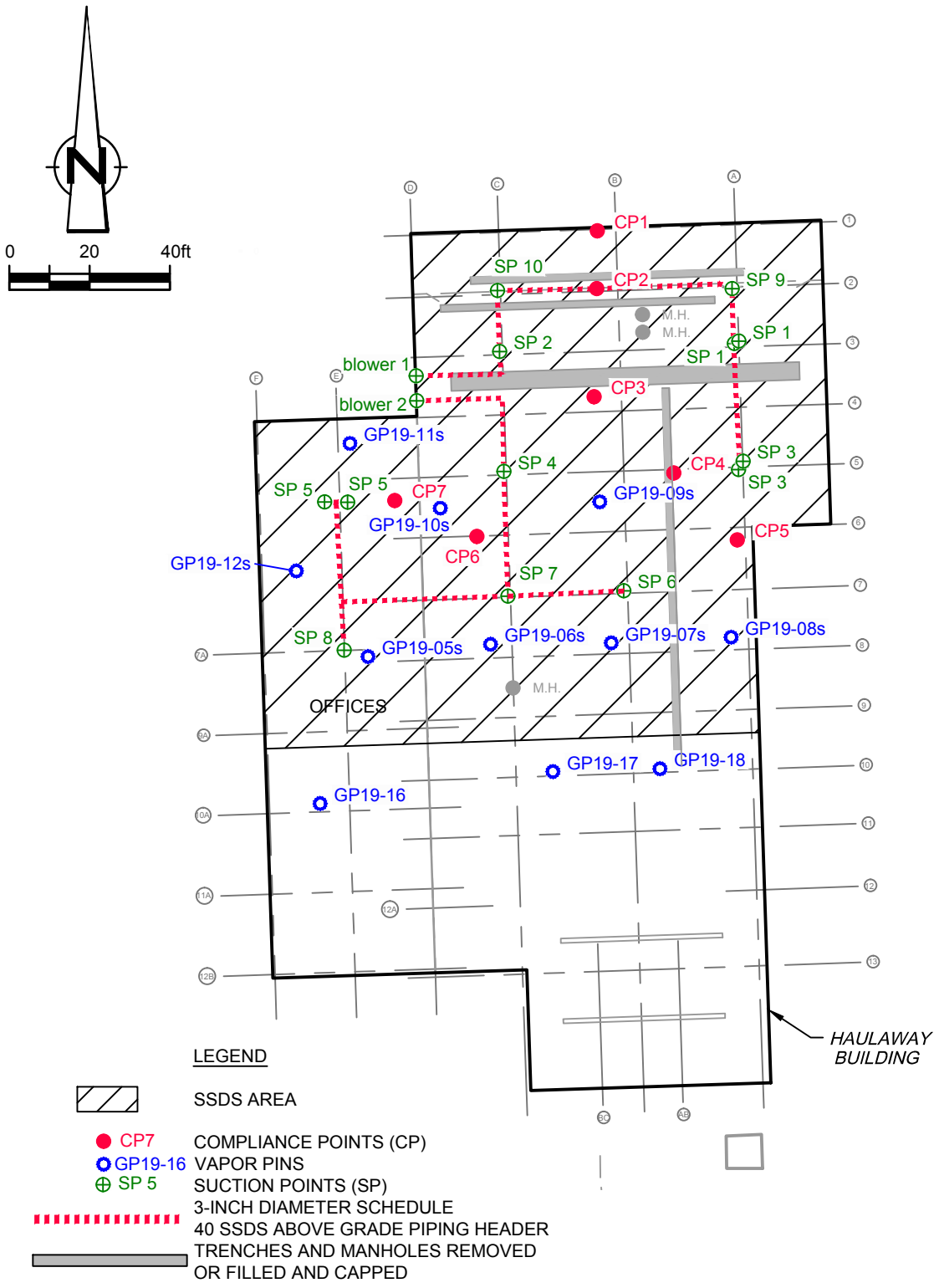
NOTES:

- : UNABLE TO MEASURE DTB DUE TO EQUIPMENT/SUPPLIES OR WELL

* : LOCATION BENDS AT 4.7' AND TURNS TO THE SOUTH TO REACH THE BOTTOM OF THE EXCAVATION AREA

figure 3.3

INFILTRATION GALLERY LAYOUT
PAOC 23/24 HAULAWAY BUILDING - IM COMPLETION REPORT
COMPANY VEHICLE OPERATIONS AREA
Ypsilanti, Michigan



NOTE: SP 1, 3, 5 - TWO SUCTION POINTS INSTALLED DUE TO BELOW SLAB OBSTRUCTIONS.

figure 4.1

VI MITIGATION ACTIVITIES
PAOC 23/24 HAULAWAY BUILDING - IM COMPLETION REPORT
COMPANY VEHICLE OPERATIONS AREA
Ypsilanti, Michigan

TABLE 3.1

EXTENT OF EXCAVATION SAMPLING RESULTS
PAOC 23/24 HAULAWAY BUILDING INTERIM MEASURE COMPLETION REPORT
COMPANY VEHICLE OPERATIONS
YPSILANTI, MICHIGAN

PAOC												***PAOC 23***	***PAOC 23***	***PAOC 23***	***PAOC 23***
Sample Location:		***MDEQ Generic Cleanup Criteria : Nonresidential (1)***										***Bottom of Excavation***	***Sidewall of Excavation***	***Sidewall of Excavation***	***Sidewall of Excavation***
Sample Depth:		Statewide Default Background	Non-Residential Drinking Water Protection	Groundwater Surface Water Interface Protection	Non-Residential Soil Volatilization to Indoor Air Inhalation	Non-Residential Infinite Source Volatile Soil Inhalation	Non-Residential Finite VSIC for 5 Meter Source Thickness	Non-Residential Finite VSIC for 2 Meter Source Thickness	Non-Residential Particulate Soil Inhalation	Non-Residential Direct Contact	Soil Saturation Concentration Screening Levels	***11- ft BGS***	***9- ft BGS***	***9- ft BGS***	***9- ft BGS***
Sample ID:												***SO-17303-122013-DB-001***	***SO-17303-122013-DB-002***	***SO-17303-122013-DB-003***	***SO-17303-122013-DB-004***
Sample Date:												***12/20/2013***	***12/20/2013***	***12/20/2013***	***12/20/2013***
Sample Type:															
	Units	***a***	***b***	***c***	***d***	***e***	***f***	***g***	***h***	***i***	***j***				
Volatile organic compounds (VOCs)															
1,1,1-Trichloroethane	ug/kg	--	4000	1800	460000	4500000	15000000	31000000	29000000000	1000000000	460000	48 U	410 U	53 U	180 U
1,1,2,2-Tetrachloroethane	ug/kg	--	700	1600	23000	34000	34000	34000	68000000	240000	870000	48 U	410 U	53 U	180 U
1,1,2-Trichloroethane	ug/kg	--	100	6600	24000	57000	57000	120000	250000000	840000	920000	48 U	410 U	580[b]	180 U
1,1-Dichloroethane	ug/kg	--	50000	15000	430000	2500000	6000000	14000000	15000000000	87000000	890000	48 U	410 U	53 U	180 U
1,1-Dichloroethene	ug/kg	--	140	2600	330	3700	15000	37000	78000000	660000	570000	390[bd]	210 J[b]	29 J	180 U
1,2,4-Trichlorobenzene	ug/kg	--	4200	5900	18000000	34000000	34000000	34000000	11000000000	5800000	1100000	23 J	2100 U	270 U	890 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	--	10	--	1200	900	900	900	700000	20000000	1200	240 U	2100 U	270 U	890 U
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	--	20	110	3600	5800	5800	9800	18000000	430	890000	240 U	2100 U	270 U	890 U
1,2-Dichlorobenzene	ug/kg	--	14000	280	20000000	46000000	46000000	55000000	44000000000	63000000	210000	380[c]	830 U	59 J	180 J
1,2-Dichloroethane	ug/kg	--	100	7200	11000	21000	33000	74000	150000000	420000	1200000	48 U	410 U	53 U	180 U
1,2-Dichloropropane	ug/kg	--	100	4600	7400	30000	51000	120000	120000000	660000	550000	48 U	410 U	53 U	180 U
1,3-Dichlorobenzene	ug/kg	--	480	680	48000	94000	94000	110000	8800000	660000	170000	96 U	830 U	110 U	360 U
1,4-Dichlorobenzene	ug/kg	--	1700	360	100000	260000	260000	340000	570000000	1900000	--	96 U	830 U	110 U	360 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	--	760000	44000	99000000	35000000	35000000	36000000	29000000000	700000000	27000000	720 U	6200 U	800 U	2700 U
2-Hexanone	ug/kg	--	58000	--	1800000	1300000	1300000	1500000	1200000000	100000000	2500000	2400 U	21000 U	2700 U	8900 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	--	100000	--	69000000	53000000	53000000	70000000	60000000000	180000000	2700000	2400 U	21000 U	2700 U	8900 U
Acetone	ug/kg	--	42000	34000	540000000	160000000	160000000	200000000	170000000000	73000000	110000000	390 J	6200 U	800 U	2700 U
Benzene	ug/kg	--	100	4000	8400	45000	99000	230000	470000000	840000	400000	830[b]	330 J[b]	150[b]	160 J[b]
Bromodichloromethane	ug/kg	--	1600	--	6400	31000	31000	57000	110000000	490000	1500000	96 U	830 U	110 U	360 U
Bromoform	ug/kg	--	1600	--	770000	3100000	3100000	3100000	3600000000	3800000	870000	96 U	830 U	110 U	360 U
Bromomethane (Methyl bromide)	ug/kg	--	580	700	1600	13000	57000	140000	150000000	1000000	2200000	240 U	2100 U	270 U	890 U
Carbon disulfide	ug/kg	--	46000	--	140000	1600000	8000000	19000000	21000000000	43000000	280000	240 U	2100 U	270 U	890 U
Carbon tetrachloride	ug/kg	--	100	900	990	12000	34000	79000	170000000	440000	390000	48 U	410 U	53 U	180 U
Chlorobenzene	ug/kg	--	2000	500	220000	920000	1100000	2100000	2100000000	14000000	260000	48 U	410 U	53 U	180 U
Chloroethane	ug/kg	--	34000	22000	5300000	36000000	120000000	280000000	290000000000	12000000	950000	240 U	2100 U	270 U	890 U
Chloroform (Trichloromethane)	ug/kg	--	1600	7000	38000	150000	340000	790000	1600000000	5500000	1500000	17 J	410 U	24 J	180 U
Chloromethane (Methyl chloride)	ug/kg	--	22000		10000	120000	1000000	2500000	2600000000	7400000	1100000	240 U	2100 U	270 U	890 U
cis-1,2-Dichloroethene	ug/kg	--	1400	12000	41000	210000	430000	1000000	1000000000	8000000	640000	110000 J[bcd]	140000 J[bcd]	24000 J[bc]	48000 J[bcd]
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	48 U	410 U	53 U	180 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	400 J	9900 U	1300 U	4300 U
Dibromochloromethane	ug/kg	--	1600	--	21000	80000	80000	98000	160000000	500000	610000	48 U	410 U	53 U	180 U
Dichlorodifluoromethane (CFC-12)	ug/kg	--	270000	--	1700000	63000000	550000000	1400000000	1500000000000	17000000	1000000	96 U	830 U	110 U	360 U
Ethylbenzene	ug/kg	--	1500	360	460000	2400000	3100000	6500000	13000000000	71000000	140000	24000 J[bc]	580[c]	3700[bc]	9100[bc]
Isopropyl benzene	ug/kg	--	260000	3200	730000	2000000	2000000	3000000	2600000000	80000000	390000	5300 J[c]	290 J	1000	2800
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	82 J	9900 U	1300 U	110 J
Methyl cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	6300 J	440 J	600 J	1600 J
Methyl tert butyl ether (MTBE)	ug/kg	--	800	140000	18000000	30000000	41000000	89000000	88000000000	7100000	5900000	240 U	2100 U	270 U	890 U
Methylene chloride	ug/kg	--	100	30000	240000	700000	1700000	4000000	8300000000	5800000	2300000	240 U	2100 U	270 U	890 U
Styrene	ug/kg	--	2700	2100	1600000	3300000	3300000	4200000	6900000000	1900000	520000	48 U	410 U	53 U	180 U
Tetrachloroethene	ug/kg	--	100	1200	21000	210000	490000	1100000	1200000000	930000	88000	140[b]	230 J[b]	100	180 U
Toluene	ug/kg	--	16000	5400	610000	3300000	36000000	36000000	12000000000	160000000	250000	15000 J[c]	370 J	2300	3800
trans-1,2-Dichloroethene	ug/kg	--	2000	30000	43000	330000	840000	2000000	2100000000	12000000	1400000	270	330 J	50 J	170 J
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	48 U	410 U	53 U	180 U
Trichloroethene	ug/kg	--	100	4000	1900	14000	25000	58000	59000000	660000	500000	39000 J[bcdef]	140000 J[bcdefg]	110000 J[bcdefg]	8000[bcd]
Trichlorofluoromethane (CFC-11)	ug/kg	--	150000		5100000	110000000	1400000000000	1400000000000	1700000000000	260000000	560000	96 U	830 U	110 U	360 U
Trifluorotrichloroethane (Freon 113)	ug/kg	--	9000000	1700	9300000	210000000	890000000	2100000000	2300000000000	1000000000	550000	240 U	2100 U	270 U	890 U
Vinyl chloride	ug/kg	--	40	260	2800	29000	170000	420000	890000000	34000	490000	850[bc]	230 J[b]	36 J	290[bc]
Xylenes (total)	ug/kg	--	5600	820	12000000	54000000	65000000	130000000	130000000000	1000000000	150000	120000[bc]	5800[bc]	40000[bc]	110000[bc]

Footnotes:
Notes:
(1) MDEQ (Michigan) Generic soil cleanup criteria for residential and nonresidential category, administrative rule R 299.48 effective December 30, 2013, pursuant to Part 201 of 1994 PA 451 as amended (Part 201 Generic Nonresidential Soil Criteria
ug/kg - micrograms per kilogram

Lab Qualifiers:
U - Not detected at the associated reporting limit.
J - Estimated concentration.

2800[bc] - Exceeds one or more Non-Residential Part 201 Generic Cleanup Criteria

TABLE 3.1

EXTENT OF EXCAVATION SAMPLING RESULTS
PAOC 23/24 HAULAWAY BUILDING INTERIM MEASURE COMPLETION REPORT
COMPANY VEHICLE OPERATIONS
YPSILANTI, MICHIGAN

PAOC												*PAOC 23*	*PAOC 23*	*PAOC 23*	*PAOC 23*	*PAOC 23*
Sample Location:		***MDEQ Generic Cleanup Criteria : Nonresidential (1)***										***Bottom of Excavation***	***Sidewall of Excavation***	***Sidewall of Excavation***	***Bottom of Excavation***	***Sidewall of Excavation***
Sample Depth:		Statewide Default Background	Non-Residential Drinking Water Protection	Groundwater Surface Water Interface Protection	Non-Residential Soil Volatilization to Indoor Air Inhalation	Non-Residential Infinite Source Volatile Soil Inhalation	Non-Residential Finite VSIC for 5 Meter Source Thickness	Non-Residential Finite VSIC for 2 Meter Source Thickness	Non-Residential Particulate Soil Inhalation	Non-Residential Direct Contact	Soil Saturation Concentration Screening Levels	***11- ft BGS***	***9- ft BGS***	***9- ft BGS***	***11- ft BGS***	***8- ft BGS***
Sample ID:												***SO-17303-122613-MA-005***	***SO-17303-122613-MA-006***	***SO-17303-122613-MA-007***	***SO-17303-123113-CT-008***	***SO-17303-123113-CT-009***
Sample Date:												***12/26/2013***	***12/26/2013***	***12/26/2013***	***12/31/2013***	***12/31/2013***
Sample Type:																
	Units	***a***	***b***	***c***	***d***	***e***	***f***	***g***	***h***	***i***	***j***					
Volatile organic compounds (VOCs)																
1,1,1-Trichloroethane	ug/kg	--	4000	1800	460000	4500000	15000000	31000000	29000000000	1000000000	460000	2300 U	170 U	4900 U	240 U	43 U
1,1,2,2-Tetrachloroethane	ug/kg	--	700	1600	23000	34000	34000	34000	68000000	240000	870000	2300 U	170 U	4900 U	240 U	43 U
1,1,2-Trichloroethane	ug/kg	--	100	6600	24000	57000	57000	120000	250000000	840000	920000	2300 U	170 U	4900 U	240 U	43 U
1,1-Dichloroethane	ug/kg	--	50000	15000	430000	2500000	6000000	14000000	15000000000	87000000	890000	2300 U	170 U	4900 U	240 U	43 U
1,1-Dichloroethene	ug/kg	--	140	2600	330	3700	15000	37000	78000000	660000	570000	2300 U	170 U	4900 U	240 U	43 U
1,2,4-Trichlorobenzene	ug/kg	--	4200	5900	18000000	34000000	34000000	34000000	11000000000	5800000	1100000	12000 U	840 U	25000 U	1200 U	220 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	--	10	--	1200	900	900	900	700000	20000000	1200	12000 U	840 U	25000 U	1200 U	220 U
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	--	20	110	3600	5800	5800	9800	18000000	430	890000	12000 U	840 U	25000 U	1200 U	220 U
1,2-Dichlorobenzene	ug/kg	--	14000	280	20000000	46000000	46000000	55000000	44000000000	63000000	210000	590 J[c]	340 U	9800 U	170 J	87 U
1,2-Dichloroethane	ug/kg	--	100	7200	11000	21000	33000	74000	150000000	420000	1200000	2300 U	170 U	4900 U	240 U	43 U
1,2-Dichloropropane	ug/kg	--	100	4600	7400	30000	51000	120000	120000000	660000	550000	2300 U	170 U	4900 U	240 U	43 U
1,3-Dichlorobenzene	ug/kg	--	480	680	48000	94000	94000	110000	8800000	660000	170000	4600 U	340 U	9800 U	480 U	87 U
1,4-Dichlorobenzene	ug/kg	--	1700	360	100000	260000	260000	340000	570000000	1900000	--	4600 U	340 U	9800 U	59 J	87 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	--	760000	44000	99000000	35000000	35000000	36000000	29000000000	700000000	27000000	35000 U	2500 U	74000 U	3600 U	61 J
2-Hexanone	ug/kg	--	58000	--	1800000	1300000	1300000	1500000	1200000000	100000000	2500000	120000 U	8400 U	250000 U	12000 U	2200 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	--	100000	--	69000000	53000000	53000000	70000000	60000000000	180000000	2700000	120000 U	8400 U	250000 U	12000 U	2200 U
Acetone	ug/kg	--	42000	34000	540000000	160000000	160000000	200000000	170000000000	73000000	110000000	35000 U	2500 U	74000 U	3600 U	650 U
Benzene	ug/kg	--	100	4000	8400	45000	99000	230000	470000000	840000	400000	2300 U	170 U	2300 J[b]	460[b]	29 J
Bromodichloromethane	ug/kg	--	1600	--	6400	31000	31000	57000	110000000	490000	1500000	4600 U	340 U	9800 U	480 U	87 U
Bromoform	ug/kg	--	1600	--	770000	3100000	3100000	3100000	3600000000	3800000	870000	4600 U	340 U	9800 U	480 U	87 U
Bromomethane (Methyl bromide)	ug/kg	--	580	700	1600	13000	57000	140000	150000000	1000000	2200000	12000 U	840 U	25000 U	1200 U	220 U
Carbon disulfide	ug/kg	--	46000	--	140000	1600000	8000000	19000000	21000000000	43000000	280000	12000 U	840 U	25000 U	1200 U	220 U
Carbon tetrachloride	ug/kg	--	100	900	990	12000	34000	79000	170000000	440000	390000	2300 U	170 U	4900 U	240 U	43 U
Chlorobenzene	ug/kg	--	2000	500	220000	920000	1100000	2100000	2100000000	14000000	260000	2300 U	170 U	4900 U	240 U	43 U
Chloroethane	ug/kg	--	34000	22000	5300000	36000000	120000000	280000000	290000000000	12000000	950000	12000 U	840 U	25000 U	1200 U	220 U
Chloroform (Trichloromethane)	ug/kg	--	1600	7000	38000	150000	340000	790000	1600000000	5500000	1500000	2300 U	170 U	4900 U	240 U	43 U
Chloromethane (Methyl chloride)	ug/kg	--	22000		10000	120000	1000000	2500000	2600000000	7400000	1100000	12000 U	840 U	25000 U	1200 U	220 U
cis-1,2-Dichloroethene	ug/kg	--	1400	12000	41000	210000	430000	1000000	1000000000	8000000	640000	7800[b]	870	42000[bcd]	240 U	18 J
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	2300 U	170 U	4900 U	240 U	43 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	55000 U	4000 U	7600 J	990 J	1000 U
Dibromochloromethane	ug/kg	--	1600	--	21000	80000	80000	98000	160000000	500000	610000	2300 U	170 U	4900 U	240 U	43 U
Dichlorodifluoromethane (CFC-12)	ug/kg	--	270000	--	1700000	63000000	550000000	1400000000	1500000000000	17000000	1000000	4600 U	340 U	9800 U	480 U	87 U
Ethylbenzene	ug/kg	--	1500	360	460000	2400000	3100000	6500000	13000000000	71000000	140000	10000[bc]	130 J	65000[bc]	13000[bc]	66
Isopropyl benzene	ug/kg	--	260000	3200	730000	2000000	2000000	3000000	2600000000	80000000	390000	2200 J	840 U	5400 J[c]	4800[c]	36 J
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	55000 U	4000 U	120000 U	150 J	33 J
Methyl cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	1400 J	920 J	25000 J	4500 J	110 J
Methyl tert butyl ether (MTBE)	ug/kg	--	800	140000	18000000	30000000	41000000	89000000	88000000000	7100000	5900000	12000 U	840 U	25000 U	1200 U	220 U
Methylene chloride	ug/kg	--	100	30000	240000	700000	1700000	4000000	8300000000	5800000	2300000	12000 U	840 U	25000 U	1200 U	220 U
Styrene	ug/kg	--	2700	2100	1600000	3300000	3300000	4200000	6900000000	1900000	520000	2300 U	170 U	4900 U	240 U	43 U
Tetrachloroethene	ug/kg	--	100	1200	21000	210000	490000	1100000	1200000000	930000	88000	2300 U	170 U	4900 U	240 U	30 J
Toluene	ug/kg	--	16000	5400	610000	3300000	36000000	36000000	12000000000	160000000	250000	6100[c]	110 J	21000[bc]	430 J	50 J
trans-1,2-Dichloroethene	ug/kg	--	2000	30000	43000	330000	840000	2000000	2100000000	12000000	1400000	2300 U	170 U	4900 U	240 U	43 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	2300 U	170 U	4900 U	240 U	43 U
Trichloroethene	ug/kg	--	100	4000	1900	14000	25000	58000	59000000	660000	500000	210000[bcdefg]	8300[bcd]	4900 U	5100[bcd]	1300[b]
Trichlorofluoromethane (CFC-11)	ug/kg	--	150000		5100000	110000000	140000000000	140000000000	17000000000000	260000000	560000	4600 U	340 U	9800 U	480 U	87 U
Trifluorotrichloroethane (Freon 113)	ug/kg	--	9000000	1700	9300000	210000000	890000000	2100000000	2300000000000	1000000000	550000	12000 U	840 U	25000 U	1200 U	220 U
Vinyl chloride	ug/kg	--	40	260	2800	29000	170000	420000	890000000	34000	490000	1800 U	130 U	3900 U	190 U	35 U
Xylenes (total)	ug/kg	--	5600	820	12000000	54000000	65000000	130000000	130000000000	1000000000	150000	97000[bc]	930[c]	270000[bcj]	17000[bc]	78 J

Footnotes:
Notes:
(1) MDEQ (Michigan) Generic soil cleanup criteria for residential and nonresidential category, administrative rule R 299.48 effective December 30, 2013, pursuant to Part 201 of 1994 PA 451 as amended (Part 201 Generic Nonresidential Soil Criteria
ug/kg - micrograms per kilogram

Lab Qualifiers:
U - Not detected at the associated reporting limit.
J - Estimated concentration.

2800[bc] - Exceeds one or more Non-Residential Part 201 Generic Cleanup Criteria

TABLE 5.1

PILE SAMPLING REULTS - TOTALS ANALYSIS
PAOC 23/24 HAULAWAY BUILDING INTERIM MEASURE COMPLETION REPORT
COMPANY VEHICLE OPERATIONS
YPSILANTI, MICHIGAN

PAOC			*Soil Pile 1*	*Soil Pile 1*	*Soil Pile 2*	*Soil Pile 2*	*Soil Pile 3 & 4*	*Soil Pile 3 & 4*	*Soil Pile 5*	*Soil Pile 5*	*Soil Pile 6*	*Soil Pile 6*	*Soil Pile 3*	*Soil Pile 6*	*Soil Pile 6*	*Soil Pile 6*	*Soil Pile 6*
Sample Location:			*Excavation Stockpile Soil*	*Excavation Stockpile Soil*	*Excavation Stockpile Soil*	*Excavation Stockpile Soil*	*Excavation Stockpile Soil*	*Excavation Stockpile Soil*	*Excavation Stockpile Soil*	*Excavation Stockpile Soil*	*Excavation Stockpile Soil*	*Excavation Stockpile Soil*	*Paint sludge material only*	*Additional PCB Delineation*	*Additional PCB Delineation*	*Additional PCB Delineation*	*Wood Block*
Sample ID:	*RCRA*	*UTS*	*SO-17303-123013-CT-100*	*SO-17303-123013-CT-101*	*SO-17303-123013-CT-102*	*SO-17303-123013-CT-103*	*SO-17303-123013-CT-104*	*SO-17303-123013-CT-107*	*SO-17303-123013-CT-105*	*SO-17303-123013-CT-106*	*SO-17303-123013-CT-108*	*SO-17303-123013-CT-109*	*ST-17303-041714-DB-012*	*SO-17303-041714-DB-004*	*SO-17303-041714-DB-005*	*SO-17303-041714-DB-006*	*ST-17303-041714-DB-008*
Sample Date:			*12/30/2013*	*12/30/2013*	*12/30/2013*	*12/30/2013*	*12/30/2013*	*12/30/2013*	*12/30/2013*	*12/30/2013*	*12/30/2013*	*12/30/2013*	*04/17/2014*	*04/17/2014*	*04/17/2014*	*04/17/2014*	*04/17/2014*
Sample Type:			*Grab*	*Grab*	*Grab*	*Grab*	*Grab*	*Grab*	*Grab*	*Grab*	*Grab*	*Grab*	*Composite*	*Grab*	*Grab*	*Grab*	*Grab*
Parameters	*a*	*b*															
VOCs mg/kg																	
1,1,1-Trichloroethane		60	0.076 U	0.15 U	0.19 U	0.4 U	0.12 U	100 U	21 U	96 U	0.05 U	0.044 U	27000 U	--	--	--	--
1,1,2,2-Tetrachloroethane		60	0.076 U	0.15 U	0.19 U	0.4 U	0.12 U	100 U	21 U	96 U	0.05 U	0.044 U	27000 U	--	--	--	--
1,1,2-Trichloroethane		60	0.03 J	0.15 U	0.074 J	0.4 U	0.12 U	100 U	21 U	96 U	0.05 U	0.044 U	27000 U	--	--	--	--
1,1-Dichloroethane		60	0.076 U	0.15 U	0.19 U	0.4 U	0.12 U	100 U	21 U	96 U	0.05 U	0.044 U	27000 U	--	--	--	--
1,1-Dichloroethene	14	60	0.076 U	0.15 U	0.19 U	0.4 U	0.12 U	100 U	21 U	96 U	0.05 U	0.044 U	27000 U	--	--	--	--
1,2,4-Trichlorobenzene		190	0.38 U	0.75 U	0.95 U	2 U	0.59 U	520 U	110 U	480 U	0.25 U	0.22 U	130000 U	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)		150	0.38 U	0.75 U	0.95 U	2 U	0.59 U	520 U	110 U	480 U	0.25 U	0.22 U	130000 U	--	--	--	--
1,2-Dibromoethane (Ethylene dibromide)		150	0.38 U	0.75 U	0.95 U	2 U	0.59 U	520 U	110 U	480 U	0.25 U	0.22 U	130000 U	--	--	--	--
1,2-Dichlorobenzene		60	0.15 U	0.3 U	0.38 U	0.81 U	0.24 U	210 U	43 U	190 U	0.1 U	0.087 U	53000 U	--	--	--	--
1,2-Dichloroethane	10	60	0.076 U	0.15 U	0.19 U	0.4 U	0.12 U	100 U	21 U	96 U	0.05 U	0.044 U	27000 U	--	--	--	--
1,2-Dichloropropane		180	0.076 U	0.15 U	0.19 U	0.4 U	0.12 U	100 U	21 U	96 U	0.05 U	0.044 U	27000 U	--	--	--	--
1,3-Dichlorobenzene		60	0.15 U	0.3 U	0.38 U	0.81 U	0.24 U	210 U	43 U	190 U	0.1 U	0.087 U	53000 U	--	--	--	--
1,4-Dichlorobenzene	150	60	0.15 U	0.3 U	0.38 U	0.81 U	0.24 U	210 U	43 U	190 U	0.1 U	0.087 U	53000 U	--	--	--	--
2-Butanone (Methyl ethyl ketone) (MEK)	4000	360	1.1 U	2.3 U	2.8 U	6.1 U	1.8 U	1600 U	320 U	1400 U	0.75 U	0.65 U	400000 U	--	--	--	--
2-Hexanone			3.8 U	7.5 U	9.5 U	20 U	5.9 U	5200 U	1100 U	4800 U	2.5 U	2.2 U	1300000 U	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)		330	3.8 U	7.5 U	9.5 U	20 U	5.9 U	5200 U	1100 U	4800 U	2.5 U	2.2 U	1300000 U	--	--	--	--
Acetone		1600	1.1 U	2.3 U	2.8 U	6.1 U	1.8 U	1600 U	320 U	1400 U	0.75 U	0.65 U	400000 U	--	--	--	--
Benzene	10	100	0.076 U	0.15 U	0.19 U	0.4 U	0.12 U	100 U	21 U	96 U	0.05 U	0.044 U	27000 U	--	--	--	--
Bromodichloromethane		150	0.15 U	0.3 U	0.38 U	0.81 U	0.24 U	210 U	43 U	190 U	0.1 U	0.087 U	53000 U	--	--	--	--
Bromoform		150	0.15 U	0.3 U	0.38 U	0.81 U	0.24 U	210 U	43 U	190 U	0.1 U	0.087 U	53000 U	--	--	--	--
Bromomethane (Methyl bromide)		150	0.38 U	0.75 U	0.95 U	2 U	0.59 U	520 U	110 U	480 U	0.25 U	0.22 U	130000 U	--	--	--	--
Carbon disulfide		48	0.38 U	0.75 U	0.95 U	2 U	0.59 U	520 U	110 U	480 U	0.25 U	0.22 U	130000 U	--	--	--	--
Carbon tetrachloride	10	60	0.076 U	0.15 U	0.19 U	0.4 U	0.12 U	100 U	21 U	96 U	0.05 U	0.044 U	27000 U	--	--	--	--
Chlorobenzene	2000	60	0.076 U	0.15 U	0.19 U	0.4 U	0.12 U	100 U	21 U	96 U	0.05 U	0.044 U	27000 U	--	--	--	--
Chloroethane		60	0.38 U	0.75 U	0.95 U	2 U	0.59 U	520 U	110 U	480 U	0.25 U	0.22 U	130000 U	--	--	--	--
Chloroform (Trichloromethane)	120	60	0.076 U	0.15 U	0.19 U	0.4 U	0.12 U	100 U	21 U	96 U	0.05 U	0.044 U	27000 U	--	--	--	--
Chloromethane (Methyl chloride)		300	0.38 U	0.75 U	0.95 U	2 U	0.59 U	520 U	110 U	480 U	0.25 U	0.22 U	130000 U	--	--	--	--
cis-1,2-Dichloroethene			0.15	0.51	0.45	1.1	0.96	200	95	250	0.024 J	0.06	5200 J	--	--	--	--
cis-1,3-Dichloropropene		180	0.076 U	0.15 U	0.19 U	0.4 U	0.12 U	100 U	21 U	96 U	0.05 U	0.044 U	27000 U	--	--	--	--
Cyclohexane			1.8 U	0.16 J	4.5 U	9.7 U	2.8 U	2500 U	22 J	2300 U	1.2 U	0.051 J	640000 U	--	--	--	--
Dibromochloromethane		150	0.076 U	0.15 U	0.19 U	0.4 U	0.12 U	100 U	21 U	96 U	0.05 U	0.044 U	27000 U	--	--	--	--
Dichlorodifluoromethane (CFC-12)		72	0.15 U	0.3 U	0.38 U	0.81 U	0.24 U	210 U	43 U	190 U	0.1 U	0.087 U	53000 U	--	--	--	--
Ethylbenzene		100	0.076 U	0.035 J	0.19 U	0.12 J	0.079 J	80 J	43	65 J	0.0079 J	0.044 U	**72000[b]**	--	--	--	--
Isopropyl benzene			0.38 U	0.75 U	0.95 U	2 U	0.023 J	520 U	6.2 J	480 U	0.25 U	0.22 U	17000 J	--	--	--	--
Methyl acetate			0.056 J	3.6 U	4.5 U	9.7 U	2.8 U	2500 U	510 U	2300 U	0.043 J	0.036 J	640000 U	--	--	--	--
Methyl cyclohexane			1.8 U	3.6 U	4.5 U	9.7 U	2.8 U	2500 U	7.5 J	2300 U	1.2 U	1 U	640000 U	--	--	--	--
Methyl tert butyl ether (MTBE)			0.38 U	0.75 U	0.95 U	2 U	0.59 U	520 U	110 U	480 U	0.25 U	0.22 U	130000 U	--	--	--	--
Methylene chloride		300	0.38 U	0.75 U	0.95 U	2 U	0.59 U	520 U	110 U	480 U	0.25 U	0.22 U	130000 U	--	--	--	--
Styrene			0.019 J	0.15 U	0.19 U	0.4 U	0.12 U	100 U	21 U	96 U	0.05 U	0.044 U	27000 U	--	--	--	--
Tetrachloroethene	14	60	0.076 U	0.15 U	0.19 U	0.4 U	0.12 U	100 U	21 U	96 U	0.05 U	0.044 U	27000 U	--	--	--	--
Toluene		100	0.15 U	0.3 U	0.38 U	0.81 U	0.079 J	94 J	31 J	73 J	0.1 U	0.087 U	**31000 J[b]**	--	--	--	--
trans-1,2-Dichloroethene		300	0.076 U	0.15 U	0.19 U	0.4 U	0.12 U	100 U	21 U	96 U	0.05 U	0.044 U	27000 U	--	--	--	--
trans-1,3-Dichloropropene		180	0.076 U	0.15 U	0.19 U	0.4 U	0.12 U	100 U	21 U	96 U	0.05 U	0.044 U	27000 U	--	--	--	--
Trichloroethene	10	60	4.5	7.1	**12[a]**	**23[a]**	5.5	**4600[ab]**	**960[ab]**	**2700[ab]**	1.7	0.66	**1400000[ab]**	--	--	--	--
Trichlorofluoromethane (CFC-11)		300	0.15 U	0.3 U	0.38 U	0.81 U	0.24 U	210 U	43 U	190 U	0.1 U	0.087 U	53000 U	--	--	--	--
Trifluorotrichloroethane (Freon 113)		300	0.38 U	0.75 U	0.95 U	2 U	0.59 U	520 U	110 U	480 U	0.25 U	0.22 U	130000 U	--	--	--	--
Vinyl chloride	4	60	0.061 U	0.12 U	0.15 U	0.32 U	0.094 U	83 U	17 U	76 U	0.04 U	0.035 U	21000 U	--	--	--	--
Xylenes (total)		300	0.064 JB	0.24 JB	0.16 JB	0.68 JB	0.73 B	**720 B[b]**	300 B	**570 B[b]**	0.063 JB	0.0081 JB	**760000[b]**	--	--	--	--
SVOCs mg/kg																	
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)			0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
2,4,5-Trichlorophenol	8000	74	0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
2,4,6-Trichlorophenol	40	74	0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
2,4-Dichlorophenol		140	0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
2,4-Dimethylphenol		140	0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
2,4-Dinitrophenol		1600	0.32 U	1 U	1.6 U	0.63 U	1 U	17 U	8.1 U	8 U	1.7 U	0.83 U	--	--	--	--	--
2,4-Dinitrotoluene	2.6	1400	0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
2,6-Dinitrotoluene		280	0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
2-Chloronaphthalene		56	0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
2-Chlorophenol		57	0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
2-Methylnaphthalene			0.0079 J	1.8 U	2.8 U	0.044 J	0.051 J	2.3 J	5.1 J	2.9 J	0.14 J	0.039 J	--	--	--	--	--
2-Methylphenol	4000	56	0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
2-Nitroaniline		140	0.43 U	1.4 U	2.1 U	0.84 U	1.4 U	23 U	11 U	11 U	2.2 U	1.1 U	--	--	--	--	--
2-Nitrophenol		130	0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
3&4-Methylphenol			0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
3,3'-Dichlorobenzidine			0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
3-Nitroaniline			0.43 U	1.4 U	2.1 U	0.84 U	1.4 U	23 U	11 U	11 U	2.2 U	1.1 U	--	--	--	--	--
4,6-Dinitro-2-methylphenol		1600	0.43 U	1.4 U	2.1 U	0.84 U	1.4 U	23 U	11 U	11 U	2.2 U	1.1 U	--	--	--	--	--
4-Bromophenyl phenyl ether		150	0.32 U	1 U	1.6 U	0.63 U	1 U	17 U	8.1 U	8 U	1.7 U	0.83 U	--	--	--	--	--
4-Chloro-3-methylphenol		140	0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
4-Chloroaniline		160	0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
4-Chlorophenyl phenyl ether			0.43 U	1.4 U	2.1 U	0.84 U	1.4 U	23 U	11 U	11 U	2.2 U	1.1 U	--	--	--	--	--
4-Nitroaniline		280	0.43 U	1.4 U	2.1 U	0.84 U	1.4 U	23 U	11 U	11 U	2.2 U	1.1 U	--	--	--	--	--
4-Nitrophenol		290	0.71 U	2.3 U	3.5 U	1.4 U	2.3 U	37 U	18 U	18 U	3.6 U	1.8 U	--	--	--	--	--
Acenaphthene		34	0.57 U	1.8 U	2.8 U	1.1 U	0.047 J	30 U	0.85 J	0.31 J	0.63 J	0.16 J	--	--	--	--	--
Acenaphthylene		34	0.57 U	1.8 U	2.8 U	1.1 U	0.094 J	30 U	14 U	14 U	0.11 J	0.023 J	--	--	--	--	--
Acetophenone		97	0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
Anthracene		34	0.013 J	1.8 U	2.8 U	0.021 J	0.13 J	30 U	14 U	14 U	1.3 J	0.34 J	--	--	--	--	--
Atrazine			0.086 U	0.28 U	0.42 U	0.17 U	0.28 U	4.5 U	2.2 U	2.1 U	0.44 U	0.22 U	--	--	--	--	--
Benzaldehyde			0.12 J	1.8 U	2.8 U	0.063 J	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
Benzo(a)anthracene		34	0.067 J	0.052 J	2.8 U	0.11 J	1 J	30 U	14 U	14 U	4	1.4 J	--	--	--	--	--
Benzo(a)pyrene		34	0.075 J	0.11 J	0.14 J	0.14 J	1.7 J	30 U	14 U	14 U	3.8	1.3 J	--	--	--	--	--
Benzo(b)fluoranthene		68	0.11 J	0.11 J	0.16 J	0.19 J	2.5	0.81 J	14 U	14 U	6	1.8	--	--	--	--	--
Benzo(g,h,i)perylene		18	0.055 J	0.11 J	0.14 J	0.099 J	0.99 J	30 U	14 U	14 U	2.1 J	1.1 J	--	--	--	--	--

TABLE 5.1

PILE SAMPLING REULTS - TOTALS ANALYSIS
PAOC 23/24 HAULAWAY BUILDING INTERIM MEASURE COMPLETION REPORT
COMPANY VEHICLE OPERATIONS
YPSILANTI, MICHIGAN

PAOC			*Soil Pile 1*	*Soil Pile 1*	*Soil Pile 2*	*Soil Pile 2*	*Soil Pile 3 & 4*	*Soil Pile 3 & 4*	*Soil Pile 5*	*Soil Pile 5*	*Soil Pile 6*	*Soil Pile 6*	*Soil Pile 3*	*Soil Pile 6*	*Soil Pile 6*	*Soil Pile 6*	*Soil Pile 6*
Sample Location:			*Excavation Stockpile*	*Excavation Stockpile*	*Excavation Stockpile*	*Excavation Stockpile*	*Excavation Stockpile*	*Excavation Stockpile*	*Excavation Stockpile*	*Excavation Stockpile*	*Excavation Stockpile*	*Excavation Stockpile*	*Paint sludge*	*Additional PCB*	*Additional PCB*	*Additional PCB*	*Wood Block*
Sample ID:	*RCRA*	*UTS*	*Soil SO-17303-123013-CT-100*	*Soil SO-17303-123013-CT-101*	*Soil SO-17303-123013-CT-102*	*Soil SO-17303-123013-CT-103*	*Soil SO-17303-123013-CT-104*	*Soil SO-17303-123013-CT-107*	*Soil SO-17303-123013-CT-105*	*Soil SO-17303-123013-CT-106*	*Soil SO-17303-123013-CT-108*	*Soil SO-17303-123013-CT-109*	*material only ST-17303-041714-DB-012*	*Delineation SO-17303-041714-DB-004*	*Delineation SO-17303-041714-DB-005*	*Delineation SO-17303-041714-DB-006*	*ST-17303-041714-DB-008*
Sample Date:			*12/30/2013*	*12/30/2013*	*12/30/2013*	*12/30/2013*	*12/30/2013*	*12/30/2013*	*12/30/2013*	*12/30/2013*	*12/30/2013*	*12/30/2013*	*04/17/2014*	*04/17/2014*	*04/17/2014*	*04/17/2014*	*04/17/2014*
Sample Type:			*Grab*	*Grab*	*Grab*	*Grab*	*Grab*	*Grab*	*Grab*	*Grab*	*Grab*	*Grab*	*Composite*	*Grab*	*Grab*	*Grab*	*Grab*
Parameters	***a***	***b***															
VOCs mg/kg																	
Benzo(k)fluoranthene		68	0.033 J	0.045 J	2.8 U	0.072 J	0.9 J	30 U	14 U	14 U	2.1 J	0.82 J	--	--	--	--	--
Biphenyl (1,1-Biphenyl)			0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	0.048 J	1.5 U	--	--	--	--	--
bis(2-Chloroethoxy)methane		72	0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
bis(2-Chloroethyl)ether		60	0.17 U	0.56 U	0.85 U	0.34 U	0.55 U	9.1 U	4.3 U	4.3 U	0.88 U	0.44 U	--	--	--	--	--
bis(2-Ethylhexyl)phthalate (DEHP)		280	0.051 JB	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
Butyl benzylphthalate (BBP)		280	0.042 J	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
Caprolactam			0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
Carbazole			0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	0.67 J	0.2 J	--	--	--	--	--
Chrysene		34	0.074 J	0.067 J	2.8 U	0.14 J	1.4 J	30 U	14 U	0.88 J	4.5	1.6	--	--	--	--	--
Dibenz(a,h)anthracene		82	0.57 U	1.8 U	2.8 U	1.1 U	0.28 J	30 U	14 U	14 U	0.63 J	1.5 U	--	--	--	--	--
Dibenzofuran			0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	0.83 J	0.42 J	0.4 J	0.078 J	--	--	--	--	--
Diethyl phthalate		280	0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
Dimethyl phthalate		280	0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
Di-n-butylphthalate (DBP)		280	2 B	0.21 JB	0.99 JB	1.1 B	5.9 B	180 B	62 B	39 B	2.6 JB	1.5 U	--	--	--	--	--
Di-n-octyl phthalate (DnOP)		280	0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
Fluoranthene		34	0.14 J	0.096 J	0.21 J	0.25 J	1.6 J	1.3 J	0.98 J	0.95 J	9.9	3.4	--	--	--	--	--
Fluorene		34	0.57 U	1.8 U	2.8 U	1.1 U	0.046 J	30 U	0.7 J	0.31 J	0.73 J	0.15 J	--	--	--	--	--
Hexachlorobenzene	2.6	100	0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
Hexachlorobutadiene	10	56	0.086 U	0.28 U	0.42 U	0.17 U	0.28 U	4.5 U	2.2 U	2.1 U	0.44 U	0.22 U	--	--	--	--	--
Hexachlorocyclopentadiene		24	0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
Hexachloroethane	60	300	0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
Indeno(1,2,3-cd)pyrene		34	0.051 J	0.098 J	2.8 U	0.1 J	0.91 J	30 U	14 U	14 U	1.9 J	0.82 J	--	--	--	--	--
Isophorone			0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
Naphthalene		56	0.01 J	1.8 U	0.045 J	0.025 J	0.1 J	9 J	8.8 J	8.7 J	0.21 J	1.5 U	--	--	--	--	--
Nitrobenzene	40	140	0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
N-Nitrosodi-n-propylamine		140	0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
N-Nitrosodiphenylamine		130	0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	30 U	14 U	14 U	2.9 U	1.5 U	--	--	--	--	--
Pentachlorophenol	2000	74	0.32 U	1 U	1.6 U	0.63 U	1 U	17 U	8.1 U	8 U	1.7 U	0.83 U	--	--	--	--	--
Phenanthrene		56	0.068 J	0.037 J	0.075 J	0.15 J	0.55 J	2.2 J	2.5 J	1.7 J	7	1.9	--	--	--	--	--
Phenol		62	0.57 U	1.8 U	2.8 U	1.1 U	1.8 U	11 J	1.9 J	3.2 J	2.9 U	1.5 U	--	--	--	--	--
Pyrene		82	0.11 J	0.094 J	0.18 J	0.2 J	1.6 J	1.1 J	1.1 J	0.96 J	7.3	2.9	--	--	--	--	--
Metals mg/kg																	
Antimony			2.4	1.3	14	8.7	2.9	440	32	77	4.0	1.8	20000000 B	--	--	--	--
Arsenic	100		3.5 B	3.2 B	3.2 B	3.1 B	3.7 B	3.7 B	2.5 B	2.4 B	4.2 B	6.2 B	43000 B[a]	--	--	--	--
Barium	2000		20 B	28 B	53 B	41 B	23 B	1400 B	110 B	220 B	48 B	56 B	13000000 B[a]	--	--	--	--
Beryllium			0.12 J	0.18	0.17	0.15	0.13 J	0.46	0.084 J	0.087 J	0.19	0.22	2400 U	--	--	--	--
Cadmium	20		0.77	0.34	0.96	0.76	0.58	22[a]	4.1	3.5	0.98	0.80	12000[a]	--	--	--	--
Chromium	100		26	18	110[a]	130[a]	32	1200[a]	310[a]	330[a]	23	22	50000000[a]	--	--	--	--
Chromium III (trivalent)			23	0.84 U	80	110	1.3	1100	280	230	21	21	--	--	--	--	--
Chromium VI (hexavalent)			2.9	77	29	16	30	100	30	97	2.5	0.80 J	--	--	--	--	--
Cobalt			2.5	2.2	2.9	3.1	2.8	6.0	3.0	3.8	3.3	4.4	85000	--	--	--	--
Copper			7.1	4.7	11	8.9	7.2	280	8.7	13	8.4	8.2	86000	--	--	--	--
Lead	100		16	11	34	31	23	160[a]	43	170[a]	64	82	2800000[a]	--	--	--	--
Manganese			140 B	180 B	160 B	220 B	140 B	280 B	110 B	120 B	290 B	620 B	280000	--	--	--	--
Mercury	4		0.018 J	0.040 U	0.043	0.026 J	0.018 J	0.58	0.049	0.026 J	0.019 J	0.018 J	540[a]	--	--	--	--
Nickel			6.2	5.4	7.1	14	7.0	11	5.4	6.3	7.4	8.2	12000 U	--	--	--	--
Selenium	20		0.32	0.18 J	0.22 J	0.20 J	0.22 J	4.5	0.68	0.59	0.22 J	0.22 J	24000 U	--	--	--	--
Silver	100		0.033 J	0.077 J	0.55	0.092 J	0.063 J	2.5	0.12 J	0.26	0.088 J	0.035 J	620 J[a]	--	--	--	--
Thallium			0.097 J	0.078 J	0.075 J	0.071 J	0.074 J	0.071 J	0.045 J	0.050 J	0.067 J	0.099 J	2900 JB	--	--	--	--
Vanadium			8.4	11	8.6	9.3	8.4	8.3	6.9	6.9	12	10	20000	--	--	--	--
Zinc			96 B	44 B	220 B	220 B	110 B	2200 B	720 B	750 B	85 B	48 B	71000000	--	--	--	--
PCBs mg/kg																	
Aroclor-1016 (PCB-1016)			0.18 U	0.34 U	0.35 U	0.28 U	0.35 U	0.19 U	0.18 U	0.28 U	18 U	0.072 U	--	0.17 U	0.35 U	0.35 U	0.99 U
Aroclor-1221 (PCB-1221)			0.18 U	0.34 U	0.35 U	0.28 U	0.35 U	0.19 U	0.18 U	0.28 U	18 U	0.072 U	--	0.17 U	0.35 U	0.35 U	0.99 U
Aroclor-1232 (PCB-1232)			0.18 U	0.34 U	0.35 U	0.28 U	0.35 U	0.19 U	0.18 U	0.28 U	18 U	0.072 U	--	0.17 U	0.35 U	0.35 U	0.99 U
Aroclor-1242 (PCB-1242)			0.18 U	0.34 U	0.35 U	0.28 U	0.35 U	0.19 U	0.18 U	0.28 U	18 U	0.072 U	--	0.17 U	0.35 U	0.35 U	0.99 U
Aroclor-1248 (PCB-1248)			0.18 U	0.34 U	0.35 U	0.28 U	0.35 U	0.19 U	0.18 U	0.28 U	18 U	0.072 U	--	0.17 U	0.35 U	0.35 U	0.99 U
Aroclor-1254 (PCB-1254)			0.18 U	0.34 U	0.35 U	0.28 U	0.35 U	0.19 U	0.18 U	0.28 U	18 U	0.072 U	--	0.17 U	0.35 U	0.35 U	2.8
Aroclor-1260 (PCB-1260)			0.79	1.6	1.1	0.39	1.3	0.39	0.13 J	0.12 J	52	0.34	--	0.62	1.3	1	0.99 U
														0.62	1.3	1	2.8

Notes:
U Not detected at the associated reporting limit
J Estimated concentration
B Not detected substantially above the level reported in the laboratory or field blanks.

a Exceeded 20 x RCRA values
b Exceeded 10 x UTS values

TABLE 5.2

PILE SAMPLING RESULTS - TCLP ANALYSIS
PAOC 23/24 HAULAWAY BUILDING INTERIM MEASURE COMPLETION REPORT
COMPANY VEHICLE OPERATIONS
YPSILANTI, MICHIGAN

Sample Location:		*RCRA*	*UTS*	*Soil Pile 1*	*Soil Pile 2*	*Soil Pile 3*	*Soil Pile 3*	*Soil Pile 4*	*Soil Pile 5*	*Soil Pile 6*
Sample ID:			*x10*	*SO-17303-041714-DB-001*	*SO-17303-041714-DB-002*	*SO-17303-041714-DB-010*	*ST-17303-041714-DB-011*	*SO-17303-041714-DB-009*	*SO-17303-041714-DB-003*	*SO-17303-041714-DB-007*
Sample Date:				*04/17/2014*	*04/17/2014*	*04/17/2014*	*04/17/2014*	*04/17/2014*	*04/17/2014*	*04/17/2014*
Sample Type:				*Composite*	*Composite*	*Composite*	*Composite (Paint Sludge)*	*Composite*	*Composite*	*Composite*
Parameters	*Units*	*a*	*b*							
TCLP VOCs										
1,1-Dichloroethene	mg/L	0.7		0.025 U	0.025 U	0.10 U	0.10 U	0.025 U	0.025 U	0.025 U
1,2-Dichloroethane	mg/L	0.5		0.025 U	0.025 U	0.10 U	0.10 U	0.025 U	0.025 U	0.025 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	200.0		0.25 U	0.25 U	1.0 U	1.0 U	0.25 U	0.25 U	0.25 U
Benzene	mg/L	0.5		0.025 U	0.025 U	0.10 U	0.10 U	0.025 U	0.025 U	0.025 U
Carbon tetrachloride	mg/L	0.5		0.025 U	0.025 U	0.10 U	0.10 U	0.025 U	0.025 U	0.025 U
Chlorobenzene	mg/L	100.0		0.025 U	0.025 U	0.10 U	0.10 U	0.025 U	0.025 U	0.025 U
Chloroform (Trichloromethane)	mg/L	6.0		0.025 U	0.025 U	0.10 U	0.10 U	0.025 U	0.025 U	0.025 U
Tetrachloroethene	mg/L	0.7		0.025 U	0.025 U	0.10 U	0.10 U	0.025 U	0.025 U	0.025 U
Trichloroethene	mg/L	0.5		3.3[a]	0.057	6.3[a]	5.0[a]	0.095	0.021 J	0.025 U
Vinyl chloride	mg/L	0.2		0.025 U	0.025 U	0.10 U	0.10 U	0.025 U	0.025 U	0.025 U
TCLP SVOCs										
1,4-Dichlorobenzene	mg/L	7.5		0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
2,4,5-Trichlorophenol	mg/L	400.0		0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
2,4,6-Trichlorophenol	mg/L	2.0		0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
2,4-Dinitrotoluene	mg/L	0.13		0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
2-Methylphenol	mg/L	200.0		0.00081 J	0.0040 U	0.0018 J	0.0040 U	0.0040 U	0.0040 U	0.0040 U
3&4-Methylphenol	mg/L			0.0053 J	0.040 U	0.0055 J	0.055	0.0019 J	0.040 U	0.040 U
Hexachlorobenzene	mg/L	0.13		0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Hexachlorobutadiene	mg/L	0.5		0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Hexachloroethane	mg/L	3.0		0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Nitrobenzene	mg/L	2.0		0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Pentachlorophenol	mg/L	100.0		0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
Pyridine	mg/L	5.0		0.020	0.020 U	0.023	0.15	0.020 U	0.020 U	0.020 U
TCLP Metals										
Arsenic	mg/L	5	50	0.0087 JB	0.0064 JB	0.0089 JB	0.27 JB	0.0069 JB	0.0046 JB	0.0072 JB
Barium	mg/L	100	210	0.59 JB	0.62 JB	0.86 JB	0.094 JB	0.89 JB	0.46 JB	0.64 JB
Cadmium	mg/L	1	1.1	0.011 J	0.021 J	0.077 J	0.079 J	0.013 J	0.0072 J	0.016 J
Chromium	mg/L	5	6	0.063 J	0.25 J	2.7	210[ab]	0.040 J	0.044 J	0.0035 J
Lead	mg/L	5	7.5	0.46 J	0.079 J	0.15 J	0.014 J	0.020 J	0.015 J	11[ab]
Mercury	mg/L	0.2	0.25	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Selenium	mg/L	1	57	0.0052 J	0.0061 J	0.0042 J	1.0 U	0.25 U	0.0086 J	0.25 U
Silver	mg/L	5	1.4	0.50 U	0.50 U	0.50 U	2.0 U	0.50 U	0.50 U	0.50 U

Notes:
U Not detected at the associated reporting limit
J Estimated concentration
B Not detected substantially above the level reported in the laboratory or field blanks
a Exceeded RCRA values
b Exceeded UTS values

WASTE CHARACTERIZATION AND DISPOSAL OPTION SUMMARY
PAOC 23/24 HAULAWAY BUILDING INTERIM MEASURE COMPLETION REPORT
COMPANY VEHICLE OPERATIONS
YPSILANTI, MICHIGAN

Pile	Interval (feet bgs)	Waste Classification	Disposal Option
1	0.5-1.5	RCRA Hazardous - TCE (<Alt TS, no UHCs)	Direct landfill – hazardous landfill
2	1.5-3	RCRA non-hazardous	Direct landfill – non-hazardous landfill
3 / 4	3-9	RCRA Haz - TCE & Chromium (>Alt TS, UHCs present [2])	Landfill after treatment to alternative treatment standards for soil – hazardous landfill
5	9-11	RCRA non-hazardous	Direct landfill – non-hazardous landfill
6	Helical Piers	RCRA Hazardous - lead (>Alt TS, no UHCs)	Landfill after treatment to alternative treatment standards for soil – hazardous landfill
6 - TSCA[1]	Helical Piers	RCRA non hazardous, TSCA (PCBs > 50ppm)	Direct landfill – TSCA landfill

Notes

bgs - below ground surface (top of concrete)

TCE - trichloroethene

Alt TS: Alternate Land Disposal Restriction Treatment Standards for Soil

UHC - Underlying Hazardous Constituents

[1] -December 2013 sample from Pile 6 had a PCB concentration of 52 ppm, three step out samples were collected in April 2014 to delineate the extent of PCB impacts (results were 0.62, 1.3, and 1.0 ppm)

[2] - UHCs are present that require treatment at the disposal facility prior to land filling of the waste material.

Appendix A

Project Photographs

Appendix A

Excavation Photos


12/20/2013


12/24/2013


12/24/2013


12/18/2013


12/18/2013


12/18/2013

Appendix A

Infiltration Gallery and Backfill Photos


12/26/2013


12/26/2013


12/26/2013


12/26/2013


12/26/2013


12/26/2013


12/27/2013


12/27/2013


12/31/2013


12/31/2013


12/31/2013


12/31/2013

12/31/2013


12/31/2013


Stantec
01/14/2014


01/14/2014


SPEED
LIMIT
5
01/14/2014


8
7
SPEED
LIMIT
5
01/14/2014


8
9
01/14/2014


01/15/2014


01/15/2014


01/15/2014


01/15/2014

Appendix A

Pre Excavation Photos


11/21/2013


12/11/2013


12/11/2013


Bobcat
12/11/2013


12/11/2013

12/17/2013


12/17/2013


12/04/2013


12/17/2013


12/04/2013


12/17/2013


9
8
12/04/2013


12/17/2013


12/04/2013


12/17/2013


9
12/04/2013


12/17/2013


12/04/2013


Bobcat
Bobcat
12/17/2013


12/04/2013


12/17/2013


12/04/2013


12/18/2013


Palletainer
F730170

Appendix A

Soil Loading for Disposal Photos






A.D. TRANSPORT
EXPRESS
XTRA
XTRA
CSX
L90C


CSX
S&C
TRANSPORT, INC.




VOLVO

Appendix B

Analytical Reports and Data Validation Memorandum

CONESTOGA-ROVERS
& ASSOCIATES

14496 Sheldon Road, Suite #200
Plymouth, Michigan 48170
Telephone: (734) 453-5123 Fax: (734) 453-5201
www.CRAworld.com

MEMORANDUM

TO:	Beth Landale	REF. NO.:	017303
FROM:	Nancy Bergstrom/tl/164/Det	DATE:	March 6, 2014
RE:	**Analytical Results and Data Compliance Check IM Implementation Sampling Willow Run Company Vehicle Operations Site Ypsilanti, Michigan December 2013**		

1.0 Introduction

The following document details a data compliance check of analytical results for soil samples collected in support of the IM Implementation Sampling at the Willow Run Company Vehicle Operations (CVO) Site during December 2013. Samples were submitted to TestAmerica Laboratories, Inc., located in North Canton, Ohio. A sample collection and analysis summary is presented in Table 1.

Standard Conestoga-Rovers & Associates (CRA) report deliverables were submitted by the laboratory. Chain of custody forms and finished report forms were assessed to verify that the requested laboratory methods and procedures were performed and to verify that all samples were analyzed for the correct parameter list. Evaluation of the holding time and trip blank data was based on information obtained from the chain of custody forms, finished report forms, and field QC samples.

2.0 Laboratory Methods and Parameter Lists

All samples were analyzed for the correct parameter lists by the requested laboratory methods and procedures.

3.0 Sample Holding Time and Preservation

Sample chain of custody documents and analytical reports were used to determine sample holding times. The analysis of several volatile organic compound (VOC) parameters for four sample required dilution and reanalysis. The reanalyzes of these samples were performed outside of the required holding time period. Table 2 presents the data qualified for violation of holding time period. All remaining samples were prepared and analyzed within the required holding times.

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All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (4 +/- 2°C).

4.0 Trip Blank Samples

To evaluate contamination from sample collection, transportation, storage, and analytical activities, trip blank samples were submitted to the laboratory for VOC analysis. Table 3 presents the data qualified for trip blank sample contamination. All remaining results were non-detect for the compounds of interest.

5.0 Conclusion

Based on the assessment detailed in the foregoing, the data summarized are acceptable with the specific qualifications noted herein.

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
IM IMPLEMENTATION SAMPLING
WILLOW RUN COMPANY VEHICLE OPERATIONS SITE
YPSILANTI, MICHIGAN
DECEMBER 2013

						Analysis/Parameters	
Sample Identification	***Location***	***Matrix***	***Sample Depth (ft. bgs.)***	***Collection Date (mm/dd/yyyy)***	***Collection Time (hr:min)***	***TCL VOC***	***Comments***
SO-17303-122013-DB-001	East Portion of Excavation	soil	11	12/20/2013	13:30	X	
SO-17303-122013-DB-002	East Portion of Excavation	soil	9	12/20/2013	13:32	X	
SO-17303-122013-DB-003	East Portion of Excavation	soil	9	12/20/2013	13:33	X	
SO-17303-122013-DB-004	East Portion of Excavation	soil	9	12/20/2013	13:35	X	
TB-17303-122013	--	--	--	12/20/2013	--	X	Trip blank
S0-17303-122613-MA-005	Bottom of Excavation	soil	11	12/26/2013	9:10	X	
S0-17303-122613-MA-006	Sidewall of Excavation	soil	9	12/27/2013	9:15	X	
S0-17303-122613-MA-007	Sidewall of Excavation	soil	9	12/28/2013	9:20	X	
S0-17303-123113-CT-008	Bottom of Excavation	soil	11	12/31/2013	8:40	X	
S0-17303-123113-CT-009	Sidewall of Excavation	soil	8	12/31/2013	8:43	X	

Notes:

TCL - Target Compound List
VOC - Volatile Organic Compounds
ft. bgs. - feet below ground surface

TABLE 2

QUALIFIED SAMPLE RESULTS DUE TO HOLDING TIME EXCEEDANCE
IM IMPLEMENTATION SAMPLING
WILLOW RUN COMPANY VEHICLE OPERATIONS SITE
YPSILANTI, MICHIGAN
DECEMBER 2013

Parameter	*Sample ID*	*Holding Time (days)*	*Holding Time Criteria (days)*	*Analyte*	*Qualified Sample Results*		*Units*
TCL VOC	SO-17303-122013-DB-001	14	17	Ethylbenzene	17000	J	µg/kg
				Methylcyclohexane	4000	J	µg/kg
				Toluene	13000	J	µg/kg
				cis-1,2-Dichloroethene	170000	J	µg/kg
				Trichloroethene	33000	J	µg/kg
				Isopropylbenzene	3300	J	µg/kg
TCL VOC	SO-17303-122013-DB-002	14	17	cis-1,2-Dichloroethene	110000	J	µg/kg
				Trichloroethene	110000	J	µg/kg
TCL VOC	SO-17303-122013-DB-003	14	17	cis-1,2-Dichloroethene	23000	J	µg/kg
				Trichloroethene	140000	J	µg/kg
TCL VOC	SO-17303-122013-DB-004	14	17	cis-1,2-Dichloroethene	39000	J	µg/kg

Notes:

J - Estimated concentration
TCL - Target Compound List
VOC - Volatile Organic Compounds

TABLE 3

QUALIFIED SAMPLE DATA DUE TO ANALYTE CONCENTRATIONS IN THE TRIP BLANKS
IM IMPLEMENTATION SAMPLING
WILLOW RUN COMPANY VEHICLE OPERATIONS SITE
YPSILANTI, MICHIGAN
DECEMBER 2013

Parameter	*Blank Date*	*Analyte*	*Blank Result*	*Associated Sample ID*	*Original Result*	*Qualified Result*	*Units*
TCL VOC	12/31/2013	2-Butanone	71	SO-17303-122013-DB-001	210 J	720 U	µg/kg

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
TCL - Target Compound List
VOC - Volatile Organic Compounds

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-32991-1
Client Project/Site: 17303-T03-025, RACER CVO

For:
Conestoga-Rovers & Associates, Inc.
14496 Sheldon Road, Suite 200
Plymouth, Michigan 48170

Attn: Rawa Fleisher

Denise D Heckler

Authorized for release by:
1/15/2014 2:37:40 PM

Denise Heckler, Project Manager II
(330)966-9477
denise.heckler@testamericainc.com

LINKS

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Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Definitions/Glossary 5
Sample Summary 6
Detection Summary 7
Method Summary 8
Client Sample Results 9
QC Association Summary 14
QC Sample Results 15
Surrogate Summary 16
Lab Chronicle 17
Certification Summary 18
Chain of Custody 19

Job ID: 240-32991-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 17303-T03-025, RACER CVO

Report Number: 240-32991-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 12/31/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.4º C and 4.0º C.

TCLP VOLATILE ORGANIC COMPOUNDS (GCMS)

Sample WW-17303-123013-CT-004 (240-32991-1) was analyzed for TCLP volatile organic compounds (GCMS) in accordance with EPA SW-846 Methods 1311/8260B. The samples were analyzed on 01/14/2014.

The laboratory control sample (LCS) for batch 116131 recovered outside control limits for the following analyte: 1,2-dichloroethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data has been reported.

No difficulties were encountered during the VOCs analysis.

All quality control parameters were within the acceptance limits.

TCLP SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Sample WW-17303-123013-CT-004 (240-32991-1) was analyzed for TCLP semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Methods 1311/8270C. The samples were leached on 01/02/2014, prepared on 01/03/2014 and analyzed on 01/07/2014.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and

Job ID: 240-32991-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

no corrective action is required.

The following samples were diluted due to the nature of the sample matrix: (240-32991-1 MS), WW-17303-123013-CT-004 (240-32991-1). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the SVOCs analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample WW-17303-123013-CT-004 (240-32991-1) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 01/02/2014 and analyzed on 01/03/2014.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Aroclor-1260 failed the recovery criteria high for the MSD of sample WW-17303-123013-CT-004MSD (240-32991-1) in batch 240-115738.

The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: (240-32991-1 MS), (240-32991-1 MSD), WW-17303-123013-CT-004 (240-32991-1). Lot # S65830

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

TCLP SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Sample WW-17303-123013-CT-004 (240-32991-1) was analyzed for TCLP semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Methods 1311/8270C. The samples were analyzed on 01/09/2014.

No difficulties were encountered during the SVOCs analysis.

All quality control parameters were within the acceptance limits.

TCLP METALS (ICP)

Sample WW-17303-123013-CT-004 (240-32991-1) was analyzed for TCLP metals (ICP) in accordance with EPA SW-846 Methods 1311/6010B. The samples were analyzed on 01/08/2014.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

TCLP MERCURY

Sample WW-17303-123013-CT-004 (240-32991-1) was analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were analyzed on 01/08/2014.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
F1	MS and/or MSD Recovery exceeds the control limits

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

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
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32991-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-32991-1	WW-17303-123013-CT-004	Waste	12/30/13 11:50	12/31/13 09:50

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32991-1

Client Sample ID: WW-17303-123013-CT-004

Lab Sample ID: 240-32991-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	3200		33		mg/L	1		8260B	TCLP
Pyridine	94		25		mg/L	1		8270C	TCLP
Aroclor-1254	11000		980		ug/Kg	1		8082	Total/NA
Cadmium	0.29		0.10		mg/L	1		6010B	TCLP
Chromium	0.50		0.50		mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32991-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS) - Calculated	SW846	TAL CAN
8270C	Semivolatile Organic Compounds (GC/MS) - Calculated	SW846	TAL CAN
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CAN
6010B	Metals (ICP) - Calculated	SW846	TAL CAN
7470A	Mercury (CVAA) - Calculated	SW846	TAL CAN

Protocol References:

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

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32991-1

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

Client Sample ID: WW-17303-123013-CT-004
Date Collected: 12/30/13 11:50
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32991-1
Matrix: Waste

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	33	U	33		mg/L			01/14/14 20:15	1
1,2-Dichloroethane	33	U	33		mg/L			01/14/14 20:15	1
2-Butanone (MEK)	330	U	330		mg/L			01/14/14 20:15	1
Benzene	33	U	33		mg/L			01/14/14 20:15	1
Carbon tetrachloride	33	U	33		mg/L			01/14/14 20:15	1
Chlorobenzene	33	U	33		mg/L			01/14/14 20:15	1
Chloroform	33	U	33		mg/L			01/14/14 20:15	1
Tetrachloroethene	33	U	33		mg/L			01/14/14 20:15	1
Trichloroethene	**3200**		33		mg/L			01/14/14 20:15	1
Vinyl chloride	33	U	33		mg/L			01/14/14 20:15	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32991-1

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

Client Sample ID: WW-17303-123013-CT-004
Date Collected: 12/30/13 11:50
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32991-1
Matrix: Waste

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	5.0	U	5.0		mg/L			01/09/14 08:36	1
2,4,5-Trichlorophenol	25	U	25		mg/L			01/09/14 08:36	1
2,4,6-Trichlorophenol	25	U	25		mg/L			01/09/14 08:36	1
2,4-Dinitrotoluene	25	U	25		mg/L			01/09/14 08:36	1
Hexachlorobenzene	25	U	25		mg/L			01/09/14 08:36	1
Hexachlorobutadiene	25	U	25		mg/L			01/09/14 08:36	1
Hexachloroethane	25	U	25		mg/L			01/09/14 08:36	1
3 & 4 Methylphenol	50	U	50		mg/L			01/09/14 08:36	1
2-Methylphenol	5.0	U	5.0		mg/L			01/09/14 08:36	1
Nitrobenzene	5.0	U	5.0		mg/L			01/09/14 08:36	1
Pentachlorophenol	50	U	50		mg/L			01/09/14 08:36	1
Pyridine	**94**		25		mg/L			01/09/14 08:36	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32991-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WW-17303-123013-CT-004
Date Collected: 12/30/13 11:50
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32991-1
Matrix: Waste

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	980	U	980		ug/Kg		01/02/14 11:44	01/03/14 04:48	1
Aroclor-1221	980	U	980		ug/Kg		01/02/14 11:44	01/03/14 04:48	1
Aroclor-1232	980	U	980		ug/Kg		01/02/14 11:44	01/03/14 04:48	1
Aroclor-1242	980	U	980		ug/Kg		01/02/14 11:44	01/03/14 04:48	1
Aroclor-1248	980	U	980		ug/Kg		01/02/14 11:44	01/03/14 04:48	1
Aroclor-1254	**11000**		980		ug/Kg		01/02/14 11:44	01/03/14 04:48	1
Aroclor-1260	980	U	980		ug/Kg		01/02/14 11:44	01/03/14 04:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*71*		*29 - 173*	*01/02/14 11:44*	*01/03/14 04:48*	*1*
DCB Decachlorobiphenyl	*88*		*13 - 185*	*01/02/14 11:44*	*01/03/14 04:48*	*1*

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32991-1

Method: 6010B - Metals (ICP) - Calculated - TCLP

Client Sample ID: WW-17303-123013-CT-004
Date Collected: 12/30/13 11:50
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32991-1
Matrix: Waste

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.50	U	0.50		mg/L			01/08/14 04:30	1
Barium	10	U	10		mg/L			01/08/14 04:30	1
Cadmium	**0.29**		0.10		mg/L			01/08/14 04:30	1
Chromium	**0.50**		0.50		mg/L			01/08/14 04:30	1
Lead	0.50	U	0.50		mg/L			01/08/14 04:30	1
Selenium	0.26	U	0.26		mg/L			01/08/14 04:30	1
Silver	0.50	U	0.50		mg/L			01/08/14 04:30	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32991-1

Method: 7470A - Mercury (CVAA) - Calculated - TCLP

Client Sample ID: WW-17303-123013-CT-004
Date Collected: 12/30/13 11:50
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32991-1
Matrix: Waste

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.0033	U	0.0033		mg/L			01/08/14 04:31	1

GC/MS VOA

Analysis Batch: 116646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32991-1	WW-17303-123013-CT-004	TCLP	Waste	8260B	

GC/MS Semi VOA

Analysis Batch: 116182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32991-1	WW-17303-123013-CT-004	TCLP	Waste	8270C	

GC Semi VOA

Prep Batch: 115678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32991-1	WW-17303-123013-CT-004	Total/NA	Waste	3580A	
240-32991-1 MS	WW-17303-123013-CT-004	Total/NA	Waste	3580A	
240-32991-1 MSD	WW-17303-123013-CT-004	Total/NA	Waste	3580A	
LCS 240-115678/5-A	Lab Control Sample	Total/NA	Waste	3580A	
MB 240-115678/4-A	Method Blank	Total/NA	Waste	3580A	

Analysis Batch: 115738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32991-1	WW-17303-123013-CT-004	Total/NA	Waste	8082	115678
240-32991-1 MS	WW-17303-123013-CT-004	Total/NA	Waste	8082	115678
240-32991-1 MSD	WW-17303-123013-CT-004	Total/NA	Waste	8082	115678
LCS 240-115678/5-A	Lab Control Sample	Total/NA	Waste	8082	115678
MB 240-115678/4-A	Method Blank	Total/NA	Waste	8082	115678

Metals

Analysis Batch: 116042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32991-1	WW-17303-123013-CT-004	TCLP	Waste	6010B	

Analysis Batch: 116043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32991-1	WW-17303-123013-CT-004	TCLP	Waste	7470A	

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 240-115678/4-A
Matrix: Waste
Analysis Batch: 115738

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115678

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	1000	U	1000		ug/Kg		01/02/14 11:44	01/03/14 05:31	1
Aroclor-1221	1000	U	1000		ug/Kg		01/02/14 11:44	01/03/14 05:31	1
Aroclor-1232	1000	U	1000		ug/Kg		01/02/14 11:44	01/03/14 05:31	1
Aroclor-1242	1000	U	1000		ug/Kg		01/02/14 11:44	01/03/14 05:31	1
Aroclor-1248	1000	U	1000		ug/Kg		01/02/14 11:44	01/03/14 05:31	1
Aroclor-1254	1000	U	1000		ug/Kg		01/02/14 11:44	01/03/14 05:31	1
Aroclor-1260	1000	U	1000		ug/Kg		01/02/14 11:44	01/03/14 05:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*108*		*29 - 173*	*01/02/14 11:44*	*01/03/14 05:31*	*1*
DCB Decachlorobiphenyl	*69*		*13 - 185*	*01/02/14 11:44*	*01/03/14 05:31*	*1*

Lab Sample ID: LCS 240-115678/5-A
Matrix: Waste
Analysis Batch: 115738

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115678

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016			10000	10400		ug/Kg		104	66 - 149		
Aroclor-1260			10000	10100		ug/Kg		101	50 - 155		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*125*		*29 - 173*
DCB Decachlorobiphenyl	*102*		*13 - 185*

Lab Sample ID: 240-32991-1 MS
Matrix: Waste
Analysis Batch: 115738

Client Sample ID: WW-17303-123013-CT-004
Prep Type: Total/NA
Prep Batch: 115678

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016	980	U	9900	14200		ug/Kg		143	10 - 178		
Aroclor-1260	980	U	9900	13000		ug/Kg		131	26 - 143		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*76*		*29 - 173*
DCB Decachlorobiphenyl	*93*		*13 - 185*

Lab Sample ID: 240-32991-1 MSD
Matrix: Waste
Analysis Batch: 115738

Client Sample ID: WW-17303-123013-CT-004
Prep Type: Total/NA
Prep Batch: 115678

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	980	U	9800	16200		ug/Kg		165	10 - 178	13	30
Aroclor-1260	980	U	9800	15900	F1	ug/Kg		162	26 - 143	21	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*87*		*29 - 173*
DCB Decachlorobiphenyl	*122*		*13 - 185*

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32991-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Waste **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		TCX1	DCB1								
Lab Sample ID	Client Sample ID	(29-173)	(13-185)								
240-32991-1	WW-17303-123013-CT-004	71	88								
240-32991-1 MS	WW-17303-123013-CT-004	76	93								
240-32991-1 MSD	WW-17303-123013-CT-004	87	122								
LCS 240-115678/5-A	Lab Control Sample	125	102								
MB 240-115678/4-A	Method Blank	108	69								

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32991-1

Client Sample ID: WW-17303-123013-CT-004
Date Collected: 12/30/13 11:50
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32991-1
Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Analysis	8260B		1	116646	01/14/14 20:15	TJL1	TAL CAN
TCLP	Analysis	8270C		1	116182	01/09/14 08:36	KHG	TAL CAN
Total/NA	Prep	3580A			115678	01/02/14 11:44	MPM	TAL CAN
Total/NA	Analysis	8082		1	115738	01/03/14 04:48	HMB	TAL CAN
TCLP	Analysis	6010B		1	116042	01/08/14 04:30	KLC	TAL CAN
TCLP	Analysis	7470A		1	116043	01/08/14 04:31	KLC	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32991-1

Laboratory: TestAmerica Canton

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

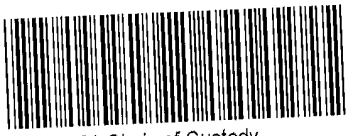
Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14
Connecticut	State Program	1	PH-0590	12-31-13 *
Florida	NELAP	4	E87225	06-30-14
Georgia	State Program	4	N/A	06-30-14
Illinois	NELAP	5	200004	07-31-14 *
Kansas	NELAP	7	E-10336	01-31-14 *
Kentucky (UST)	State Program	4	58	06-30-14
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-13 *
Nevada	State Program	9	OH-000482008A	07-31-14
New Jersey	NELAP	2	OH001	06-30-14
New York	NELAP	2	10975	04-01-14
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-14 *
Texas	NELAP	6		08-31-14 *
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-14
Washington	State Program	10	C971	01-12-14 *
West Virginia DEP	State Program	3	210	01-31-14 *
Wisconsin	State Program	5	999518190	08-31-14

* Expired certification is currently pending renewal and is considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS



240-32991 Chain of Custody

CHAIN OF CUSTODY RECORD

4.0, 2.4

COC NO.: PL-13717

PAGE ___ OF ___

(See Reverse Side for Instructions)

CONESTOGA-ROVERS & ASSOCIATES

14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170

Phone: (734) 453-5123 Fax: (734) 453-5201

Project No/ Phase/Task Code: 17303-T03-01413	Laboratory Name: Test America	Lab Location: North Canton, OH	SSOW ID: 17303-T03-025
Project Name: CVO	Lab Contact: Denise Hechler	Lab Quote No:	Cooler No: 2
Project Location: Ypsilanti, MI			Carrier: Fed Ex
Chemistry Contact: Rawa Fleisher			Airbill No:
Sampler(s): Chris Tart			Date Shipped: 12/30/13

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Container Quantity & Preservation: Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	Analysis Requested: TCLP VOCs	TCLP SVOCs	TCLP Metals	PCBs	MS/MSD Request	Comments/ Special Instructions:
1	WW-17303-123013-CT-001	12/30/13	1150	WW	G	1								1	✓	✓	✓	✓		
2	CT End of Batch																			
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				

TAT Required in business days (use separate COCs for different TATs):

☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other:

Total Number of Containers: 1

All Samples in Cooler must be on COC

Notes/ Special Requirements:

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. Christopher J Tart	CRA	12/30/13	1400	1.	TA Canton	12/31/13	9:50am
2.				2.			
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10A (20110804)

TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 320991

Client CRA Site Name CVO

Cooler Received on 12/31/13 Opened on 12/31/13

Cooler unpacked by:

FedEx: 1st Grd (Exp) UPS FAS Stetson Client Drop Off TestAmerica Courier Other

TestAmerica Cooler # Foam Box Client Cooler Box Other

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A	(CF +0 °C) Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	
IR GUN# 4	(CF -1 °C) Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	☒ See Multiple Cooler Form
IR GUN# 5	(CF +1 °C) Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	
IR GUN# 8	(CF +1 °C) Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity_____ Yes (No)
   -Were custody seals on the outside of the cooler(s) signed & dated? Yes No (NA)
   -Were custody seals on the bottle(s)? Yes (No)
3. Shippers' packing slip attached to the cooler(s)? (Yes) No
4. Did custody papers accompany the sample(s)? (Yes) No
5. Were the custody papers relinquished & signed in the appropriate place? (Yes) No
6. Did all bottles arrive in good condition (Unbroken)? (Yes) No
7. Could all bottle labels be reconciled with the COC? (Yes) No
8. Were correct bottle(s) used for the test(s) indicated? (Yes) No
9. Sufficient quantity received to perform indicated analyses? (Yes) No
10. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC391902
11. Were VOAs on the COC? (Yes) No
12. Were air bubbles >6 mm in any VOA vials? Yes No (NA)
13. Was a trip blank present in the cooler(s)? Yes (No)

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: David W. Green

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

TestAmerica Multiple Cooler Receipt Form/Narrative
Canton Facility

Login # : 32991

Cooler #	IR Gun #	Observed Temp °C	Corrected Temp °C	Coolant
TA MT 1	A 1	4.0 2.4	4.0 2.4	ICE 1

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-32820-1
Client Project/Site: 17303-T01-025, RACER CVO

For:
Conestoga-Rovers & Associates, Inc.
14496 Sheldon Road, Suite 200
Plymouth, Michigan 48170

Attn: Rawa Fleisher

Denise D Heckler

Authorized for release by:
1/8/2014 1:35:14 PM

Denise Heckler, Project Manager II
(330)966-9477
denise.heckler@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Definitions/Glossary 5
Sample Summary 6
Detection Summary 7
Method Summary 9
Client Sample Results 10
QC Association Summary 24
QC Sample Results 25
Surrogate Summary 28
Lab Chronicle 29
Certification Summary 31
Chain of Custody 32

Job ID: 240-32820-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 17303-T01-025, RACER CVO

Report Number: 240-32820-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 12/21/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.8 C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples SO-17303-122013-DB-001 (240-32820-1), SO-17303-122013-DB-002 (240-32820-2), TB-17303-122013 (240-32820-3), SO-17303-122013-DB-003 (240-32820-4) and SO-17303-122013-DB-004 (240-32820-5) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 12/30/2013 and analyzed on 01/06/2014 and 12/31/2013.

The laboratory control sample (LCS) for batch 115376 recovered outside control limits for the following analyte(s): bromomethane, and chloroethane. These analytes have been identified as poor performing analytes when analyzed using this method; therefore, re-extraction/re-analysis was not performed. The results have been reported and qualified.

Two analyses were used to report the samples SO-17303-122013-DB-001 (240-32820-1), SO-17303-122013-DB-002 (240-32820-2), SO-17303-122013-DB-003 (240-32820-4), SO-17303-122013-DB-004 (240-32820-5) due to high analyte concentrations.

The following samples required a dilution which was performed outside of the analytical holding time: SO-17303-122013-DB-001 (240-32820-1), SO-17303-122013-DB-002 (240-32820-2), SO-17303-122013-DB-003 (240-32820-4), SO-17303-122013-DB-004 (240-32820-5).

Job ID: 240-32820-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Samples SO-17303-122013-DB-001 (240-32820-1)[50X], SO-17303-122013-DB-002 (240-32820-2)[100X], SO-17303-122013-DB-002 (240-32820-2)[8X], SO-17303-122013-DB-003 (240-32820-4)[100X], SO-17303-122013-DB-004 (240-32820-5)[100X] and SO-17303-122013-DB-004 (240-32820-5)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOCs analysis.

All other quality control parameters were within the acceptance limits.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits
E	Result exceeded calibration range.
H	Sample was prepped or analyzed beyond the specified holding time
X	Surrogate is outside control limits

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
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T01-025, RACER CVO

TestAmerica Job ID: 240-32820-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-32820-1	SO-17303-122013-DB-001	Solid	12/20/13 13:30	12/21/13 11:45
240-32820-2	SO-17303-122013-DB-002	Solid	12/20/13 13:32	12/21/13 11:45
240-32820-3	TB-17303-122013	Solid	12/20/13 00:00	12/21/13 11:45
240-32820-4	SO-17303-122013-DB-003	Solid	12/20/13 13:33	12/21/13 11:45
240-32820-5	SO-17303-122013-DB-004	Solid	12/20/13 13:35	12/21/13 11:45

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T01-025, RACER CVO

TestAmerica Job ID: 240-32820-1

Client Sample ID: SO-17303-122013-DB-001 — Lab Sample ID: 240-32820-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	390	J	720	200	ug/Kg	1	☼	8260B	Total/NA
Benzene	830		48	14	ug/Kg	1	☼	8260B	Total/NA
2-Butanone (MEK)	210	J	720	51	ug/Kg	1	☼	8260B	Total/NA
Chloroform	17	J	48	11	ug/Kg	1	☼	8260B	Total/NA
1,1-Dichloroethene	390		48	22	ug/Kg	1	☼	8260B	Total/NA
Ethylbenzene	24000	E	48	6.5	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene	140		48	14	ug/Kg	1	☼	8260B	Total/NA
Toluene	15000	E	96	20	ug/Kg	1	☼	8260B	Total/NA
Trichloroethene	39000	E	48	12	ug/Kg	1	☼	8260B	Total/NA
Vinyl chloride	850		38	22	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	120000		140	7.4	ug/Kg	1	☼	8260B	Total/NA
Cyclohexane	400	J	1100	48	ug/Kg	1	☼	8260B	Total/NA
cis-1,2-Dichloroethene	110000	E	48	8.3	ug/Kg	1	☼	8260B	Total/NA
trans-1,2-Dichloroethene	270		48	11	ug/Kg	1	☼	8260B	Total/NA
Isopropylbenzene	5300	E	240	7.8	ug/Kg	1	☼	8260B	Total/NA
Methyl acetate	82	J	1100	30	ug/Kg	1	☼	8260B	Total/NA
1,2,4-Trichlorobenzene	23	J	240	8.7	ug/Kg	1	☼	8260B	Total/NA
1,2-Dichlorobenzene	380		96	10	ug/Kg	1	☼	8260B	Total/NA
Methylcyclohexane	6300	E	1100	14	ug/Kg	1	☼	8260B	Total/NA
Ethylbenzene - RA	17000	H	2400	320	ug/Kg	50	☼	8260B	Total/NA
Toluene - RA	13000	H	4800	1000	ug/Kg	50	☼	8260B	Total/NA
Trichloroethene - RA	33000	H	2400	580	ug/Kg	50	☼	8260B	Total/NA
cis-1,2-Dichloroethene - RA	170000	H	2400	410	ug/Kg	50	☼	8260B	Total/NA
Isopropylbenzene - RA	3300	J H	12000	390	ug/Kg	50	☼	8260B	Total/NA
Methylcyclohexane - RA	4000	J H	57000	720	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: SO-17303-122013-DB-002 — Lab Sample ID: 240-32820-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	330	J	410	120	ug/Kg	8	☼	8260B	Total/NA
1,1-Dichloroethene	210	J	410	190	ug/Kg	8	☼	8260B	Total/NA
Ethylbenzene	580		410	56	ug/Kg	8	☼	8260B	Total/NA
Tetrachloroethene	230	J	410	120	ug/Kg	8	☼	8260B	Total/NA
Toluene	370	J	830	180	ug/Kg	8	☼	8260B	Total/NA
Trichloroethene	140000	E	410	100	ug/Kg	8	☼	8260B	Total/NA
Vinyl chloride	230	J	330	190	ug/Kg	8	☼	8260B	Total/NA
Xylenes, Total	5800		1200	64	ug/Kg	8	☼	8260B	Total/NA
cis-1,2-Dichloroethene	140000	E	410	71	ug/Kg	8	☼	8260B	Total/NA
trans-1,2-Dichloroethene	330	J	410	95	ug/Kg	8	☼	8260B	Total/NA
Isopropylbenzene	290	J	2100	67	ug/Kg	8	☼	8260B	Total/NA
Methylcyclohexane	440	J	9900	120	ug/Kg	8	☼	8260B	Total/NA
Trichloroethene - RA	110000	H	5200	1300	ug/Kg	100	☼	8260B	Total/NA
cis-1,2-Dichloroethene - RA	110000	H	5200	890	ug/Kg	100	☼	8260B	Total/NA

Client Sample ID: TB-17303-122013 — Lab Sample ID: 240-32820-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	71	J	600	43	ug/Kg	1		8260B	Total/NA
Trichloroethene	31	J	40	9.7	ug/Kg	1		8260B	Total/NA
Xylenes, Total	68	J	120	6.2	ug/Kg	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Client Sample ID: TB-17303-122013 (Continued)

Lab Sample ID: 240-32820-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	33	J	40	6.9	ug/Kg	1		8260B	Total/NA

Client Sample ID: SO-17303-122013-DB-003

Lab Sample ID: 240-32820-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	150		53	16	ug/Kg	1	☼	8260B	Total/NA
Chloroform	24	J	53	12	ug/Kg	1	☼	8260B	Total/NA
1,1-Dichloroethene	29	J	53	24	ug/Kg	1	☼	8260B	Total/NA
Ethylbenzene	3700		53	7.2	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene	100		53	16	ug/Kg	1	☼	8260B	Total/NA
Toluene	2300		110	23	ug/Kg	1	☼	8260B	Total/NA
Trichloroethene	110000	E	53	13	ug/Kg	1	☼	8260B	Total/NA
Vinyl chloride	36	J	43	24	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	40000		160	8.2	ug/Kg	1	☼	8260B	Total/NA
1,1,2-Trichloroethane	580		53	16	ug/Kg	1	☼	8260B	Total/NA
cis-1,2-Dichloroethene	24000	E	53	9.2	ug/Kg	1	☼	8260B	Total/NA
trans-1,2-Dichloroethene	50	J	53	12	ug/Kg	1	☼	8260B	Total/NA
Isopropylbenzene	1000		270	8.6	ug/Kg	1	☼	8260B	Total/NA
1,2-Dichlorobenzene	59	J	110	11	ug/Kg	1	☼	8260B	Total/NA
Methylcyclohexane	600	J	1300	16	ug/Kg	1	☼	8260B	Total/NA
Trichloroethene - RA	140000	H	5300	1300	ug/Kg	100	☼	8260B	Total/NA
cis-1,2-Dichloroethene - RA	23000	H	5300	920	ug/Kg	100	☼	8260B	Total/NA

Client Sample ID: SO-17303-122013-DB-004

Lab Sample ID: 240-32820-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	160	J	180	54	ug/Kg	4	☼	8260B	Total/NA
Ethylbenzene	9100		180	24	ug/Kg	4	☼	8260B	Total/NA
Toluene	3800		360	76	ug/Kg	4	☼	8260B	Total/NA
Trichloroethene	8000		180	43	ug/Kg	4	☼	8260B	Total/NA
Vinyl chloride	290		140	80	ug/Kg	4	☼	8260B	Total/NA
Xylenes, Total	110000		540	28	ug/Kg	4	☼	8260B	Total/NA
cis-1,2-Dichloroethene	48000	E	180	31	ug/Kg	4	☼	8260B	Total/NA
trans-1,2-Dichloroethene	170	J	180	41	ug/Kg	4	☼	8260B	Total/NA
Isopropylbenzene	2800		890	29	ug/Kg	4	☼	8260B	Total/NA
Methyl acetate	110	J	4300	110	ug/Kg	4	☼	8260B	Total/NA
1,2-Dichlorobenzene	180	J	360	38	ug/Kg	4	☼	8260B	Total/NA
Methylcyclohexane	1600	J	4300	54	ug/Kg	4	☼	8260B	Total/NA
cis-1,2-Dichloroethene - RA	39000	H	4500	770	ug/Kg	100	☼	8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T01-025, RACER CVO

TestAmerica Job ID: 240-32820-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
Moisture	Percent Moisture	EPA	TAL CAN

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T01-025, RACER CVO

TestAmerica Job ID: 240-32820-1

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

Client Sample ID: SO-17303-122013-DB-001
Date Collected: 12/20/13 13:30
Date Received: 12/21/13 11:45

Lab Sample ID: 240-32820-1
Matrix: Solid
Percent Solids: 84.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**390**	**J**	720	200	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Benzene	**830**		48	14	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Bromodichloromethane	96	U	96	12	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Bromoform	96	U	96	23	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Bromomethane	240	U *	240	35	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
2-Butanone (MEK)	**210**	**J**	720	51	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Carbon disulfide	240	U	240	14	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Carbon tetrachloride	48	U	48	7.7	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Chlorobenzene	48	U	48	7.7	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Chloroethane	240	U *	240	73	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Chloroform	**17**	**J**	48	11	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Chloromethane	240	U	240	17	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
1,1-Dichloroethane	48	U	48	20	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
1,2-Dichloroethane	48	U	48	12	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
1,1-Dichloroethene	**390**		48	22	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
1,2-Dichloropropane	48	U	48	9.8	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
cis-1,3-Dichloropropene	48	U	48	9.5	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
trans-1,3-Dichloropropene	48	U	48	24	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Ethylbenzene	**24000**	**E**	48	6.5	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
2-Hexanone	2400	U	2400	24	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Methylene Chloride	240	U	240	92	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
4-Methyl-2-pentanone (MIBK)	2400	U	2400	57	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Styrene	48	U	48	6.7	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
1,1,2,2-Tetrachloroethane	48	U	48	11	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Tetrachloroethene	**140**		48	14	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Toluene	**15000**	**E**	96	20	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Trichloroethene	**39000**	**E**	48	12	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Vinyl chloride	**850**		38	22	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Xylenes, Total	**120000**		140	7.4	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
1,1,1-Trichloroethane	48	U	48	25	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
1,1,2-Trichloroethane	48	U	48	14	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Cyclohexane	**400**	**J**	1100	48	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
1,2-Dibromo-3-Chloropropane	240	U	240	60	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
1,2-Dibromoethane	240	U	240	12	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Dichlorodifluoromethane	96	U	96	19	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
cis-1,2-Dichloroethene	**110000**	**E**	48	8.3	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
trans-1,2-Dichloroethene	**270**		48	11	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Isopropylbenzene	**5300**	**E**	240	7.8	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Methyl acetate	**82**	**J**	1100	30	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Methyl tert-butyl ether	240	U	240	8.5	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	240	U	240	47	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
1,2,4-Trichlorobenzene	**23**	**J**	240	8.7	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
1,2-Dichlorobenzene	**380**		96	10	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
1,3-Dichlorobenzene	96	U	96	5.7	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
1,4-Dichlorobenzene	96	U	96	9.6	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Trichlorofluoromethane	96	U	96	19	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Dibromochloromethane	48	U	48	14	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1
Methylcyclohexane	**6300**	**E**	1100	14	ug/Kg	☼	12/30/13 11:32	12/31/13 15:43	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		39 - 128	12/30/13 11:32	12/31/13 15:43	1
4-Bromofluorobenzene (Surr)	117		26 - 141	12/30/13 11:32	12/31/13 15:43	1
Toluene-d8 (Surr)	102		33 - 134	12/30/13 11:32	12/31/13 15:43	1
Dibromofluoromethane (Surr)	91		30 - 122	12/30/13 11:32	12/31/13 15:43	1

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

Client Sample ID: SO-17303-122013-DB-002
Date Collected: 12/20/13 13:32
Date Received: 12/21/13 11:45

Lab Sample ID: 240-32820-2
Matrix: Solid
Percent Solids: 83.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	6200	U	6200	1800	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Benzene	**330**	**J**	410	120	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Bromodichloromethane	830	U	830	100	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Bromoform	830	U	830	200	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Bromomethane	2100	U *	2100	300	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
2-Butanone (MEK)	6200	U	6200	440	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Carbon disulfide	2100	U	2100	120	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Carbon tetrachloride	410	U	410	66	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Chlorobenzene	410	U	410	66	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Chloroethane	2100	U *	2100	630	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Chloroform	410	U	410	91	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Chloromethane	2100	U	2100	140	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
1,1-Dichloroethane	410	U	410	180	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
1,2-Dichloroethane	410	U	410	100	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
1,1-Dichloroethene	**210**	**J**	410	190	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
1,2-Dichloropropane	410	U	410	85	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
cis-1,3-Dichloropropene	410	U	410	82	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
trans-1,3-Dichloropropene	410	U	410	210	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Ethylbenzene	**580**		410	56	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
2-Hexanone	21000	U	21000	210	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Methylene Chloride	2100	U	2100	790	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
4-Methyl-2-pentanone (MIBK)	21000	U	21000	500	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Styrene	410	U	410	58	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
1,1,2,2-Tetrachloroethane	410	U	410	92	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Tetrachloroethene	**230**	**J**	410	120	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Toluene	**370**	**J**	830	180	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Trichloroethene	**140000**	**E**	410	100	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Vinyl chloride	**230**	**J**	330	190	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Xylenes, Total	**5800**		1200	64	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
1,1,1-Trichloroethane	410	U	410	220	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
1,1,2-Trichloroethane	410	U	410	120	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Cyclohexane	9900	U	9900	410	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
1,2-Dibromo-3-Chloropropane	2100	U	2100	520	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
1,2-Dibromoethane	2100	U	2100	100	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Dichlorodifluoromethane	830	U	830	170	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
cis-1,2-Dichloroethene	**140000**	**E**	410	71	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
trans-1,2-Dichloroethene	**330**	**J**	410	95	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Isopropylbenzene	**290**	**J**	2100	67	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Methyl acetate	9900	U	9900	260	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Methyl tert-butyl ether	2100	U	2100	73	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
1,1,2-Trichloro-1,2,2-trifluoroethane	2100	U	2100	400	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
1,2,4-Trichlorobenzene	2100	U	2100	75	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
1,2-Dichlorobenzene	830	U	830	89	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
1,3-Dichlorobenzene	830	U	830	50	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
1,4-Dichlorobenzene	830	U	830	83	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Trichlorofluoromethane	830	U	830	170	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Dibromochloromethane	410	U	410	120	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8
Methylcyclohexane	**440**	**J**	9900	120	ug/Kg	☼	12/30/13 11:32	12/31/13 16:07	8

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T01-025, RACER CVO

TestAmerica Job ID: 240-32820-1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	128		39 - 128	12/30/13 11:32	12/31/13 16:07	8
4-Bromofluorobenzene (Surr)	121		26 - 141	12/30/13 11:32	12/31/13 16:07	8
Toluene-d8 (Surr)	121		33 - 134	12/30/13 11:32	12/31/13 16:07	8
Dibromofluoromethane (Surr)	116		30 - 122	12/30/13 11:32	12/31/13 16:07	8

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T01-025, RACER CVO

TestAmerica Job ID: 240-32820-1

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

Client Sample ID: TB-17303-122013
Date Collected: 12/20/13 00:00
Date Received: 12/21/13 11:45

Lab Sample ID: 240-32820-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	600	U	600	170	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Benzene	40	U	40	12	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Bromodichloromethane	80	U	80	9.9	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Bromoform	80	U	80	19	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Bromomethane	200	U *	200	29	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
2-Butanone (MEK)	**71**	**J**	600	43	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Carbon disulfide	200	U	200	12	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Carbon tetrachloride	40	U	40	6.4	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Chlorobenzene	40	U	40	6.4	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Chloroethane	200	U *	200	61	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Chloroform	40	U	40	8.8	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Chloromethane	200	U	200	14	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
1,1-Dichloroethane	40	U	40	17	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
1,2-Dichloroethane	40	U	40	10	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
1,1-Dichloroethene	40	U	40	18	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
1,2-Dichloropropane	40	U	40	8.2	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
cis-1,3-Dichloropropene	40	U	40	7.9	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
trans-1,3-Dichloropropene	40	U	40	20	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Ethylbenzene	40	U	40	5.4	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
2-Hexanone	2000	U	2000	20	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Methylene Chloride	200	U	200	77	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
4-Methyl-2-pentanone (MIBK)	2000	U	2000	48	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Styrene	40	U	40	5.6	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
1,1,2,2-Tetrachloroethane	40	U	40	8.9	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Tetrachloroethene	40	U	40	12	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Toluene	80	U	80	17	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Trichloroethene	**31**	**J**	40	9.7	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Vinyl chloride	32	U	32	18	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Xylenes, Total	**68**	**J**	120	6.2	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
1,1,1-Trichloroethane	40	U	40	21	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
1,1,2-Trichloroethane	40	U	40	12	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Cyclohexane	960	U	960	40	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
1,2-Dibromo-3-Chloropropane	200	U	200	50	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
1,2-Dibromoethane	200	U	200	10	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Dichlorodifluoromethane	80	U	80	16	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
cis-1,2-Dichloroethene	**33**	**J**	40	6.9	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
trans-1,2-Dichloroethene	40	U	40	9.2	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Isopropylbenzene	200	U	200	6.5	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Methyl acetate	960	U	960	25	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Methyl tert-butyl ether	200	U	200	7.1	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	200	U	200	39	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
1,2,4-Trichlorobenzene	200	U	200	7.3	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
1,2-Dichlorobenzene	80	U	80	8.6	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
1,3-Dichlorobenzene	80	U	80	4.8	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
1,4-Dichlorobenzene	80	U	80	8.0	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Trichlorofluoromethane	80	U	80	16	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Dibromochloromethane	40	U	40	12	ug/Kg		12/30/13 11:32	12/31/13 16:32	1
Methylcyclohexane	960	U	960	12	ug/Kg		12/30/13 11:32	12/31/13 16:32	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T01-025, RACER CVO

TestAmerica Job ID: 240-32820-1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*126*		*39 - 128*	*12/30/13 11:32*	*12/31/13 16:32*	*1*
4-Bromofluorobenzene (Surr)	*118*		*26 - 141*	*12/30/13 11:32*	*12/31/13 16:32*	*1*
Toluene-d8 (Surr)	*116*		*33 - 134*	*12/30/13 11:32*	*12/31/13 16:32*	*1*
Dibromofluoromethane (Surr)	*108*		*30 - 122*	*12/30/13 11:32*	*12/31/13 16:32*	*1*

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

Client Sample ID: SO-17303-122013-DB-003
Date Collected: 12/20/13 13:33
Date Received: 12/21/13 11:45

Lab Sample ID: 240-32820-4
Matrix: Solid
Percent Solids: 84.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	800	U	800	230	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Benzene	**150**		53	16	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Bromodichloromethane	110	U	110	13	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Bromoform	110	U	110	25	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Bromomethane	270	U *	270	39	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
2-Butanone (MEK)	800	U	800	57	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Carbon disulfide	270	U	270	16	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Carbon tetrachloride	53	U	53	8.5	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Chlorobenzene	53	U	53	8.5	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Chloroethane	270	U *	270	81	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Chloroform	**24**	**J**	53	12	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Chloromethane	270	U	270	19	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
1,1-Dichloroethane	53	U	53	23	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
1,2-Dichloroethane	53	U	53	13	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
1,1-Dichloroethene	**29**	**J**	53	24	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
1,2-Dichloropropane	53	U	53	11	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
cis-1,3-Dichloropropene	53	U	53	11	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
trans-1,3-Dichloropropene	53	U	53	27	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Ethylbenzene	**3700**		53	7.2	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
2-Hexanone	2700	U	2700	27	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Methylene Chloride	270	U	270	100	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
4-Methyl-2-pentanone (MIBK)	2700	U	2700	64	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Styrene	53	U	53	7.4	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
1,1,2,2-Tetrachloroethane	53	U	53	12	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Tetrachloroethene	**100**		53	16	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Toluene	**2300**		110	23	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Trichloroethene	**110000**	**E**	53	13	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Vinyl chloride	**36**	**J**	43	24	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Xylenes, Total	**40000**		160	8.2	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
1,1,1-Trichloroethane	53	U	53	28	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
1,1,2-Trichloroethane	**580**		53	16	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Cyclohexane	1300	U	1300	53	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
1,2-Dibromo-3-Chloropropane	270	U	270	66	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
1,2-Dibromoethane	270	U	270	13	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Dichlorodifluoromethane	110	U	110	21	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
cis-1,2-Dichloroethene	**24000**	**E**	53	9.2	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
trans-1,2-Dichloroethene	**50**	**J**	53	12	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Isopropylbenzene	**1000**		270	8.6	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Methyl acetate	1300	U	1300	33	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Methyl tert-butyl ether	270	U	270	9.4	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	270	U	270	52	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
1,2,4-Trichlorobenzene	270	U	270	9.7	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
1,2-Dichlorobenzene	**59**	**J**	110	11	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
1,3-Dichlorobenzene	110	U	110	6.4	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
1,4-Dichlorobenzene	110	U	110	11	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Trichlorofluoromethane	110	U	110	21	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Dibromochloromethane	53	U	53	16	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1
Methylcyclohexane	**600**	**J**	1300	16	ug/Kg	☼	12/30/13 11:32	12/31/13 16:55	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*108*		*39 - 128*	*12/30/13 11:32*	*12/31/13 16:55*	*1*
4-Bromofluorobenzene (Surr)	*119*		*26 - 141*	*12/30/13 11:32*	*12/31/13 16:55*	*1*
Toluene-d8 (Surr)	*101*		*33 - 134*	*12/30/13 11:32*	*12/31/13 16:55*	*1*
Dibromofluoromethane (Surr)	*92*		*30 - 122*	*12/30/13 11:32*	*12/31/13 16:55*	*1*

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

Client Sample ID: SO-17303-122013-DB-004
Date Collected: 12/20/13 13:35
Date Received: 12/21/13 11:45

Lab Sample ID: 240-32820-5
Matrix: Solid
Percent Solids: 96.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	2700	U	2700	760	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Benzene	**160**	**J**	180	54	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Bromodichloromethane	360	U	360	44	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Bromoform	360	U	360	85	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Bromomethane	890	U *	890	130	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
2-Butanone (MEK)	2700	U	2700	190	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Carbon disulfide	890	U	890	54	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Carbon tetrachloride	180	U	180	29	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Chlorobenzene	180	U	180	29	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Chloroethane	890	U *	890	270	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Chloroform	180	U	180	39	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Chloromethane	890	U	890	63	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
1,1-Dichloroethane	180	U	180	76	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
1,2-Dichloroethane	180	U	180	45	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
1,1-Dichloroethene	180	U	180	80	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
1,2-Dichloropropane	180	U	180	37	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
cis-1,3-Dichloropropene	180	U	180	35	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
trans-1,3-Dichloropropene	180	U	180	89	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Ethylbenzene	**9100**		180	24	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
2-Hexanone	8900	U	8900	89	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Methylene Chloride	890	U	890	340	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
4-Methyl-2-pentanone (MIBK)	8900	U	8900	210	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Styrene	180	U	180	25	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
1,1,2,2-Tetrachloroethane	180	U	180	40	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Tetrachloroethene	180	U	180	54	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Toluene	**3800**		360	76	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Trichloroethene	**8000**		180	43	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Vinyl chloride	**290**		140	80	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Xylenes, Total	**110000**		540	28	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
1,1,1-Trichloroethane	180	U	180	94	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
1,1,2-Trichloroethane	180	U	180	54	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Cyclohexane	4300	U	4300	180	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
1,2-Dibromo-3-Chloropropane	890	U	890	220	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
1,2-Dibromoethane	890	U	890	45	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Dichlorodifluoromethane	360	U	360	71	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
cis-1,2-Dichloroethene	**48000**	**E**	180	31	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
trans-1,2-Dichloroethene	**170**	**J**	180	41	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Isopropylbenzene	**2800**		890	29	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Methyl acetate	**110**	**J**	4300	110	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Methyl tert-butyl ether	890	U	890	32	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
1,1,2-Trichloro-1,2,2-trifluoroethane	890	U	890	170	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
1,2,4-Trichlorobenzene	890	U	890	33	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
1,2-Dichlorobenzene	**180**	**J**	360	38	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
1,3-Dichlorobenzene	360	U	360	21	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
1,4-Dichlorobenzene	360	U	360	36	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Trichlorofluoromethane	360	U	360	71	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Dibromochloromethane	180	U	180	54	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4
Methylcyclohexane	**1600**	**J**	4300	54	ug/Kg	☼	12/30/13 11:32	12/31/13 17:20	4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		39 - 128	12/30/13 11:32	12/31/13 17:20	4
4-Bromofluorobenzene (Surr)	131		26 - 141	12/30/13 11:32	12/31/13 17:20	4
Toluene-d8 (Surr)	115		33 - 134	12/30/13 11:32	12/31/13 17:20	4
Dibromofluoromethane (Surr)	107		30 - 122	12/30/13 11:32	12/31/13 17:20	4

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T01-025, RACER CVO

TestAmerica Job ID: 240-32820-1

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

Client Sample ID: SO-17303-122013-DB-001
Date Collected: 12/20/13 13:30
Date Received: 12/21/13 11:45

Lab Sample ID: 240-32820-1
Matrix: Solid
Percent Solids: 84.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	17000	H	2400	320	ug/Kg	☼	12/30/13 11:32	01/06/14 19:37	50
Toluene	13000	H	4800	1000	ug/Kg	☼	12/30/13 11:32	01/06/14 19:37	50
Trichloroethene	33000	H	2400	580	ug/Kg	☼	12/30/13 11:32	01/06/14 19:37	50
cis-1,2-Dichloroethene	170000	H	2400	410	ug/Kg	☼	12/30/13 11:32	01/06/14 19:37	50
Isopropylbenzene	3300	J H	12000	390	ug/Kg	☼	12/30/13 11:32	01/06/14 19:37	50
Methylcyclohexane	4000	J H	57000	720	ug/Kg	☼	12/30/13 11:32	01/06/14 19:37	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*39 - 128*	*12/30/13 11:32*	*01/06/14 19:37*	*50*
4-Bromofluorobenzene (Surr)	*93*		*26 - 141*	*12/30/13 11:32*	*01/06/14 19:37*	*50*
Toluene-d8 (Surr)	*95*		*33 - 134*	*12/30/13 11:32*	*01/06/14 19:37*	*50*
Dibromofluoromethane (Surr)	*74*		*30 - 122*	*12/30/13 11:32*	*01/06/14 19:37*	*50*

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T01-025, RACER CVO

TestAmerica Job ID: 240-32820-1

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

Client Sample ID: SO-17303-122013-DB-002
Date Collected: 12/20/13 13:32
Date Received: 12/21/13 11:45

Lab Sample ID: 240-32820-2
Matrix: Solid
Percent Solids: 83.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	110000	H	5200	1300	ug/Kg	☼	12/30/13 11:32	01/06/14 18:00	100
cis-1,2-Dichloroethene	110000	H	5200	890	ug/Kg	☼	12/30/13 11:32	01/06/14 18:00	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*39 - 128*	*12/30/13 11:32*	*01/06/14 18:00*	*100*
4-Bromofluorobenzene (Surr)	*109*		*26 - 141*	*12/30/13 11:32*	*01/06/14 18:00*	*100*
Toluene-d8 (Surr)	*89*		*33 - 134*	*12/30/13 11:32*	*01/06/14 18:00*	*100*
Dibromofluoromethane (Surr)	*0*	*X*	*30 - 122*	*12/30/13 11:32*	*01/06/14 18:00*	*100*

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T01-025, RACER CVO

TestAmerica Job ID: 240-32820-1

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

Client Sample ID: SO-17303-122013-DB-003
Date Collected: 12/20/13 13:33
Date Received: 12/21/13 11:45

Lab Sample ID: 240-32820-4
Matrix: Solid
Percent Solids: 84.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	140000	H	5300	1300	ug/Kg	☼	12/30/13 11:32	01/06/14 18:24	100
cis-1,2-Dichloroethene	23000	H	5300	920	ug/Kg	☼	12/30/13 11:32	01/06/14 18:24	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*0*	*X*	*39 - 128*	*12/30/13 11:32*	*01/06/14 18:24*	*100*
4-Bromofluorobenzene (Surr)	*0*	*X*	*26 - 141*	*12/30/13 11:32*	*01/06/14 18:24*	*100*
Toluene-d8 (Surr)	*94*		*33 - 134*	*12/30/13 11:32*	*01/06/14 18:24*	*100*
Dibromofluoromethane (Surr)	*0*	*X*	*30 - 122*	*12/30/13 11:32*	*01/06/14 18:24*	*100*

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T01-025, RACER CVO

TestAmerica Job ID: 240-32820-1

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

Client Sample ID: SO-17303-122013-DB-004
Date Collected: 12/20/13 13:35
Date Received: 12/21/13 11:45

Lab Sample ID: 240-32820-5
Matrix: Solid
Percent Solids: 96.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	39000	H	4500	770	ug/Kg	☼	12/30/13 11:32	01/06/14 18:47	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*39 - 128*	*12/30/13 11:32*	*01/06/14 18:47*	*100*
4-Bromofluorobenzene (Surr)	*0*	*X*	*26 - 141*	*12/30/13 11:32*	*01/06/14 18:47*	*100*
Toluene-d8 (Surr)	*86*		*33 - 134*	*12/30/13 11:32*	*01/06/14 18:47*	*100*
Dibromofluoromethane (Surr)	*0*	*X*	*30 - 122*	*12/30/13 11:32*	*01/06/14 18:47*	*100*

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T01-025, RACER CVO

TestAmerica Job ID: 240-32820-1

GC/MS VOA

Prep Batch: 115376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32820-1 - RA	SO-17303-122013-DB-001	Total/NA	Solid	5035	
240-32820-1	SO-17303-122013-DB-001	Total/NA	Solid	5035	
240-32820-2	SO-17303-122013-DB-002	Total/NA	Solid	5035	
240-32820-2 - RA	SO-17303-122013-DB-002	Total/NA	Solid	5035	
240-32820-3	TB-17303-122013	Total/NA	Solid	5035	
240-32820-4 - RA	SO-17303-122013-DB-003	Total/NA	Solid	5035	
240-32820-4	SO-17303-122013-DB-003	Total/NA	Solid	5035	
240-32820-5 - RA	SO-17303-122013-DB-004	Total/NA	Solid	5035	
240-32820-5	SO-17303-122013-DB-004	Total/NA	Solid	5035	
LCS 240-115376/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 240-115376/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 115532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32820-1	SO-17303-122013-DB-001	Total/NA	Solid	8260B	115376
240-32820-2	SO-17303-122013-DB-002	Total/NA	Solid	8260B	115376
240-32820-3	TB-17303-122013	Total/NA	Solid	8260B	115376
240-32820-4	SO-17303-122013-DB-003	Total/NA	Solid	8260B	115376
240-32820-5	SO-17303-122013-DB-004	Total/NA	Solid	8260B	115376
LCS 240-115376/2-A	Lab Control Sample	Total/NA	Solid	8260B	115376
MB 240-115376/1-A	Method Blank	Total/NA	Solid	8260B	115376

Analysis Batch: 115972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32820-1 - RA	SO-17303-122013-DB-001	Total/NA	Solid	8260B	115376
240-32820-2 - RA	SO-17303-122013-DB-002	Total/NA	Solid	8260B	115376
240-32820-4 - RA	SO-17303-122013-DB-003	Total/NA	Solid	8260B	115376
240-32820-5 - RA	SO-17303-122013-DB-004	Total/NA	Solid	8260B	115376

General Chemistry

Analysis Batch: 114854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32820-1	SO-17303-122013-DB-001	Total/NA	Solid	Moisture	
240-32820-2	SO-17303-122013-DB-002	Total/NA	Solid	Moisture	
240-32820-2 DU	SO-17303-122013-DB-002	Total/NA	Solid	Moisture	
240-32820-4	SO-17303-122013-DB-003	Total/NA	Solid	Moisture	
240-32820-5	SO-17303-122013-DB-004	Total/NA	Solid	Moisture	

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

Lab Sample ID: MB 240-115376/1-A
Matrix: Solid
Analysis Batch: 115532

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115376

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	600	U	600	170	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Benzene	40	U	40	12	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Bromodichloromethane	80	U	80	9.9	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Bromoform	80	U	80	19	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Bromomethane	200	U	200	29	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
2-Butanone (MEK)	600	U	600	43	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Carbon disulfide	200	U	200	12	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Carbon tetrachloride	40	U	40	6.4	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Chlorobenzene	40	U	40	6.4	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Chloroethane	200	U	200	61	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Chloroform	40	U	40	8.8	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Chloromethane	200	U	200	14	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
1,1-Dichloroethane	40	U	40	17	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
1,2-Dichloroethane	40	U	40	10	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
1,1-Dichloroethene	40	U	40	18	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
1,2-Dichloropropane	40	U	40	8.2	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
cis-1,3-Dichloropropene	40	U	40	7.9	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
trans-1,3-Dichloropropene	40	U	40	20	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Ethylbenzene	40	U	40	5.4	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
2-Hexanone	2000	U	2000	20	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Methylene Chloride	200	U	200	77	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
4-Methyl-2-pentanone (MIBK)	2000	U	2000	48	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Styrene	40	U	40	5.6	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
1,1,2,2-Tetrachloroethane	40	U	40	8.9	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Tetrachloroethene	40	U	40	12	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Toluene	80	U	80	17	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Trichloroethene	40	U	40	9.7	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Vinyl chloride	32	U	32	18	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Xylenes, Total	120	U	120	6.2	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
1,1,1-Trichloroethane	40	U	40	21	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
1,1,2-Trichloroethane	40	U	40	12	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Cyclohexane	960	U	960	40	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
1,2-Dibromo-3-Chloropropane	200	U	200	50	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
1,2-Dibromoethane	200	U	200	10	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Dichlorodifluoromethane	80	U	80	16	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
cis-1,2-Dichloroethene	40	U	40	6.9	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
trans-1,2-Dichloroethene	40	U	40	9.2	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Isopropylbenzene	200	U	200	6.5	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Methyl acetate	960	U	960	25	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Methyl tert-butyl ether	200	U	200	7.1	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	200	U	200	39	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
1,2,4-Trichlorobenzene	200	U	200	7.3	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
1,2-Dichlorobenzene	80	U	80	8.6	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
1,3-Dichlorobenzene	80	U	80	4.8	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
1,4-Dichlorobenzene	80	U	80	8.0	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Trichlorofluoromethane	80	U	80	16	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Dibromochloromethane	40	U	40	12	ug/Kg		12/30/13 11:32	12/31/13 14:54	1
Methylcyclohexane	960	U	960	12	ug/Kg		12/30/13 11:32	12/31/13 14:54	1

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

Lab Sample ID: MB 240-115376/1-A
Matrix: Solid
Analysis Batch: 115532

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115376

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		39 - 128	12/30/13 11:32	12/31/13 14:54	1
4-Bromofluorobenzene (Surr)	90		26 - 141	12/30/13 11:32	12/31/13 14:54	1
Toluene-d8 (Surr)	90		33 - 134	12/30/13 11:32	12/31/13 14:54	1
Dibromofluoromethane (Surr)	87		30 - 122	12/30/13 11:32	12/31/13 14:54	1

Lab Sample ID: LCS 240-115376/2-A
Matrix: Solid
Analysis Batch: 115532

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115376

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	2000	2470		ug/Kg		123	16 - 156
Benzene	1000	1100		ug/Kg		110	70 - 117
Bromodichloromethane	1000	1010		ug/Kg		101	28 - 123
Bromoform	1000	715		ug/Kg		71	10 - 117
Bromomethane	1000	1500	*	ug/Kg		150	10 - 114
2-Butanone (MEK)	2000	2240		ug/Kg		112	10 - 199
Carbon disulfide	1000	977		ug/Kg		98	10 - 132
Carbon tetrachloride	1000	1110		ug/Kg		111	29 - 118
Chlorobenzene	1000	1050		ug/Kg		105	71 - 116
Chloroethane	1000	1970	*	ug/Kg		197	10 - 120
Chloroform	1000	1080		ug/Kg		108	63 - 116
Chloromethane	1000	841		ug/Kg		84	25 - 110
1,1-Dichloroethane	1000	1160		ug/Kg		116	63 - 117
1,2-Dichloroethane	1000	1090		ug/Kg		109	68 - 119
1,1-Dichloroethene	1000	1370		ug/Kg		137	44 - 143
1,2-Dichloropropane	1000	1130		ug/Kg		113	73 - 113
cis-1,3-Dichloropropene	1000	1050		ug/Kg		105	25 - 120
trans-1,3-Dichloropropene	1000	1130		ug/Kg		113	22 - 122
Ethylbenzene	1000	1100		ug/Kg		110	66 - 119
2-Hexanone	2000	2260		ug/Kg		113	43 - 130
Methylene Chloride	1000	1310		ug/Kg		131	27 - 172
4-Methyl-2-pentanone (MIBK)	2000	2130		ug/Kg		107	49 - 121
Styrene	1000	1080		ug/Kg		108	60 - 120
1,1,2,2-Tetrachloroethane	1000	1140		ug/Kg		114	54 - 121
Tetrachloroethene	1000	890		ug/Kg		89	58 - 131
Toluene	1000	1080		ug/Kg		108	66 - 123
Trichloroethene	1000	980		ug/Kg		98	59 - 124
Vinyl chloride	1000	955		ug/Kg		95	33 - 110
Xylenes, Total	2000	2150		ug/Kg		108	68 - 119
1,1,1-Trichloroethane	1000	1100		ug/Kg		110	38 - 122
1,1,2-Trichloroethane	1000	1030		ug/Kg		103	74 - 114
Cyclohexane	1000	1100		ug/Kg		110	40 - 120
1,2-Dibromo-3-Chloropropane	1000	846		ug/Kg		85	10 - 129
1,2-Dibromoethane	1000	992		ug/Kg		99	47 - 123
Dichlorodifluoromethane	1000	469		ug/Kg		47	10 - 110
cis-1,2-Dichloroethene	1000	1120		ug/Kg		112	60 - 125
trans-1,2-Dichloroethene	1000	1150		ug/Kg		115	58 - 121
Isopropylbenzene	1000	1100		ug/Kg		110	61 - 123

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

Lab Sample ID: LCS 240-115376/2-A
Matrix: Solid
Analysis Batch: 115532

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115376

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl acetate	5000	6350		ug/Kg		127	44 - 173
Methyl tert-butyl ether	1000	1220		ug/Kg		122	34 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	1000	1350		ug/Kg		135	48 - 151
1,2,4-Trichlorobenzene	1000	980		ug/Kg		98	41 - 135
1,2-Dichlorobenzene	1000	1020		ug/Kg		102	68 - 118
1,3-Dichlorobenzene	1000	1030		ug/Kg		103	66 - 121
1,4-Dichlorobenzene	1000	1010		ug/Kg		101	65 - 119
Trichlorofluoromethane	1000	1090		ug/Kg		109	17 - 145
Dibromochloromethane	1000	800		ug/Kg		80	22 - 113
Methylcyclohexane	1000	1090		ug/Kg		109	41 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*39 - 128*
4-Bromofluorobenzene (Surr)	*99*		*26 - 141*
Toluene-d8 (Surr)	*100*		*33 - 134*
Dibromofluoromethane (Surr)	*100*		*30 - 122*

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T01-025, RACER CVO

TestAmerica Job ID: 240-32820-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(39-128)	(26-141)	(33-134)	(30-122)
240-32820-1	SO-17303-122013-DB-001	101	117	102	91
240-32820-1 - RA	SO-17303-122013-DB-001	99	93	95	74
240-32820-2	SO-17303-122013-DB-002	128	121	121	116
240-32820-2 - RA	SO-17303-122013-DB-002	109	109	89	0 X
240-32820-3	TB-17303-122013	126	118	116	108
240-32820-4	SO-17303-122013-DB-003	108	119	101	92
240-32820-4 - RA	SO-17303-122013-DB-003	0 X	0 X	94	0 X
240-32820-5	SO-17303-122013-DB-004	113	131	115	107
240-32820-5 - RA	SO-17303-122013-DB-004	113	0 X	86	0 X
LCS 240-115376/2-A	Lab Control Sample	106	99	100	100
MB 240-115376/1-A	Method Blank	95	90	90	87

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

Client Sample ID: SO-17303-122013-DB-001

Lab Sample ID: 240-32820-1

Date Collected: 12/20/13 13:30
Matrix: Solid
Date Received: 12/21/13 11:45
Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			115376	12/30/13 11:32	LAM	TAL CAN
Total/NA	Analysis	8260B		1	115532	12/31/13 15:43	TJL1	TAL CAN
Total/NA	Prep	5035	RA		115376	12/30/13 11:32	LAM	TAL CAN
Total/NA	Analysis	8260B	RA	50	115972	01/06/14 19:37	TJL1	TAL CAN
Total/NA	Analysis	Moisture		1	114854	12/23/13 15:14	WAL	TAL CAN

Client Sample ID: SO-17303-122013-DB-002

Lab Sample ID: 240-32820-2

Date Collected: 12/20/13 13:32
Matrix: Solid
Date Received: 12/21/13 11:45
Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			115376	12/30/13 11:32	LAM	TAL CAN
Total/NA	Analysis	8260B		8	115532	12/31/13 16:07	TJL1	TAL CAN
Total/NA	Prep	5035	RA		115376	12/30/13 11:32	LAM	TAL CAN
Total/NA	Analysis	8260B	RA	100	115972	01/06/14 18:00	TJL1	TAL CAN
Total/NA	Analysis	Moisture		1	114854	12/23/13 15:14	WAL	TAL CAN

Client Sample ID: TB-17303-122013

Lab Sample ID: 240-32820-3

Date Collected: 12/20/13 00:00
Matrix: Solid
Date Received: 12/21/13 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			115376	12/30/13 11:32	LAM	TAL CAN
Total/NA	Analysis	8260B		1	115532	12/31/13 16:32	TJL1	TAL CAN

Client Sample ID: SO-17303-122013-DB-003

Lab Sample ID: 240-32820-4

Date Collected: 12/20/13 13:33
Matrix: Solid
Date Received: 12/21/13 11:45
Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			115376	12/30/13 11:32	LAM	TAL CAN
Total/NA	Analysis	8260B		1	115532	12/31/13 16:55	TJL1	TAL CAN
Total/NA	Prep	5035	RA		115376	12/30/13 11:32	LAM	TAL CAN
Total/NA	Analysis	8260B	RA	100	115972	01/06/14 18:24	TJL1	TAL CAN
Total/NA	Analysis	Moisture		1	114854	12/23/13 15:14	WAL	TAL CAN

Client Sample ID: SO-17303-122013-DB-004

Lab Sample ID: 240-32820-5

Date Collected: 12/20/13 13:35
Matrix: Solid
Date Received: 12/21/13 11:45
Percent Solids: 96.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			115376	12/30/13 11:32	LAM	TAL CAN

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T01-025, RACER CVO

TestAmerica Job ID: 240-32820-1

Client Sample ID: SO-17303-122013-DB-004
Date Collected: 12/20/13 13:35
Date Received: 12/21/13 11:45

Lab Sample ID: 240-32820-5
Matrix: Solid
Percent Solids: 96.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		4	115532	12/31/13 17:20	TJL1	TAL CAN
Total/NA	Prep	5035	RA		115376	12/30/13 11:32	LAM	TAL CAN
Total/NA	Analysis	8260B	RA	100	115972	01/06/14 18:47	TJL1	TAL CAN
Total/NA	Analysis	Moisture		1	114854	12/23/13 15:14	WAL	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T01-025, RACER CVO

TestAmerica Job ID: 240-32820-1

Laboratory: TestAmerica Canton

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

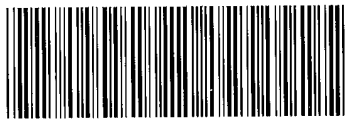
Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14
Connecticut	State Program	1	PH-0590	12-31-13 *
Florida	NELAP	4	E87225	06-30-14
Georgia	State Program	4	N/A	06-30-14
Illinois	NELAP	5	200004	07-31-14 *
Kansas	NELAP	7	E-10336	01-31-14 *
Kentucky (UST)	State Program	4	58	06-30-14
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-13 *
Nevada	State Program	9	OH-000482008A	07-31-14
New Jersey	NELAP	2	OH001	06-30-14
New York	NELAP	2	10975	04-01-14
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-14 *
Texas	NELAP	6		08-31-14 *
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-14
Washington	State Program	10	C971	01-12-14 *
West Virginia DEP	State Program	3	210	01-31-14 *
Wisconsin	State Program	5	999518190	08-31-14

* Expired certification is currently pending renewal and is considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS



240-32820 Chain of Custody

CHAIN OF CUSTODY RECORD

CONESTOGA-ROVERS & ASSOCIATES

14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

18

COC NO.: PL-13716
PAGE 1 OF 1
(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 17303-T03-01Y13	Laboratory Name: Test America	Lab Location: North Canton, OH	SSOW ID: 17303-T03-025
Project Name: CVO: PAOC 23: Excavation Samples	Lab Contact: Denise Heckler	Lab Quote No:	Cooler No: 1
Project Location: Ypsilanti, MI			Carrier: Fed Ex
Chemistry Contact: Rawa Fleisher			Airbill No: —
Sampler(s): D. Beck			Date Shipped: 12-20-13

Item	SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)	DATE (mm/dd/yy)	TIME (hh:mm)	SAMPLE TYPE: Matrix Code (see back of COC)	SAMPLE TYPE: Grab (G) or Comp (C)	CONTAINER QUANTITY & PRESERVATION: Unpreserved	HCl	HNO_3	H_2SO_4	NaOH	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	ANALYSIS REQUESTED (See Back of COC for Definitions): TCL VOCs	MS/MSD Request	COMMENTS/ SPECIAL INSTRUCTIONS:
1	SO-17303-122013-DB-001	12/20/13	1330	SO	G	1					1			2	X		Bottom Sample
2	↓ ↓ ↓ ↓ -002		1332			1					1			2	X		Sidewall Sample
3	TB-17303-122013		—								1			1	X		Sidewall Sample
4	SO-17303-122013-DB-003		1333			1					1			2	X		Sidewall Sample
5	↓ ↓ ↓ ↓ -004		1335			1					1			2	X		
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15														9 5			DB

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other:

Total Number of Containers: 9 5

All Samples in Cooler must be on COC

Notes/ Special Requirements:

	RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
1.	Daniel Beck	CRA	12-20-13	1400	1. Gary Burns	TA	12/21/13	1145
2.					2.			
3.					3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew CRA Form: COC-10A (20110804)

Page 33 of 34

1/8/2014

TestAmerica Canton Sample Receipt Form/Narrative Login # : 32820
Canton Facility

Client CRA Site Name CVO

Cooler Received on 12/21/13 Opened on 12/21/13

Cooler unpacked by: Gerry Burns

FedEx: 1st Grd (Exp) UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # M F Foam Box Client Cooler Box Other _____

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A	(CF +0 °C) Observed Cooler Temp. 1.8 °C	Corrected Cooler Temp 1.8 °C	☐ See Multiple Cooler Form
IR GUN# 4	(CF -1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN# 5	(CF +1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN# 8	(CF +1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes (No)
   -Were custody seals on the outside of the cooler(s) signed & dated? Yes No (NA)
   -Were custody seals on the bottle(s)? Yes (No)
3. Shippers' packing slip attached to the cooler(s)? (Yes) No
4. Did custody papers accompany the sample(s)? (Yes) No
5. Were the custody papers relinquished & signed in the appropriate place? (Yes) No
6. Did all bottles arrive in good condition (Unbroken)? (Yes) No
7. Could all bottle labels be reconciled with the COC? (Yes) No
8. Were correct bottle(s) used for the test(s) indicated? (Yes) No
9. Sufficient quantity received to perform indicated analyses? (Yes) No
10. Were sample(s) at the correct pH upon receipt? Yes No (NA) pH Strip Lot# HC391902
11. Were VOAs on the COC? Yes (No) Terracores
12. Were air bubbles >6 mm in any VOA vials? Yes No (NA)
13. Was a trip blank present in the cooler(s)? (Yes) No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: _____

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-33029-1
Client Project/Site: 17303-T03-025, RACER CVO

For:
Conestoga-Rovers & Associates, Inc.
14496 Sheldon Road, Suite 200
Plymouth, Michigan 48170

Attn: Rawa Fleisher

Denise D Heckler

Authorized for release by:
1/16/2014 10:11:54 AM

Denise Heckler, Project Manager II
(330)966-9477
denise.heckler@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Definitions/Glossary 5
Sample Summary 6
Detection Summary 7
Method Summary 8
Client Sample Results 9
QC Association Summary 13
QC Sample Results 14
Surrogate Summary 17
Lab Chronicle 18
Certification Summary 19
Chain of Custody 20

Job ID: 240-33029-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 17303-T03-025, RACER CVO

Report Number: 240-33029-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 01/03/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.8 C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples SO-17303-123113-CT-008 (240-33029-1) and SO-17303-123113-CT-009 (240-33029-2) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 01/06/2014 and analyzed on 01/13/2014.

Styrene, Toluene, Trichloroethene and Xylenes, Total were detected in method blank MB 240-115959/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Chloroethane failed the recovery criteria high for LCS 240-115959/2-A. This analyte has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. The results have been reported and qualified.

Sample SO-17303-123113-CT-008 (240-33029-1)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOCs analysis.

Job ID: 240-33029-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

All other quality control parameters were within the acceptance limits.

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-33029-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits
B	Compound was found in the blank and sample.

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
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-33029-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-33029-1	SO-17303-123113-CT-008	Solid	12/31/13 08:40	01/03/14 10:30
240-33029-2	SO-17303-123113-CT-009	Solid	12/31/13 08:43	01/03/14 10:30

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-33029-1

Client Sample ID: SO-17303-123113-CT-008 — Lab Sample ID: 240-33029-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	460		240	72	ug/Kg	5	☼	8260B	Total/NA
Ethylbenzene	13000		240	32	ug/Kg	5	☼	8260B	Total/NA
Toluene	430	J B	480	100	ug/Kg	5	☼	8260B	Total/NA
Trichloroethene	5100	B	240	58	ug/Kg	5	☼	8260B	Total/NA
Xylenes, Total	17000	B	720	37	ug/Kg	5	☼	8260B	Total/NA
Cyclohexane	990	J	5800	240	ug/Kg	5	☼	8260B	Total/NA
Isopropylbenzene	4800		1200	39	ug/Kg	5	☼	8260B	Total/NA
Methyl acetate	150	J	5800	150	ug/Kg	5	☼	8260B	Total/NA
1,2-Dichlorobenzene	170	J	480	52	ug/Kg	5	☼	8260B	Total/NA
1,4-Dichlorobenzene	59	J	480	48	ug/Kg	5	☼	8260B	Total/NA
Methylcyclohexane	4500	J	5800	72	ug/Kg	5	☼	8260B	Total/NA

Client Sample ID: SO-17303-123113-CT-009 — Lab Sample ID: 240-33029-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	29	J	43	13	ug/Kg	1	☼	8260B	Total/NA
2-Butanone (MEK)	61	J	650	47	ug/Kg	1	☼	8260B	Total/NA
Ethylbenzene	66		43	5.9	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene	30	J	43	13	ug/Kg	1	☼	8260B	Total/NA
Toluene	50	J B	87	18	ug/Kg	1	☼	8260B	Total/NA
Trichloroethene	1300	B	43	11	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	78	J B	130	6.7	ug/Kg	1	☼	8260B	Total/NA
cis-1,2-Dichloroethene	18	J	43	7.5	ug/Kg	1	☼	8260B	Total/NA
Isopropylbenzene	36	J	220	7.1	ug/Kg	1	☼	8260B	Total/NA
Methyl acetate	33	J	1000	27	ug/Kg	1	☼	8260B	Total/NA
Methylcyclohexane	110	J	1000	13	ug/Kg	1	☼	8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-33029-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
Moisture	Percent Moisture	EPA	TAL CAN

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-33029-1

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

Client Sample ID: SO-17303-123113-CT-008
Date Collected: 12/31/13 08:40
Date Received: 01/03/14 10:30

Lab Sample ID: 240-33029-1
Matrix: Solid
Percent Solids: 83.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3600	U	3600	1000	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Benzene	**460**		240	72	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Bromodichloromethane	480	U	480	60	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Bromoform	480	U	480	110	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Bromomethane	1200	U	1200	170	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
2-Butanone (MEK)	3600	U	3600	260	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Carbon disulfide	1200	U	1200	72	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Carbon tetrachloride	240	U	240	39	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Chlorobenzene	240	U	240	39	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Chloroethane	1200	U *	1200	370	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Chloroform	240	U	240	53	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Chloromethane	1200	U	1200	84	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
1,1-Dichloroethane	240	U	240	100	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
1,2-Dichloroethane	240	U	240	60	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
1,1-Dichloroethene	240	U	240	110	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
1,2-Dichloropropane	240	U	240	49	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
cis-1,3-Dichloropropene	240	U	240	48	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
trans-1,3-Dichloropropene	240	U	240	120	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Ethylbenzene	**13000**		240	32	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
2-Hexanone	12000	U	12000	120	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Methylene Chloride	1200	U	1200	460	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
4-Methyl-2-pentanone (MIBK)	12000	U	12000	290	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Styrene	240	U	240	34	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
1,1,2,2-Tetrachloroethane	240	U	240	54	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Tetrachloroethene	240	U	240	72	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Toluene	**430**	**J B**	480	100	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Trichloroethene	**5100**	**B**	240	58	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Vinyl chloride	190	U	190	110	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Xylenes, Total	**17000**	**B**	720	37	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
1,1,1-Trichloroethane	240	U	240	130	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
1,1,2-Trichloroethane	240	U	240	72	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Cyclohexane	**990**	**J**	5800	240	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
1,2-Dibromo-3-Chloropropane	1200	U	1200	300	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
1,2-Dibromoethane	1200	U	1200	60	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Dichlorodifluoromethane	480	U	480	96	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
cis-1,2-Dichloroethene	240	U	240	42	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
trans-1,2-Dichloroethene	240	U	240	55	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Isopropylbenzene	**4800**		1200	39	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Methyl acetate	**150**	**J**	5800	150	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Methyl tert-butyl ether	1200	U	1200	43	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
1,1,2-Trichloro-1,2,2-trifluoroethane	1200	U	1200	230	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
1,2,4-Trichlorobenzene	1200	U	1200	44	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
1,2-Dichlorobenzene	**170**	**J**	480	52	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
1,3-Dichlorobenzene	480	U	480	29	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
1,4-Dichlorobenzene	**59**	**J**	480	48	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Trichlorofluoromethane	480	U	480	96	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Dibromochloromethane	240	U	240	72	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5
Methylcyclohexane	**4500**	**J**	5800	72	ug/Kg	☼	01/06/14 13:20	01/13/14 02:58	5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		39 - 128	01/06/14 13:20	01/13/14 02:58	5
4-Bromofluorobenzene (Surr)	104		26 - 141	01/06/14 13:20	01/13/14 02:58	5
Toluene-d8 (Surr)	105		33 - 134	01/06/14 13:20	01/13/14 02:58	5
Dibromofluoromethane (Surr)	102		30 - 122	01/06/14 13:20	01/13/14 02:58	5

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-33029-1

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

Client Sample ID: SO-17303-123113-CT-009
Date Collected: 12/31/13 08:43
Date Received: 01/03/14 10:30

Lab Sample ID: 240-33029-2
Matrix: Solid
Percent Solids: 92.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	650	U	650	180	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Benzene	**29**	**J**	43	13	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Bromodichloromethane	87	U	87	11	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Bromoform	87	U	87	21	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Bromomethane	220	U	220	31	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
2-Butanone (MEK)	**61**	**J**	650	47	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Carbon disulfide	220	U	220	13	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Carbon tetrachloride	43	U	43	6.9	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Chlorobenzene	43	U	43	6.9	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Chloroethane	220	U *	220	66	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Chloroform	43	U	43	9.6	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Chloromethane	220	U	220	15	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
1,1-Dichloroethane	43	U	43	18	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
1,2-Dichloroethane	43	U	43	11	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
1,1-Dichloroethene	43	U	43	20	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
1,2-Dichloropropane	43	U	43	8.9	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
cis-1,3-Dichloropropene	43	U	43	8.6	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
trans-1,3-Dichloropropene	43	U	43	22	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Ethylbenzene	**66**		43	5.9	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
2-Hexanone	2200	U	2200	22	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Methylene Chloride	220	U	220	84	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
4-Methyl-2-pentanone (MIBK)	2200	U	2200	52	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Styrene	43	U	43	6.1	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
1,1,2,2-Tetrachloroethane	43	U	43	9.7	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Tetrachloroethene	**30**	**J**	43	13	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Toluene	**50**	**J B**	87	18	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Trichloroethene	**1300**	**B**	43	11	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Vinyl chloride	35	U	35	20	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Xylenes, Total	**78**	**J B**	130	6.7	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
1,1,1-Trichloroethane	43	U	43	23	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
1,1,2-Trichloroethane	43	U	43	13	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Cyclohexane	1000	U	1000	43	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
1,2-Dibromo-3-Chloropropane	220	U	220	54	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
1,2-Dibromoethane	220	U	220	11	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Dichlorodifluoromethane	87	U	87	17	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
cis-1,2-Dichloroethene	**18**	**J**	43	7.5	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
trans-1,2-Dichloroethene	43	U	43	10	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Isopropylbenzene	**36**	**J**	220	7.1	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Methyl acetate	**33**	**J**	1000	27	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Methyl tert-butyl ether	220	U	220	7.7	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	220	U	220	42	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
1,2,4-Trichlorobenzene	220	U	220	7.9	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
1,2-Dichlorobenzene	87	U	87	9.3	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
1,3-Dichlorobenzene	87	U	87	5.2	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
1,4-Dichlorobenzene	87	U	87	8.7	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Trichlorofluoromethane	87	U	87	17	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Dibromochloromethane	43	U	43	13	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1
Methylcyclohexane	**110**	**J**	1000	13	ug/Kg	☼	01/06/14 13:20	01/13/14 03:23	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		39 - 128	01/06/14 13:20	01/13/14 03:23	1
4-Bromofluorobenzene (Surr)	113		26 - 141	01/06/14 13:20	01/13/14 03:23	1
Toluene-d8 (Surr)	112		33 - 134	01/06/14 13:20	01/13/14 03:23	1
Dibromofluoromethane (Surr)	105		30 - 122	01/06/14 13:20	01/13/14 03:23	1

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-33029-1

GC/MS VOA

Prep Batch: 115959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-33029-1	SO-17303-123113-CT-008	Total/NA	Solid	5035	
240-33029-2	SO-17303-123113-CT-009	Total/NA	Solid	5035	
LCS 240-115959/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 240-115959/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 116399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-33029-1	SO-17303-123113-CT-008	Total/NA	Solid	8260B	115959
240-33029-2	SO-17303-123113-CT-009	Total/NA	Solid	8260B	115959
LCS 240-115959/2-A	Lab Control Sample	Total/NA	Solid	8260B	115959
MB 240-115959/1-A	Method Blank	Total/NA	Solid	8260B	115959

General Chemistry

Analysis Batch: 115840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-33029-1	SO-17303-123113-CT-008	Total/NA	Solid	Moisture	
240-33029-2	SO-17303-123113-CT-009	Total/NA	Solid	Moisture	
240-33029-2 DU	SO-17303-123113-CT-009	Total/NA	Solid	Moisture	

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

Lab Sample ID: MB 240-115959/1-A
Matrix: Solid
Analysis Batch: 116399

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115959

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	600	U	600	170	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Benzene	40	U	40	12	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Bromodichloromethane	80	U	80	9.9	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Bromoform	80	U	80	19	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Bromomethane	200	U	200	29	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
2-Butanone (MEK)	600	U	600	43	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Carbon disulfide	200	U	200	12	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Carbon tetrachloride	40	U	40	6.4	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Chlorobenzene	40	U	40	6.4	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Chloroethane	200	U	200	61	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Chloroform	40	U	40	8.8	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Chloromethane	200	U	200	14	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
1,1-Dichloroethane	40	U	40	17	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
1,2-Dichloroethane	40	U	40	10	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
1,1-Dichloroethene	40	U	40	18	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
1,2-Dichloropropane	40	U	40	8.2	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
cis-1,3-Dichloropropene	40	U	40	7.9	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
trans-1,3-Dichloropropene	40	U	40	20	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Ethylbenzene	40	U	40	5.4	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
2-Hexanone	2000	U	2000	20	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Methylene Chloride	200	U	200	77	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
4-Methyl-2-pentanone (MIBK)	2000	U	2000	48	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Styrene	10.1	J	40	5.6	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
1,1,2,2-Tetrachloroethane	40	U	40	8.9	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Tetrachloroethene	40	U	40	12	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Toluene	24.9	J	80	17	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Trichloroethene	10.6	J	40	9.7	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Vinyl chloride	32	U	32	18	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Xylenes, Total	27.4	J	120	6.2	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
1,1,1-Trichloroethane	40	U	40	21	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
1,1,2-Trichloroethane	40	U	40	12	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Cyclohexane	960	U	960	40	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
1,2-Dibromo-3-Chloropropane	200	U	200	50	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
1,2-Dibromoethane	200	U	200	10	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Dichlorodifluoromethane	80	U	80	16	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
cis-1,2-Dichloroethene	40	U	40	6.9	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
trans-1,2-Dichloroethene	40	U	40	9.2	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Isopropylbenzene	200	U	200	6.5	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Methyl acetate	960	U	960	25	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Methyl tert-butyl ether	200	U	200	7.1	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	200	U	200	39	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
1,2,4-Trichlorobenzene	200	U	200	7.3	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
1,2-Dichlorobenzene	80	U	80	8.6	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
1,3-Dichlorobenzene	80	U	80	4.8	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
1,4-Dichlorobenzene	80	U	80	8.0	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Trichlorofluoromethane	80	U	80	16	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Dibromochloromethane	40	U	40	12	ug/Kg		01/06/14 13:20	01/13/14 02:09	1
Methylcyclohexane	960	U	960	12	ug/Kg		01/06/14 13:20	01/13/14 02:09	1

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

Lab Sample ID: MB 240-115959/1-A
Matrix: Solid
Analysis Batch: 116399

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115959

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		39 - 128	01/06/14 13:20	01/13/14 02:09	1
4-Bromofluorobenzene (Surr)	97		26 - 141	01/06/14 13:20	01/13/14 02:09	1
Toluene-d8 (Surr)	101		33 - 134	01/06/14 13:20	01/13/14 02:09	1
Dibromofluoromethane (Surr)	96		30 - 122	01/06/14 13:20	01/13/14 02:09	1

Lab Sample ID: LCS 240-115959/2-A
Matrix: Solid
Analysis Batch: 116399

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115959

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	2000	2460		ug/Kg		123	16 - 156
Benzene	1000	950		ug/Kg		95	70 - 117
Bromodichloromethane	1000	837		ug/Kg		84	28 - 123
Bromoform	1000	615		ug/Kg		61	10 - 117
Bromomethane	1000	939		ug/Kg		94	10 - 114
2-Butanone (MEK)	2000	1790		ug/Kg		90	10 - 199
Carbon disulfide	1000	779		ug/Kg		78	10 - 132
Carbon tetrachloride	1000	793		ug/Kg		79	29 - 118
Chlorobenzene	1000	950		ug/Kg		95	71 - 116
Chloroethane	1000	1320	*	ug/Kg		132	10 - 120
Chloroform	1000	987		ug/Kg		99	63 - 116
Chloromethane	1000	652		ug/Kg		65	25 - 110
1,1-Dichloroethane	1000	1010		ug/Kg		101	63 - 117
1,2-Dichloroethane	1000	942		ug/Kg		94	68 - 119
1,1-Dichloroethene	1000	1010		ug/Kg		101	44 - 143
1,2-Dichloropropane	1000	949		ug/Kg		95	73 - 113
cis-1,3-Dichloropropene	1000	870		ug/Kg		87	25 - 120
trans-1,3-Dichloropropene	1000	872		ug/Kg		87	22 - 122
Ethylbenzene	1000	1020		ug/Kg		102	66 - 119
2-Hexanone	2000	1860	J	ug/Kg		93	43 - 130
Methylene Chloride	1000	1050		ug/Kg		105	27 - 172
4-Methyl-2-pentanone (MIBK)	2000	1650	J	ug/Kg		83	49 - 121
Styrene	1000	1000		ug/Kg		100	60 - 120
1,1,2,2-Tetrachloroethane	1000	849		ug/Kg		85	54 - 121
Tetrachloroethene	1000	985		ug/Kg		98	58 - 131
Toluene	1000	1070		ug/Kg		107	66 - 123
Trichloroethene	1000	949		ug/Kg		95	59 - 124
Vinyl chloride	1000	710		ug/Kg		71	33 - 110
Xylenes, Total	2000	2060		ug/Kg		103	68 - 119
1,1,1-Trichloroethane	1000	875		ug/Kg		88	38 - 122
1,1,2-Trichloroethane	1000	959		ug/Kg		96	74 - 114
Cyclohexane	1000	917	J	ug/Kg		92	40 - 120
1,2-Dibromo-3-Chloropropane	1000	557		ug/Kg		56	10 - 129
1,2-Dibromoethane	1000	873		ug/Kg		87	47 - 123
Dichlorodifluoromethane	1000	519		ug/Kg		52	10 - 110
cis-1,2-Dichloroethene	1000	962		ug/Kg		96	60 - 125
trans-1,2-Dichloroethene	1000	1010		ug/Kg		101	58 - 121
Isopropylbenzene	1000	1010		ug/Kg		101	61 - 123

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

Lab Sample ID: LCS 240-115959/2-A
Matrix: Solid
Analysis Batch: 116399

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115959

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl acetate	5000	5080		ug/Kg		102	44 - 173
Methyl tert-butyl ether	1000	978		ug/Kg		98	34 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	1000	955		ug/Kg		96	48 - 151
1,2,4-Trichlorobenzene	1000	1160		ug/Kg		116	41 - 135
1,2-Dichlorobenzene	1000	998		ug/Kg		100	68 - 118
1,3-Dichlorobenzene	1000	970		ug/Kg		97	66 - 121
1,4-Dichlorobenzene	1000	1030		ug/Kg		103	65 - 119
Trichlorofluoromethane	1000	868		ug/Kg		87	17 - 145
Dibromochloromethane	1000	641		ug/Kg		64	22 - 113
Methylcyclohexane	1000	915	J	ug/Kg		92	41 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*39 - 128*
4-Bromofluorobenzene (Surr)	*98*		*26 - 141*
Toluene-d8 (Surr)	*91*		*33 - 134*
Dibromofluoromethane (Surr)	*92*		*30 - 122*

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-33029-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(39-128)	(26-141)	(33-134)	(30-122)
240-33029-1	SO-17303-123113-CT-008	101	104	105	102
240-33029-2	SO-17303-123113-CT-009	107	113	112	105
LCS 240-115959/2-A	Lab Control Sample	94	98	91	92
MB 240-115959/1-A	Method Blank	94	97	101	96

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-33029-1

Client Sample ID: SO-17303-123113-CT-008

Lab Sample ID: 240-33029-1

Date Collected: 12/31/13 08:40

Matrix: Solid

Date Received: 01/03/14 10:30

Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			115959	01/06/14 13:20	LAM	TAL CAN
Total/NA	Analysis	8260B		5	116399	01/13/14 02:58	TJL1	TAL CAN
Total/NA	Analysis	Moisture		1	115840	01/03/14 14:08	WAL	TAL CAN

Client Sample ID: SO-17303-123113-CT-009

Lab Sample ID: 240-33029-2

Date Collected: 12/31/13 08:43

Matrix: Solid

Date Received: 01/03/14 10:30

Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			115959	01/06/14 13:20	LAM	TAL CAN
Total/NA	Analysis	8260B		1	116399	01/13/14 03:23	TJL1	TAL CAN
Total/NA	Analysis	Moisture		1	115840	01/03/14 14:08	WAL	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-33029-1

Laboratory: TestAmerica Canton

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

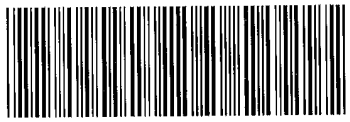
Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14
Connecticut	State Program	1	PH-0590	12-31-13 *
Florida	NELAP	4	E87225	06-30-14
Georgia	State Program	4	N/A	06-30-14
Illinois	NELAP	5	200004	07-31-14 *
Kansas	NELAP	7	E-10336	01-31-14 *
Kentucky (UST)	State Program	4	58	06-30-14
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-13 *
Nevada	State Program	9	OH-000482008A	07-31-14
New Jersey	NELAP	2	OH001	06-30-14
New York	NELAP	2	10975	04-01-14
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-14 *
Texas	NELAP	6		08-31-14 *
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-14
Washington	State Program	10	C971	01-12-14 *
West Virginia DEP	State Program	3	210	01-31-14 *
Wisconsin	State Program	5	999518190	08-31-14

* Expired certification is currently pending renewal and is considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS



240-33029 Chain of Custody

4101 Shuffel Street, N.W. North Canton, OH 44720 **tel** 330.497.9396 **fax** 330.497.0772 **www.testamericainc.com**

CHAIN OF CUSTODY RECORD

1.8

COC NO.: PL-14065

PAGE ___ OF ___

(See Reverse Side for Instructions)

CONESTOGA-ROVERS & ASSOCIATES
14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

Project No/ Phase/Task Code:	17303-T03-0143
Project Name:	CVO; PAOC 23 Excavation Samples
Project Location:	Ypsilanti, MI
Chemistry Contact:	Rawa Fleisher
Sampler(s):	C. Tart
Laboratory Name:	Test America
Lab Contact:	Denise Heckler
Lab Location:	North Canton, OH
Lab Quote No:	
SSOW ID:	17303-T03-025
Cooler No:	
Carrier:	Fed Ex
Airbill No:	
Date Shipped:	1/2/14

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	TCL VOCs	MS/MSD Request	Comments/ Special Instructions:
1	SO-17303-123113-CT-008	12/31/13	840	SO	G	1					1			2	✓		Bottom Sample
2	SO-17303-123113-CT-009	12/31/13	843	SO	G	1					1			2	✓		Sidewall Sample
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

Page 21 of 22

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other:

Total Number of Containers:

All Samples in Cooler must be on COC

Notes/ Special Requirements:

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. Christopher Tart	CRA	1/2/14	930	1.	TAL	1-3-14	1030
				2.			
				3.			

1/16/2014

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10A (20110804)

TestAmerica Canton Sample Receipt Form/Narrative Login # : 33029
Canton Facility

Client CRA Site Name _____ Cooler unpacked by: Ch

Cooler Received on 1-3-14 Opened on 1-3-14

FedEx: 1st Grd (Exp) UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # _____ (Foam Box) (Client Cooler) Box Other _____

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A	(CF +0 °C) Observed Cooler Temp. 1.8 °C	Corrected Cooler Temp. 1.8 °C	☐ See Multiple Cooler Form
IR GUN# 4	(CF -1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN# 5	(CF +1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN# 8	(CF +1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity _____	Yes (No)	
-Were custody seals on the outside of the cooler(s) signed & dated?	Yes No (NA)	
-Were custody seals on the bottle(s)?	Yes (No)	
3. Shippers' packing slip attached to the cooler(s)?	(Yes) No	
4. Did custody papers accompany the sample(s)?	(Yes) No	
5. Were the custody papers relinquished & signed in the appropriate place?	(Yes) No	
6. Did all bottles arrive in good condition (Unbroken)?	(Yes) No	
7. Could all bottle labels be reconciled with the COC?	(Yes) No	
8. Were correct bottle(s) used for the test(s) indicated?	(Yes) No	
9. Sufficient quantity received to perform indicated analyses?	(Yes) No	
10. Were sample(s) at the correct pH upon receipt?	Yes No (NA)	pH Strip Lot# HC391902
11. Were VOAs on the COC?	(Yes) No	
12. Were air bubbles >6 mm in any VOA vials?	Yes No (NA)	
13. Was a trip blank present in the cooler(s)?	Yes (No)	

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: [signature]

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-32984-1
Client Project/Site: 17303-T03-025, RACER CVO

For:
Conestoga-Rovers & Associates, Inc.
14496 Sheldon Road, Suite 200
Plymouth, Michigan 48170

Attn: Rawa Fleisher

Denise D Heckler

Authorized for release by:
1/14/2014 1:10:36 PM

Denise Heckler, Project Manager II
(330)966-9477
denise.heckler@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Definitions/Glossary 7
Sample Summary 9
Detection Summary 10
Method Summary 20
Client Sample Results 21
QC Association Summary 117
QC Sample Results 124
Surrogate Summary 147
Lab Chronicle 149
Certification Summary 156
Chain of Custody 157

Job ID: 240-32984-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 17303-T03-025, RACER CVO

Report Number: 240-32984-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 12/31/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.4 and 4.0 C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples SO-17303-122613-MA-005 (240-32984-1), SO-17303-122613-MA-006 (240-32984-2), SO-17303-122613-MA-007 (240-32984-3), SO-17303-123013-CT-100 (240-32984-4), SO-17303-123013-CT-101 (240-32984-5), SO-17303-123013-CT-102 (240-32984-6), SO-17303-123013-CT-103 (240-32984-7), SO-17303-123013-CT-104 (240-32984-8), SO-17303-123013-CT-105 (240-32984-9), SO-17303-123013-CT-106 (240-32984-10), SO-17303-123013-CT-107 (240-32984-11), SO-17303-123013-CT-108 (240-32984-12) and SO-17303-123013-CT-109 (240-32984-13) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 01/03/2014 and analyzed on 01/06/2014 and 01/07/2014.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Xylenes, Total was detected in method blank MB 240-115848/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Several analytes failed the recovery criteria high for LCS 240-115848/2-A. There was insufficient sample to perform a re-extraction or re-analysis; therefore, the data have been reported.

Job ID: 240-32984-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Samples SO-17303-122613-MA-005 (240-32984-1)[40X], SO-17303-122613-MA-006 (240-32984-2)[4X], SO-17303-122613-MA-007 (240-32984-3)[100X], SO-17303-123013-CT-100 (240-32984-4)[1.33X], SO-17303-123013-CT-101 (240-32984-5)[2.5X], SO-17303-123013-CT-102 (240-32984-6)[4X], SO-17303-123013-CT-103 (240-32984-7)[10X], SO-17303-123013-CT-104 (240-32984-8)[2.5X], SO-17303-123013-CT-105 (240-32984-9)[500X], SO-17303-123013-CT-106 (240-32984-10)[2000X] and SO-17303-123013-CT-107 (240-32984-11)[2000X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOCs analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Samples SO-17303-123013-CT-100 (240-32984-4), SO-17303-123013-CT-101 (240-32984-5), SO-17303-123013-CT-102 (240-32984-6), SO-17303-123013-CT-103 (240-32984-7), SO-17303-123013-CT-104 (240-32984-8), SO-17303-123013-CT-105 (240-32984-9), SO-17303-123013-CT-106 (240-32984-10), SO-17303-123013-CT-107 (240-32984-11), SO-17303-123013-CT-108 (240-32984-12) and SO-17303-123013-CT-109 (240-32984-13) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 01/02/2014 and 01/03/2014 and analyzed on 01/06/2014, 01/07/2014 and 01/08/2014.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Bis(2-ethylhexyl) phthalate was detected in method blank MB 240-115647/13-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Di-n-butyl phthalate was detected in method blank MB 240-115647/13-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Di-n-butyl phthalate was detected in method blank MB 240-115771/4-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Several analytes failed the recovery criteria low for the MS/MSD of sample SO-17303-123013-CT-109 (240-32984-13) in batch 240-116013.

Di-n-butyl phthalate failed the recovery criteria low for the MS of sample SO-17303-123013-CT-103MS (240-32984-7) in batch 240-115880.

3-Nitroaniline exceeded the RPD limit for the MSD of sample SO-17303-123013-CT-103MSD (240-32984-7) in batch 240-115880.

Samples SO-17303-123013-CT-100 (240-32984-4)[2X], SO-17303-123013-CT-101 (240-32984-5)[6.67X], SO-17303-123013-CT-102 (240-32984-6)[10X], SO-17303-123013-CT-103 (240-32984-7)[4X], SO-17303-123013-CT-104 (240-32984-8)[6.67X], SO-17303-123013-CT-105 (240-32984-9)[50X], SO-17303-123013-CT-106 (240-32984-10)[50X], SO-17303-123013-CT-107 (240-32984-11)[100X], SO-17303-123013-CT-108 (240-32984-12)[10X] and SO-17303-123013-CT-109 (240-32984-13)[5X] required dilution prior to analysis due to the nature of the sample matrix. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the SVOCs analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples SO-17303-123013-CT-100 (240-32984-4), SO-17303-123013-CT-101 (240-32984-5), SO-17303-123013-CT-102 (240-32984-6), SO-17303-123013-CT-103 (240-32984-7), SO-17303-123013-CT-104 (240-32984-8), SO-17303-123013-CT-105 (240-32984-9), SO-17303-123013-CT-106 (240-32984-10), SO-17303-123013-CT-107 (240-32984-11), SO-17303-123013-CT-108

Job ID: 240-32984-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

(240-32984-12) and SO-17303-123013-CT-109 (240-32984-13) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 01/02/2014 and 01/07/2014 and analyzed on 01/05/2014, 01/06/2014 and 01/08/2014.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Samples SO-17303-123013-CT-100 (240-32984-4)[5X], SO-17303-123013-CT-101 (240-32984-5)[10X], SO-17303-123013-CT-102 (240-32984-6)[10X], SO-17303-123013-CT-104 (240-32984-8)[10X], SO-17303-123013-CT-105 (240-32984-9)[5X], SO-17303-123013-CT-107 (240-32984-11)[5X], SO-17303-123013-CT-108 (240-32984-12)[500X] and SO-17303-123013-CT-109 (240-32984-13)[2X] required dilution prior to analysis due to the nature of the sample matrix. The reporting limits have been adjusted accordingly.

The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: SO-17303-123013-CT-105 (240-32984-9), SO-17303-123013-CT-107 (240-32984-11), SO-17303-123013-CT-109 (240-32984-13), SO-17303-123013-CT-103 (240-32984-7). Lot # S65830

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples SO-17303-123013-CT-100 (240-32984-4), SO-17303-123013-CT-101 (240-32984-5), SO-17303-123013-CT-102 (240-32984-6), SO-17303-123013-CT-103 (240-32984-7), SO-17303-123013-CT-104 (240-32984-8), SO-17303-123013-CT-105 (240-32984-9), SO-17303-123013-CT-106 (240-32984-10), SO-17303-123013-CT-107 (240-32984-11), SO-17303-123013-CT-108 (240-32984-12) and SO-17303-123013-CT-109 (240-32984-13) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 01/03/2014 and analyzed on 01/06/2014 and 01/08/2014.

Zinc was detected in method blank MB 240-115783/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Barium and Manganese were detected in method blank MB 240-115783/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Chromium failed the recovery criteria high for the MS of sample SO-17303-123013-CT-100MS (240-32984-4) in batch 240-115949.

Barium, Chromium, Lead and Zinc failed the recovery criteria high for the MSD of sample SO-17303-123013-CT-100MSD (240-32984-4) in batch 240-115949. Barium, Chromium, Lead and Zinc exceeded the RPD limit.

Sample SO-17303-123013-CT-107 (240-32984-11)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Requested reporting limits (RL) that fall below the laboratory's verified standard quantitation limit have less certainty (i.e., are estimated) and must be used at the client's discretion. The continuing calibration blanks and method blanks may not support the lower RL.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICPMS)

Samples SO-17303-123013-CT-100 (240-32984-4), SO-17303-123013-CT-101 (240-32984-5), SO-17303-123013-CT-102 (240-32984-6), SO-17303-123013-CT-103 (240-32984-7), SO-17303-123013-CT-104 (240-32984-8), SO-17303-123013-CT-105 (240-32984-9), SO-17303-123013-CT-106 (240-32984-10), SO-17303-123013-CT-107 (240-32984-11), SO-17303-123013-CT-108 (240-32984-12) and SO-17303-123013-CT-109 (240-32984-13) were analyzed for total metals (ICPMS) in accordance with EPA SW-846

Job ID: 240-32984-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Method 6020. The samples were prepared on 01/03/2014 and analyzed on 01/06/2014.

Arsenic was detected in method blank MB 240-115783/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Requested reporting limits (RL) that fall below the laboratory's verified standard quantitation limit have less certainty (i.e., are estimated) and must be used at the client's discretion. The continuing calibration blanks and method blanks may not support the lower RL.

Samples SO-17303-123013-CT-106 (240-32984-10)[10X] and SO-17303-123013-CT-107 (240-32984-11)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples SO-17303-123013-CT-100 (240-32984-4), SO-17303-123013-CT-101 (240-32984-5), SO-17303-123013-CT-102 (240-32984-6), SO-17303-123013-CT-103 (240-32984-7), SO-17303-123013-CT-104 (240-32984-8), SO-17303-123013-CT-105 (240-32984-9), SO-17303-123013-CT-106 (240-32984-10), SO-17303-123013-CT-107 (240-32984-11), SO-17303-123013-CT-108 (240-32984-12) and SO-17303-123013-CT-109 (240-32984-13) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared on 01/03/2014 and analyzed on 01/07/2014.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

HEXAVALENT CHROMIUM

Samples SO-17303-123013-CT-100 (240-32984-4), SO-17303-123013-CT-101 (240-32984-5), SO-17303-123013-CT-102 (240-32984-6), SO-17303-123013-CT-103 (240-32984-7), SO-17303-123013-CT-104 (240-32984-8), SO-17303-123013-CT-105 (240-32984-9), SO-17303-123013-CT-106 (240-32984-10), SO-17303-123013-CT-107 (240-32984-11), SO-17303-123013-CT-108 (240-32984-12) and SO-17303-123013-CT-109 (240-32984-13) were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 3060A/7196A. The samples were prepared on 01/08/2014 and 01/13/2014 and analyzed on 01/09/2014 and 01/14/2014.

Samples SO-17303-123013-CT-101 (240-32984-5)[5X], SO-17303-123013-CT-106 (240-32984-10)[5X] and SO-17303-123013-CT-107 (240-32984-11)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the hexavalent chromium analysis.

All quality control parameters were within the acceptance limits.

TRIVALENT CHROMIUM

Samples SO-17303-123013-CT-100 (240-32984-4), SO-17303-123013-CT-101 (240-32984-5), SO-17303-123013-CT-102 (240-32984-6), SO-17303-123013-CT-103 (240-32984-7), SO-17303-123013-CT-104 (240-32984-8), SO-17303-123013-CT-105 (240-32984-9), SO-17303-123013-CT-106 (240-32984-10), SO-17303-123013-CT-107 (240-32984-11), SO-17303-123013-CT-108 (240-32984-12) and SO-17303-123013-CT-109 (240-32984-13) were analyzed for trivalent chromium in accordance with EPA SW-846 Method 7196A_CR3. The samples were analyzed on 01/03/2014.

No difficulties were encountered during the trivalent chromium analysis.

All quality control parameters were within the acceptance limits.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
B	Compound was found in the blank and sample.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F2	MS/MSD RPD exceeds control limits

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

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.
U	Indicates the analyte was analyzed for but not detected.

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
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-32984-1	SO-17303-122613-MA-005	Solid	12/26/13 09:10	12/31/13 09:50
240-32984-2	SO-17303-122613-MA-006	Solid	12/26/13 09:15	12/31/13 09:50
240-32984-3	SO-17303-122613-MA-007	Solid	12/26/13 09:20	12/31/13 09:50
240-32984-4	SO-17303-123013-CT-100	Solid	12/30/13 10:05	12/31/13 09:50
240-32984-5	SO-17303-123013-CT-101	Solid	12/30/13 10:10	12/31/13 09:50
240-32984-6	SO-17303-123013-CT-102	Solid	12/30/13 10:30	12/31/13 09:50
240-32984-7	SO-17303-123013-CT-103	Solid	12/30/13 10:40	12/31/13 09:50
240-32984-8	SO-17303-123013-CT-104	Solid	12/30/13 10:50	12/31/13 09:50
240-32984-9	SO-17303-123013-CT-105	Solid	12/30/13 09:45	12/31/13 09:50
240-32984-10	SO-17303-123013-CT-106	Solid	12/30/13 09:55	12/31/13 09:50
240-32984-11	SO-17303-123013-CT-107	Solid	12/30/13 10:55	12/31/13 09:50
240-32984-12	SO-17303-123013-CT-108	Solid	12/30/13 11:10	12/31/13 09:50
240-32984-13	SO-17303-123013-CT-109	Solid	12/30/13 11:15	12/31/13 09:50

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Client Sample ID: SO-17303-122613-MA-005 — Lab Sample ID: 240-32984-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	10000		2300	310	ug/Kg	40	☼	8260B	Total/NA
Toluene	6100		4600	980	ug/Kg	40	☼	8260B	Total/NA
Trichloroethene	210000		2300	560	ug/Kg	40	☼	8260B	Total/NA
Xylenes, Total	97000	B	6900	360	ug/Kg	40	☼	8260B	Total/NA
cis-1,2-Dichloroethene	7800		2300	400	ug/Kg	40	☼	8260B	Total/NA
Isopropylbenzene	2200	J	12000	380	ug/Kg	40	☼	8260B	Total/NA
1,2-Dichlorobenzene	590	J	4600	500	ug/Kg	40	☼	8260B	Total/NA
Methylcyclohexane	1400	J	55000	690	ug/Kg	40	☼	8260B	Total/NA

Client Sample ID: SO-17303-122613-MA-006 — Lab Sample ID: 240-32984-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	130	J	170	23	ug/Kg	4	☼	8260B	Total/NA
Toluene	110	J	340	71	ug/Kg	4	☼	8260B	Total/NA
Trichloroethene	8300		170	41	ug/Kg	4	☼	8260B	Total/NA
Xylenes, Total	930	B	500	26	ug/Kg	4	☼	8260B	Total/NA
cis-1,2-Dichloroethene	870		170	29	ug/Kg	4	☼	8260B	Total/NA
Methylcyclohexane	920	J	4000	50	ug/Kg	4	☼	8260B	Total/NA

Client Sample ID: SO-17303-122613-MA-007 — Lab Sample ID: 240-32984-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2300	J	4900	1500	ug/Kg	100	☼	8260B	Total/NA
Ethylbenzene	65000		4900	660	ug/Kg	100	☼	8260B	Total/NA
Toluene	21000		9800	2100	ug/Kg	100	☼	8260B	Total/NA
Xylenes, Total	270000	B	15000	760	ug/Kg	100	☼	8260B	Total/NA
Cyclohexane	7600	J	120000	4900	ug/Kg	100	☼	8260B	Total/NA
cis-1,2-Dichloroethene	42000		4900	850	ug/Kg	100	☼	8260B	Total/NA
Isopropylbenzene	5400	J	25000	800	ug/Kg	100	☼	8260B	Total/NA
Methylcyclohexane	25000	J	120000	1500	ug/Kg	100	☼	8260B	Total/NA

Client Sample ID: SO-17303-123013-CT-100 — Lab Sample ID: 240-32984-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Styrene	19	J	76	11	ug/Kg	1.333	☼	8260B	Total/NA
Trichloroethene	4500		76	18	ug/Kg	1.333	☼	8260B	Total/NA
Xylenes, Total	64	J B	230	12	ug/Kg	1.333	☼	8260B	Total/NA
1,1,2-Trichloroethane	30	J	76	23	ug/Kg	1.333	☼	8260B	Total/NA
cis-1,2-Dichloroethene	150		76	13	ug/Kg	1.333	☼	8260B	Total/NA
Methyl acetate	56	J	1800	48	ug/Kg	1.333	☼	8260B	Total/NA
2-Methylnaphthalene	7.9	J	570	1.1	ug/Kg	2	☼	8270C	Total/NA
Anthracene	13	J	570	1.7	ug/Kg	2	☼	8270C	Total/NA
Benzaldehyde	120	J	570	26	ug/Kg	2	☼	8270C	Total/NA
Benzo[a]anthracene	67	J	570	1.4	ug/Kg	2	☼	8270C	Total/NA
Benzo[a]pyrene	75	J	570	1.4	ug/Kg	2	☼	8270C	Total/NA
Benzo[b]fluoranthene	110	J	570	1.3	ug/Kg	2	☼	8270C	Total/NA
Benzo[g,h,i]perylene	55	J	570	0.75	ug/Kg	2	☼	8270C	Total/NA
Benzo[k]fluoranthene	33	J	570	1.5	ug/Kg	2	☼	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	51	J B	570	41	ug/Kg	2	☼	8270C	Total/NA
Butyl benzyl phthalate	42	J	570	21	ug/Kg	2	☼	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SO-17303-123013-CT-100 (Continued)

Lab Sample ID: 240-32984-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	74	J	570	2.4	ug/Kg	2	☼	8270C	Total/NA
Di-n-butyl phthalate	2000	B	570	32	ug/Kg	2	☼	8270C	Total/NA
Fluoranthene	140	J	570	1.2	ug/Kg	2	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	51	J	570	0.75	ug/Kg	2	☼	8270C	Total/NA
Naphthalene	10	J	570	1.8	ug/Kg	2	☼	8270C	Total/NA
Phenanthrene	68	J	570	1.6	ug/Kg	2	☼	8270C	Total/NA
Pyrene	110	J	570	0.94	ug/Kg	2	☼	8270C	Total/NA
Aroclor-1260	790		180	91	ug/Kg	5	☼	8082	Total/NA
Barium	20	B	0.78	0.069	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.12	J	0.16	0.042	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.77		0.078	0.035	mg/Kg	1	☼	6010B	Total/NA
Cobalt	2.5		0.39	0.16	mg/Kg	1	☼	6010B	Total/NA
Chromium	26		0.78	0.19	mg/Kg	1	☼	6010B	Total/NA
Copper	7.1		0.78	0.72	mg/Kg	1	☼	6010B	Total/NA
Manganese	140	B	0.78	0.072	mg/Kg	1	☼	6010B	Total/NA
Nickel	6.2		0.78	0.26	mg/Kg	1	☼	6010B	Total/NA
Vanadium	8.4		0.78	0.12	mg/Kg	1	☼	6010B	Total/NA
Zinc	96	B	1.9	0.97	mg/Kg	1	☼	6010B	Total/NA
Lead	16		0.23	0.18	mg/Kg	1	☼	6010B	Total/NA
Antimony	2.4		0.31	0.018	mg/Kg	2	☼	6020	Total/NA
Arsenic	3.5	B	0.16	0.012	mg/Kg	2	☼	6020	Total/NA
Selenium	0.32		0.31	0.054	mg/Kg	2	☼	6020	Total/NA
Thallium	0.097	J	0.16	0.016	mg/Kg	2	☼	6020	Total/NA
Silver	0.033	J	0.16	0.0021	mg/Kg	2	☼	6020	Total/NA
Mercury	0.018	J	0.042	0.016	mg/Kg	1	☼	7471A	Total/NA
Cr (VI)	2.9		0.86	0.29	mg/Kg	1	☼	7196A	Total/NA
Cr (III)	23		0.86	0.14	mg/Kg	1	☼	7196A	Total/NA

Client Sample ID: SO-17303-123013-CT-101

Lab Sample ID: 240-32984-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	35	J	150	20	ug/Kg	2.5	☼	8260B	Total/NA
Trichloroethene	7100		150	36	ug/Kg	2.5	☼	8260B	Total/NA
Xylenes, Total	240	J B	450	23	ug/Kg	2.5	☼	8260B	Total/NA
Cyclohexane	160	J	3600	150	ug/Kg	2.5	☼	8260B	Total/NA
cis-1,2-Dichloroethene	510		150	26	ug/Kg	2.5	☼	8260B	Total/NA
Benzo[a]anthracene	52	J	1800	4.4	ug/Kg	6.6666	☼	8270C	Total/NA
Benzo[a]pyrene	110	J	1800	4.5	ug/Kg	6.6666	☼	8270C	Total/NA
Benzo[b]fluoranthene	110	J	1800	4.1	ug/Kg	6.6666	☼	8270C	Total/NA
Benzo[g,h,i]perylene	110	J	1800	2.4	ug/Kg	6.6666	☼	8270C	Total/NA
Benzo[k]fluoranthene	45	J	1800	4.8	ug/Kg	6.6666	☼	8270C	Total/NA
Chrysene	67	J	1800	7.7	ug/Kg	6.6666	☼	8270C	Total/NA
Di-n-butyl phthalate	210	J B	1800	100	ug/Kg	6.6666	☼	8270C	Total/NA
Fluoranthene	96	J	1800	3.8	ug/Kg	6.6666	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	98	J	1800	2.4	ug/Kg	6.6666	☼	8270C	Total/NA
Phenanthrene	37	J	1800	5.1	ug/Kg	6.6666	☼	8270C	Total/NA
Pyrene	94	J	1800	3.1	ug/Kg	6.6666	☼	8270C	Total/NA
Aroclor-1260	1600		340	180	ug/Kg	10	☼	8082	Total/NA
Barium	28	B	0.72	0.064	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.18		0.14	0.039	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SO-17303-123013-CT-101 (Continued)

Lab Sample ID: 240-32984-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.34		0.072	0.032	mg/Kg	1	☼	6010B	Total/NA
Cobalt	2.2		0.36	0.14	mg/Kg	1	☼	6010B	Total/NA
Chromium	18		0.72	0.18	mg/Kg	1	☼	6010B	Total/NA
Copper	4.7		0.72	0.66	mg/Kg	1	☼	6010B	Total/NA
Manganese	180	B	0.72	0.066	mg/Kg	1	☼	6010B	Total/NA
Nickel	5.4		0.72	0.24	mg/Kg	1	☼	6010B	Total/NA
Vanadium	11		0.72	0.11	mg/Kg	1	☼	6010B	Total/NA
Zinc	44	B	1.8	0.90	mg/Kg	1	☼	6010B	Total/NA
Lead	11		0.22	0.17	mg/Kg	1	☼	6010B	Total/NA
Antimony	1.3		0.29	0.016	mg/Kg	2	☼	6020	Total/NA
Arsenic	3.2	B	0.14	0.011	mg/Kg	2	☼	6020	Total/NA
Selenium	0.18	J	0.29	0.049	mg/Kg	2	☼	6020	Total/NA
Thallium	0.078	J	0.14	0.014	mg/Kg	2	☼	6020	Total/NA
Silver	0.077	J	0.14	0.0020	mg/Kg	2	☼	6020	Total/NA
Cr (VI)	77		4.2	1.4	mg/Kg	5	☼	7196A	Total/NA

Client Sample ID: SO-17303-123013-CT-102

Lab Sample ID: 240-32984-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	12000		190	46	ug/Kg	4	☼	8260B	Total/NA
Xylenes, Total	160	J B	570	29	ug/Kg	4	☼	8260B	Total/NA
1,1,2-Trichloroethane	74	J	190	57	ug/Kg	4	☼	8260B	Total/NA
cis-1,2-Dichloroethene	450		190	33	ug/Kg	4	☼	8260B	Total/NA
Benzo[a]pyrene	140	J	2800	6.8	ug/Kg	10	☼	8270C	Total/NA
Benzo[b]fluoranthene	160	J	2800	6.2	ug/Kg	10	☼	8270C	Total/NA
Benzo[g,h,i]perylene	140	J	2800	3.7	ug/Kg	10	☼	8270C	Total/NA
Di-n-butyl phthalate	990	J B	2800	160	ug/Kg	10	☼	8270C	Total/NA
Fluoranthene	210	J	2800	5.8	ug/Kg	10	☼	8270C	Total/NA
Naphthalene	45	J	2800	8.7	ug/Kg	10	☼	8270C	Total/NA
Phenanthrene	75	J	2800	7.7	ug/Kg	10	☼	8270C	Total/NA
Pyrene	180	J	2800	4.6	ug/Kg	10	☼	8270C	Total/NA
Aroclor-1260	1100		350	180	ug/Kg	10	☼	8082	Total/NA
Barium	53	B	0.82	0.073	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.17		0.16	0.044	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.96		0.082	0.037	mg/Kg	1	☼	6010B	Total/NA
Cobalt	2.9		0.41	0.16	mg/Kg	1	☼	6010B	Total/NA
Chromium	110		0.82	0.20	mg/Kg	1	☼	6010B	Total/NA
Copper	11		0.82	0.76	mg/Kg	1	☼	6010B	Total/NA
Manganese	160	B	0.82	0.076	mg/Kg	1	☼	6010B	Total/NA
Nickel	7.1		0.82	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	8.6		0.82	0.12	mg/Kg	1	☼	6010B	Total/NA
Zinc	220	B	2.0	1.0	mg/Kg	1	☼	6010B	Total/NA
Lead	34		0.25	0.19	mg/Kg	1	☼	6010B	Total/NA
Antimony	14		0.33	0.018	mg/Kg	2	☼	6020	Total/NA
Arsenic	3.2	B	0.16	0.012	mg/Kg	2	☼	6020	Total/NA
Selenium	0.22	J	0.33	0.056	mg/Kg	2	☼	6020	Total/NA
Thallium	0.075	J	0.16	0.016	mg/Kg	2	☼	6020	Total/NA
Silver	0.55		0.16	0.0023	mg/Kg	2	☼	6020	Total/NA
Mercury	0.043		0.043	0.016	mg/Kg	1	☼	7471A	Total/NA
Cr (VI)	29		0.85	0.29	mg/Kg	1	☼	7196A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SO-17303-123013-CT-102 (Continued)

Lab Sample ID: 240-32984-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (III)	80		0.85	0.14	mg/Kg	1	☼	7196A	Total/NA

Client Sample ID: SO-17303-123013-CT-103

Lab Sample ID: 240-32984-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	120	J	400	55	ug/Kg	10	☼	8260B	Total/NA
Trichloroethene	23000		400	98	ug/Kg	10	☼	8260B	Total/NA
Xylenes, Total	680	J B	1200	63	ug/Kg	10	☼	8260B	Total/NA
cis-1,2-Dichloroethene	1100		400	70	ug/Kg	10	☼	8260B	Total/NA
2-Methylnaphthalene	44	J	1100	2.1	ug/Kg	4	☼	8270C	Total/NA
Anthracene	21	J	1100	3.3	ug/Kg	4	☼	8270C	Total/NA
Benzaldehyde	63	J	1100	51	ug/Kg	4	☼	8270C	Total/NA
Benzo[a]anthracene	110	J	1100	2.7	ug/Kg	4	☼	8270C	Total/NA
Benzo[a]pyrene	140	J	1100	2.7	ug/Kg	4	☼	8270C	Total/NA
Benzo[b]fluoranthene	190	J	1100	2.5	ug/Kg	4	☼	8270C	Total/NA
Benzo[g,h,i]perylene	99	J	1100	1.5	ug/Kg	4	☼	8270C	Total/NA
Benzo[k]fluoranthene	72	J	1100	2.9	ug/Kg	4	☼	8270C	Total/NA
Chrysene	140	J	1100	4.6	ug/Kg	4	☼	8270C	Total/NA
Di-n-butyl phthalate	1100	B	1100	63	ug/Kg	4	☼	8270C	Total/NA
Fluoranthene	250	J	1100	2.3	ug/Kg	4	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	100	J	1100	1.5	ug/Kg	4	☼	8270C	Total/NA
Naphthalene	25	J	1100	3.5	ug/Kg	4	☼	8270C	Total/NA
Phenanthrene	150	J	1100	3.1	ug/Kg	4	☼	8270C	Total/NA
Pyrene	200	J	1100	1.9	ug/Kg	4	☼	8270C	Total/NA
Aroclor-1260	390		280	18	ug/Kg	1	☼	8082	Total/NA
Barium	41	B	0.76	0.068	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.15		0.15	0.041	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.76		0.076	0.034	mg/Kg	1	☼	6010B	Total/NA
Cobalt	3.1		0.38	0.15	mg/Kg	1	☼	6010B	Total/NA
Chromium	130		0.76	0.19	mg/Kg	1	☼	6010B	Total/NA
Copper	8.9		0.76	0.71	mg/Kg	1	☼	6010B	Total/NA
Manganese	220	B	0.76	0.071	mg/Kg	1	☼	6010B	Total/NA
Nickel	14		0.76	0.26	mg/Kg	1	☼	6010B	Total/NA
Vanadium	9.3		0.76	0.11	mg/Kg	1	☼	6010B	Total/NA
Zinc	220	B	1.9	0.96	mg/Kg	1	☼	6010B	Total/NA
Lead	31		0.23	0.18	mg/Kg	1	☼	6010B	Total/NA
Antimony	8.7		0.31	0.017	mg/Kg	2	☼	6020	Total/NA
Arsenic	3.1	B	0.15	0.011	mg/Kg	2	☼	6020	Total/NA
Selenium	0.20	J	0.31	0.053	mg/Kg	2	☼	6020	Total/NA
Thallium	0.071	J	0.15	0.015	mg/Kg	2	☼	6020	Total/NA
Silver	0.092	J	0.15	0.0021	mg/Kg	2	☼	6020	Total/NA
Mercury	0.026	J	0.038	0.014	mg/Kg	1	☼	7471A	Total/NA
Cr (VI)	16		0.85	0.29	mg/Kg	1	☼	7196A	Total/NA
Cr (III)	110		0.85	0.14	mg/Kg	1	☼	7196A	Total/NA

Client Sample ID: SO-17303-123013-CT-104

Lab Sample ID: 240-32984-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	79	J	120	16	ug/Kg	2.5	☼	8260B	Total/NA
Toluene	79	J	240	50	ug/Kg	2.5	☼	8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SO-17303-123013-CT-104 (Continued)

Lab Sample ID: 240-32984-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	5500		120	29	ug/Kg	2.5	☼	8260B	Total/NA
Xylenes, Total	730	B	350	18	ug/Kg	2.5	☼	8260B	Total/NA
cis-1,2-Dichloroethene	960		120	20	ug/Kg	2.5	☼	8260B	Total/NA
Isopropylbenzene	23	J	590	19	ug/Kg	2.5	☼	8260B	Total/NA
2-Methylnaphthalene	51	J	1800	3.5	ug/Kg	6.66666	☼	8270C	Total/NA
Acenaphthene	47	J	1800	5.3	ug/Kg	6.66666	☼	8270C	Total/NA
Acenaphthylene	94	J	1800	2.4	ug/Kg	6.66666	☼	8270C	Total/NA
Anthracene	130	J	1800	5.4	ug/Kg	6.66666	☼	8270C	Total/NA
Benzo[a]anthracene	1000	J	1800	4.4	ug/Kg	6.66666	☼	8270C	Total/NA
Benzo[a]pyrene	1700	J	1800	4.4	ug/Kg	6.66666	☼	8270C	Total/NA
Benzo[b]fluoranthene	2500		1800	4.1	ug/Kg	6.66666	☼	8270C	Total/NA
Benzo[g,h,i]perylene	990	J	1800	2.4	ug/Kg	6.66666	☼	8270C	Total/NA
Benzo[k]fluoranthene	900	J	1800	4.7	ug/Kg	6.66666	☼	8270C	Total/NA
Chrysene	1400	J	1800	7.6	ug/Kg	6.66666	☼	8270C	Total/NA
Dibenz(a,h)anthracene	280	J	1800	4.6	ug/Kg	6.66666	☼	8270C	Total/NA
Di-n-butyl phthalate	5900	B	1800	100	ug/Kg	6.66666	☼	8270C	Total/NA
Fluoranthene	1600	J	1800	3.8	ug/Kg	6.66666	☼	8270C	Total/NA
Fluorene	46	J	1800	3.7	ug/Kg	6.66666	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	910	J	1800	2.4	ug/Kg	6.66666	☼	8270C	Total/NA
Naphthalene	100	J	1800	5.7	ug/Kg	6.66666	☼	8270C	Total/NA
Phenanthrene	550	J	1800	5.1	ug/Kg	6.66666	☼	8270C	Total/NA
Pyrene	1600	J	1800	3.0	ug/Kg	6.66666	☼	8270C	Total/NA
Aroclor-1260	1300		350	180	ug/Kg	10	☼	8082	Total/NA
Barium	23	B	0.73	0.065	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.13	J	0.15	0.039	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.58		0.073	0.033	mg/Kg	1	☼	6010B	Total/NA
Cobalt	2.8		0.37	0.15	mg/Kg	1	☼	6010B	Total/NA
Chromium	32		0.73	0.18	mg/Kg	1	☼	6010B	Total/NA
Copper	7.2		0.73	0.68	mg/Kg	1	☼	6010B	Total/NA
Manganese	140	B	0.73	0.068	mg/Kg	1	☼	6010B	Total/NA
Nickel	7.0		0.73	0.25	mg/Kg	1	☼	6010B	Total/NA
Vanadium	8.4		0.73	0.11	mg/Kg	1	☼	6010B	Total/NA
Zinc	110	B	1.8	0.92	mg/Kg	1	☼	6010B	Total/NA
Lead	23		0.22	0.17	mg/Kg	1	☼	6010B	Total/NA
Antimony	2.9		0.29	0.016	mg/Kg	2	☼	6020	Total/NA
Arsenic	3.7	B	0.15	0.011	mg/Kg	2	☼	6020	Total/NA
Selenium	0.22	J	0.29	0.050	mg/Kg	2	☼	6020	Total/NA
Thallium	0.074	J	0.15	0.015	mg/Kg	2	☼	6020	Total/NA
Silver	0.063	J	0.15	0.0020	mg/Kg	2	☼	6020	Total/NA
Mercury	0.018	J	0.048	0.018	mg/Kg	1	☼	7471A	Total/NA
Cr (VI)	30		0.84	0.28	mg/Kg	1	☼	7196A	Total/NA
Cr (III)	1.3		0.84	0.14	mg/Kg	1	☼	7196A	Total/NA

Client Sample ID: SO-17303-123013-CT-105

Lab Sample ID: 240-32984-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	43000		21000	2900	ug/Kg	500	☼	8260B	Total/NA
Toluene	31000	J	43000	9000	ug/Kg	500	☼	8260B	Total/NA
Trichloroethene	960000		21000	5200	ug/Kg	500	☼	8260B	Total/NA
Xylenes, Total	300000	B	64000	3300	ug/Kg	500	☼	8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SO-17303-123013-CT-105 (Continued)

Lab Sample ID: 240-32984-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyclohexane	22000	J	510000	21000	ug/Kg	500	☼	8260B	Total/NA
cis-1,2-Dichloroethene	95000		21000	3700	ug/Kg	500	☼	8260B	Total/NA
Isopropylbenzene	6200	J	110000	3500	ug/Kg	500	☼	8260B	Total/NA
Methylcyclohexane	7500	J	510000	6400	ug/Kg	500	☼	8260B	Total/NA
2-Methylnaphthalene	5100	J	14000	27	ug/Kg	50	☼	8270C	Total/NA
Acenaphthene	850	J	14000	41	ug/Kg	50	☼	8270C	Total/NA
Dibenzofuran	830	J	14000	36	ug/Kg	50	☼	8270C	Total/NA
Di-n-butyl phthalate	62000	B	14000	810	ug/Kg	50	☼	8270C	Total/NA
Fluoranthene	980	J	14000	30	ug/Kg	50	☼	8270C	Total/NA
Fluorene	700	J	14000	29	ug/Kg	50	☼	8270C	Total/NA
Naphthalene	8800	J	14000	44	ug/Kg	50	☼	8270C	Total/NA
Phenol	1900	J	14000	390	ug/Kg	50	☼	8270C	Total/NA
Phenanthrene	2500	J	14000	39	ug/Kg	50	☼	8270C	Total/NA
Pyrene	1100	J	14000	24	ug/Kg	50	☼	8270C	Total/NA
Aroclor-1260	130	J	180	92	ug/Kg	5	☼	8082	Total/NA
Barium	110	B	0.77	0.068	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.084	J	0.15	0.041	mg/Kg	1	☼	6010B	Total/NA
Cadmium	4.1		0.077	0.035	mg/Kg	1	☼	6010B	Total/NA
Cobalt	3.0		0.39	0.15	mg/Kg	1	☼	6010B	Total/NA
Chromium	310		0.77	0.19	mg/Kg	1	☼	6010B	Total/NA
Copper	8.7		0.77	0.71	mg/Kg	1	☼	6010B	Total/NA
Manganese	110	B	0.77	0.071	mg/Kg	1	☼	6010B	Total/NA
Nickel	5.4		0.77	0.26	mg/Kg	1	☼	6010B	Total/NA
Vanadium	6.9		0.77	0.12	mg/Kg	1	☼	6010B	Total/NA
Zinc	720	B	1.9	0.96	mg/Kg	1	☼	6010B	Total/NA
Lead	43		0.23	0.18	mg/Kg	1	☼	6010B	Total/NA
Antimony	32		0.31	0.017	mg/Kg	2	☼	6020	Total/NA
Arsenic	2.5	B	0.15	0.012	mg/Kg	2	☼	6020	Total/NA
Selenium	0.68		0.31	0.053	mg/Kg	2	☼	6020	Total/NA
Thallium	0.045	J	0.15	0.016	mg/Kg	2	☼	6020	Total/NA
Silver	0.12	J	0.15	0.0021	mg/Kg	2	☼	6020	Total/NA
Mercury	0.049		0.045	0.017	mg/Kg	1	☼	7471A	Total/NA
Cr (VI)	30		0.87	0.29	mg/Kg	1	☼	7196A	Total/NA
Cr (III)	280		0.87	0.14	mg/Kg	1	☼	7196A	Total/NA

Client Sample ID: SO-17303-123013-CT-106

Lab Sample ID: 240-32984-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	65000	J	96000	13000	ug/Kg	2000	☼	8260B	Total/NA
Toluene	73000	J	190000	41000	ug/Kg	2000	☼	8260B	Total/NA
Trichloroethene	2700000		96000	23000	ug/Kg	2000	☼	8260B	Total/NA
Xylenes, Total	570000	B	290000	15000	ug/Kg	2000	☼	8260B	Total/NA
cis-1,2-Dichloroethene	250000		96000	16000	ug/Kg	2000	☼	8260B	Total/NA
2-Methylnaphthalene	2900	J	14000	27	ug/Kg	50	☼	8270C	Total/NA
Acenaphthene	310	J	14000	40	ug/Kg	50	☼	8270C	Total/NA
Chrysene	880	J	14000	59	ug/Kg	50	☼	8270C	Total/NA
Dibenzofuran	420	J	14000	35	ug/Kg	50	☼	8270C	Total/NA
Di-n-butyl phthalate	39000	B	14000	800	ug/Kg	50	☼	8270C	Total/NA
Fluoranthene	950	J	14000	29	ug/Kg	50	☼	8270C	Total/NA
Fluorene	310	J	14000	28	ug/Kg	50	☼	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SO-17303-123013-CT-106 (Continued)

Lab Sample ID: 240-32984-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	8700	J	14000	44	ug/Kg	50	☼	8270C	Total/NA
Phenol	3200	J	14000	390	ug/Kg	50	☼	8270C	Total/NA
Phenanthrene	1700	J	14000	39	ug/Kg	50	☼	8270C	Total/NA
Pyrene	960	J	14000	23	ug/Kg	50	☼	8270C	Total/NA
Aroclor-1260	120	J	280	18	ug/Kg	1	☼	8082	Total/NA
Barium	220	B	0.83	0.073	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.087	J	0.17	0.044	mg/Kg	1	☼	6010B	Total/NA
Cadmium	3.5		0.083	0.037	mg/Kg	1	☼	6010B	Total/NA
Cobalt	3.8		0.41	0.17	mg/Kg	1	☼	6010B	Total/NA
Chromium	330		0.83	0.21	mg/Kg	1	☼	6010B	Total/NA
Copper	13		0.83	0.76	mg/Kg	1	☼	6010B	Total/NA
Manganese	120	B	0.83	0.076	mg/Kg	1	☼	6010B	Total/NA
Nickel	6.3		0.83	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	6.9		0.83	0.12	mg/Kg	1	☼	6010B	Total/NA
Zinc	750	B	2.1	1.0	mg/Kg	1	☼	6010B	Total/NA
Lead	170		0.25	0.20	mg/Kg	1	☼	6010B	Total/NA
Antimony	77		1.7	0.093	mg/Kg	10	☼	6020	Total/NA
Arsenic	2.4	B	0.17	0.012	mg/Kg	2	☼	6020	Total/NA
Selenium	0.59		0.33	0.057	mg/Kg	2	☼	6020	Total/NA
Thallium	0.050	J	0.17	0.017	mg/Kg	2	☼	6020	Total/NA
Silver	0.26		0.17	0.0023	mg/Kg	2	☼	6020	Total/NA
Mercury	0.026	J	0.046	0.017	mg/Kg	1	☼	7471A	Total/NA
Cr (VI)	97		4.3	1.4	mg/Kg	5	☼	7196A	Total/NA
Cr (III)	230		0.86	0.14	mg/Kg	1	☼	7196A	Total/NA

Client Sample ID: SO-17303-123013-CT-107

Lab Sample ID: 240-32984-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	80000	J	100000	14000	ug/Kg	2000	☼	8260B	Total/NA
Toluene	94000	J	210000	44000	ug/Kg	2000	☼	8260B	Total/NA
Trichloroethene	4600000		100000	25000	ug/Kg	2000	☼	8260B	Total/NA
Xylenes, Total	720000	B	310000	16000	ug/Kg	2000	☼	8260B	Total/NA
cis-1,2-Dichloroethene	200000		100000	18000	ug/Kg	2000	☼	8260B	Total/NA
2-Methylnaphthalene	2300	J	30000	57	ug/Kg	100	☼	8270C	Total/NA
Benzo[b]fluoranthene	810	J	30000	67	ug/Kg	100	☼	8270C	Total/NA
Di-n-butyl phthalate	180000	B	30000	1700	ug/Kg	100	☼	8270C	Total/NA
Fluoranthene	1300	J	30000	62	ug/Kg	100	☼	8270C	Total/NA
Naphthalene	9000	J	30000	93	ug/Kg	100	☼	8270C	Total/NA
Phenol	11000	J	30000	830	ug/Kg	100	☼	8270C	Total/NA
Phenanthrene	2200	J	30000	83	ug/Kg	100	☼	8270C	Total/NA
Pyrene	1100	J	30000	50	ug/Kg	100	☼	8270C	Total/NA
Aroclor-1260	390		190	97	ug/Kg	5	☼	8082	Total/NA
Barium	1400	B	0.85	0.075	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.46		0.17	0.045	mg/Kg	1	☼	6010B	Total/NA
Cadmium	22		0.085	0.038	mg/Kg	1	☼	6010B	Total/NA
Cobalt	6.0		0.42	0.17	mg/Kg	1	☼	6010B	Total/NA
Chromium	1200		0.85	0.21	mg/Kg	1	☼	6010B	Total/NA
Copper	280		0.85	0.78	mg/Kg	1	☼	6010B	Total/NA
Manganese	280	B	0.85	0.078	mg/Kg	1	☼	6010B	Total/NA
Nickel	11		0.85	0.29	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SO-17303-123013-CT-107 (Continued)

Lab Sample ID: 240-32984-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	8.3		0.85	0.13	mg/Kg	1	☼	6010B	Total/NA
Zinc	2200	B	11	5.3	mg/Kg	5	☼	6010B	Total/NA
Lead	160		0.25	0.20	mg/Kg	1	☼	6010B	Total/NA
Antimony	440		3.4	0.19	mg/Kg	20	☼	6020	Total/NA
Arsenic	3.7	B	0.17	0.013	mg/Kg	2	☼	6020	Total/NA
Selenium	4.5		0.34	0.058	mg/Kg	2	☼	6020	Total/NA
Thallium	0.071	J	0.17	0.017	mg/Kg	2	☼	6020	Total/NA
Silver	2.5		0.17	0.0023	mg/Kg	2	☼	6020	Total/NA
Mercury	0.58		0.046	0.017	mg/Kg	1	☼	7471A	Total/NA
Cr (VI)	100		4.6	1.5	mg/Kg	5	☼	7196A	Total/NA
Cr (III)	1100		0.91	0.15	mg/Kg	1	☼	7196A	Total/NA

Client Sample ID: SO-17303-123013-CT-108

Lab Sample ID: 240-32984-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	7.9	J	50	6.7	ug/Kg	1	☼	8260B	Total/NA
Trichloroethene	1700		50	12	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	63	J B	150	7.7	ug/Kg	1	☼	8260B	Total/NA
cis-1,2-Dichloroethene	24	J	50	8.6	ug/Kg	1	☼	8260B	Total/NA
Methyl acetate	43	J	1200	31	ug/Kg	1	☼	8260B	Total/NA
1,1'-Biphenyl	48	J	2900	39	ug/Kg	10	☼	8270C	Total/NA
2-Methylnaphthalene	140	J	2900	5.5	ug/Kg	10	☼	8270C	Total/NA
Acenaphthene	630	J	2900	8.4	ug/Kg	10	☼	8270C	Total/NA
Acenaphthylene	110	J	2900	3.9	ug/Kg	10	☼	8270C	Total/NA
Anthracene	1300	J	2900	8.6	ug/Kg	10	☼	8270C	Total/NA
Benzo[a]anthracene	4000		2900	7.0	ug/Kg	10	☼	8270C	Total/NA
Benzo[a]pyrene	3800		2900	7.1	ug/Kg	10	☼	8270C	Total/NA
Benzo[b]fluoranthene	6000		2900	6.5	ug/Kg	10	☼	8270C	Total/NA
Benzo[g,h,i]perylene	2100	J	2900	3.9	ug/Kg	10	☼	8270C	Total/NA
Benzo[k]fluoranthene	2100	J	2900	7.5	ug/Kg	10	☼	8270C	Total/NA
Carbazole	670	J	2900	300	ug/Kg	10	☼	8270C	Total/NA
Chrysene	4500		2900	12	ug/Kg	10	☼	8270C	Total/NA
Dibenz(a,h)anthracene	630	J	2900	7.3	ug/Kg	10	☼	8270C	Total/NA
Dibenzofuran	400	J	2900	7.3	ug/Kg	10	☼	8270C	Total/NA
Di-n-butyl phthalate	2600	J B	2900	170	ug/Kg	10	☼	8270C	Total/NA
Fluoranthene	9900		2900	6.1	ug/Kg	10	☼	8270C	Total/NA
Fluorene	730	J	2900	5.9	ug/Kg	10	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	1900	J	2900	3.9	ug/Kg	10	☼	8270C	Total/NA
Naphthalene	210	J	2900	9.1	ug/Kg	10	☼	8270C	Total/NA
Phenanthrene	7000		2900	8.1	ug/Kg	10	☼	8270C	Total/NA
Pyrene	7300		2900	4.9	ug/Kg	10	☼	8270C	Total/NA
Aroclor-1260	52000		18000	9400	ug/Kg	500	☼	8082	Total/NA
Barium	48	B	0.84	0.074	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.19		0.17	0.045	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.98		0.084	0.038	mg/Kg	1	☼	6010B	Total/NA
Cobalt	3.3		0.42	0.17	mg/Kg	1	☼	6010B	Total/NA
Chromium	23		0.84	0.21	mg/Kg	1	☼	6010B	Total/NA
Copper	8.4		0.84	0.77	mg/Kg	1	☼	6010B	Total/NA
Manganese	290	B	0.84	0.077	mg/Kg	1	☼	6010B	Total/NA
Nickel	7.4		0.84	0.28	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SO-17303-123013-CT-108 (Continued)

Lab Sample ID: 240-32984-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	12		0.84	0.13	mg/Kg	1	☼	6010B	Total/NA
Zinc	85	B	2.1	1.0	mg/Kg	1	☼	6010B	Total/NA
Lead	64		0.25	0.20	mg/Kg	1	☼	6010B	Total/NA
Antimony	4.0		0.34	0.019	mg/Kg	2	☼	6020	Total/NA
Arsenic	4.2	B	0.17	0.013	mg/Kg	2	☼	6020	Total/NA
Selenium	0.22	J	0.34	0.058	mg/Kg	2	☼	6020	Total/NA
Thallium	0.067	J	0.17	0.017	mg/Kg	2	☼	6020	Total/NA
Silver	0.088	J	0.17	0.0023	mg/Kg	2	☼	6020	Total/NA
Mercury	0.019	J	0.042	0.016	mg/Kg	1	☼	7471A	Total/NA
Cr (VI)	2.5		0.89	0.30	mg/Kg	1	☼	7196A	Total/NA
Cr (III)	21		0.89	0.14	mg/Kg	1	☼	7196A	Total/NA

Client Sample ID: SO-17303-123013-CT-109

Lab Sample ID: 240-32984-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	660		44	11	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	8.1	J B	130	6.8	ug/Kg	1	☼	8260B	Total/NA
Cyclohexane	51	J	1000	44	ug/Kg	1	☼	8260B	Total/NA
cis-1,2-Dichloroethene	60		44	7.5	ug/Kg	1	☼	8260B	Total/NA
Methyl acetate	36	J	1000	27	ug/Kg	1	☼	8260B	Total/NA
2-Methylnaphthalene	39	J	1500	2.8	ug/Kg	5	☼	8270C	Total/NA
Acenaphthene	160	J	1500	4.2	ug/Kg	5	☼	8270C	Total/NA
Acenaphthylene	23	J	1500	1.9	ug/Kg	5	☼	8270C	Total/NA
Anthracene	340	J	1500	4.3	ug/Kg	5	☼	8270C	Total/NA
Benzo[a]anthracene	1400	J	1500	3.5	ug/Kg	5	☼	8270C	Total/NA
Benzo[a]pyrene	1300	J	1500	3.6	ug/Kg	5	☼	8270C	Total/NA
Benzo[b]fluoranthene	1800		1500	3.3	ug/Kg	5	☼	8270C	Total/NA
Benzo[g,h,i]perylene	1100	J	1500	1.9	ug/Kg	5	☼	8270C	Total/NA
Benzo[k]fluoranthene	820	J	1500	3.8	ug/Kg	5	☼	8270C	Total/NA
Carbazole	200	J	1500	150	ug/Kg	5	☼	8270C	Total/NA
Chrysene	1600		1500	6.1	ug/Kg	5	☼	8270C	Total/NA
Dibenzofuran	78	J	1500	3.7	ug/Kg	5	☼	8270C	Total/NA
Fluoranthene	3400		1500	3.1	ug/Kg	5	☼	8270C	Total/NA
Fluorene	150	J	1500	2.9	ug/Kg	5	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	820	J	1500	1.9	ug/Kg	5	☼	8270C	Total/NA
Phenanthrene	1900		1500	4.1	ug/Kg	5	☼	8270C	Total/NA
Pyrene	2900		1500	2.4	ug/Kg	5	☼	8270C	Total/NA
Aroclor-1260	340		72	37	ug/Kg	2	☼	8082	Total/NA
Barium	56	B	0.85	0.076	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.22		0.17	0.046	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.80		0.085	0.038	mg/Kg	1	☼	6010B	Total/NA
Cobalt	4.4		0.43	0.17	mg/Kg	1	☼	6010B	Total/NA
Chromium	22		0.85	0.21	mg/Kg	1	☼	6010B	Total/NA
Copper	8.2		0.85	0.79	mg/Kg	1	☼	6010B	Total/NA
Manganese	620	B	0.85	0.079	mg/Kg	1	☼	6010B	Total/NA
Nickel	8.2		0.85	0.29	mg/Kg	1	☼	6010B	Total/NA
Vanadium	10		0.85	0.13	mg/Kg	1	☼	6010B	Total/NA
Zinc	48	B	2.1	1.1	mg/Kg	1	☼	6010B	Total/NA
Lead	82		0.26	0.20	mg/Kg	1	☼	6010B	Total/NA
Antimony	1.8		0.34	0.019	mg/Kg	2	☼	6020	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SO-17303-123013-CT-109 (Continued)

Lab Sample ID: 240-32984-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.2	B	0.17	0.013	mg/Kg	2	☼	6020	Total/NA
Selenium	0.22	J	0.34	0.059	mg/Kg	2	☼	6020	Total/NA
Thallium	0.099	J	0.17	0.017	mg/Kg	2	☼	6020	Total/NA
Silver	0.035	J	0.17	0.0024	mg/Kg	2	☼	6020	Total/NA
Mercury	0.018	J	0.046	0.017	mg/Kg	1	☼	7471A	Total/NA
Cr (VI)	0.80	J	0.88	0.30	mg/Kg	1	☼	7196A	Total/NA
Cr (III)	21		0.88	0.14	mg/Kg	1	☼	7196A	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CAN
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CAN
6010B	Metals (ICP)	SW846	TAL CAN
6020	Metals (ICP/MS)	SW846	TAL CAN
7471A	Mercury (CVAA)	SW846	TAL CAN
7196A	Chromium, Hexavalent	SW846	TAL CAN
7196A	Chromium, Trivalent (Colorimetric)	SW846	TAL CAN
Moisture	Percent Moisture	EPA	TAL CAN

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

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

Client Sample ID: SO-17303-122613-MA-005
Date Collected: 12/26/13 09:10
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-1
Matrix: Solid
Percent Solids: 91.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	35000	U	35000	9800	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Benzene	2300	U	2300	690	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Bromodichloromethane	4600	U	4600	570	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Bromoform	4600	U	4600	1100	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Bromomethane	12000	U *	12000	1700	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
2-Butanone (MEK)	35000	U	35000	2500	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Carbon disulfide	12000	U *	12000	690	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Carbon tetrachloride	2300	U	2300	370	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Chlorobenzene	2300	U	2300	370	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Chloroethane	12000	U *	12000	3500	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Chloroform	2300	U	2300	510	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Chloromethane	12000	U	12000	810	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
1,1-Dichloroethane	2300	U *	2300	980	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
1,2-Dichloroethane	2300	U	2300	580	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
1,1-Dichloroethene	2300	U	2300	1000	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
1,2-Dichloropropane	2300	U *	2300	470	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
cis-1,3-Dichloropropene	2300	U	2300	460	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
trans-1,3-Dichloropropene	2300	U	2300	1200	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Ethylbenzene	**10000**		2300	310	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
2-Hexanone	120000	U *	120000	1200	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Methylene Chloride	12000	U	12000	4400	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
4-Methyl-2-pentanone (MIBK)	120000	U *	120000	2800	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Styrene	2300	U	2300	320	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
1,1,2,2-Tetrachloroethane	2300	U	2300	510	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Tetrachloroethene	2300	U	2300	690	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Toluene	**6100**		4600	980	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Trichloroethene	**210000**		2300	560	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Vinyl chloride	1800	U	1800	1000	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Xylenes, Total	**97000**	**B**	6900	360	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
1,1,1-Trichloroethane	2300	U	2300	1200	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
1,1,2-Trichloroethane	2300	U	2300	690	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Cyclohexane	55000	U	55000	2300	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
1,2-Dibromo-3-Chloropropane	12000	U	12000	2900	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
1,2-Dibromoethane	12000	U	12000	580	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Dichlorodifluoromethane	4600	U	4600	920	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
cis-1,2-Dichloroethene	**7800**		2300	400	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
trans-1,2-Dichloroethene	2300	U *	2300	530	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Isopropylbenzene	**2200**	**J**	12000	380	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Methyl acetate	55000	U	55000	1400	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Methyl tert-butyl ether	12000	U	12000	410	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
1,1,2-Trichloro-1,2,2-trifluoroethane	12000	U	12000	2300	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
1,2,4-Trichlorobenzene	12000	U	12000	420	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
1,2-Dichlorobenzene	**590**	**J**	4600	500	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
1,3-Dichlorobenzene	4600	U	4600	280	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
1,4-Dichlorobenzene	4600	U	4600	460	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Trichlorofluoromethane	4600	U	4600	920	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Dibromochloromethane	2300	U	2300	690	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40
Methylcyclohexane	**1400**	**J**	55000	690	ug/Kg	☼	01/03/14 14:53	01/06/14 20:50	40

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	133	X	39 - 128	01/03/14 14:53	01/06/14 20:50	40
4-Bromofluorobenzene (Surr)	115		26 - 141	01/03/14 14:53	01/06/14 20:50	40
Toluene-d8 (Surr)	109		33 - 134	01/03/14 14:53	01/06/14 20:50	40
Dibromofluoromethane (Surr)	98		30 - 122	01/03/14 14:53	01/06/14 20:50	40

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

Client Sample ID: SO-17303-122613-MA-006
Date Collected: 12/26/13 09:15
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-2
Matrix: Solid
Percent Solids: 95.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	2500	U	2500	710	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Benzene	170	U	170	50	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Bromodichloromethane	340	U	340	42	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Bromoform	340	U	340	80	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Bromomethane	840	U *	840	120	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
2-Butanone (MEK)	2500	U	2500	180	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Carbon disulfide	840	U *	840	50	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Carbon tetrachloride	170	U	170	27	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Chlorobenzene	170	U	170	27	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Chloroethane	840	U *	840	260	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Chloroform	170	U	170	37	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Chloromethane	840	U	840	59	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
1,1-Dichloroethane	170	U *	170	71	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
1,2-Dichloroethane	170	U	170	42	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
1,1-Dichloroethene	170	U	170	76	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
1,2-Dichloropropane	170	U *	170	34	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
cis-1,3-Dichloropropene	170	U	170	33	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
trans-1,3-Dichloropropene	170	U	170	84	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Ethylbenzene	**130**	**J**	170	23	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
2-Hexanone	8400	U *	8400	84	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Methylene Chloride	840	U	840	320	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
4-Methyl-2-pentanone (MIBK)	8400	U *	8400	200	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Styrene	170	U	170	24	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
1,1,2,2-Tetrachloroethane	170	U	170	37	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Tetrachloroethene	170	U	170	50	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Toluene	**110**	**J**	340	71	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Trichloroethene	**8300**		170	41	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Vinyl chloride	130	U	130	76	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Xylenes, Total	**930**	**B**	500	26	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
1,1,1-Trichloroethane	170	U	170	88	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
1,1,2-Trichloroethane	170	U	170	50	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Cyclohexane	4000	U	4000	170	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
1,2-Dibromo-3-Chloropropane	840	U	840	210	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
1,2-Dibromoethane	840	U	840	42	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Dichlorodifluoromethane	340	U	340	67	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
cis-1,2-Dichloroethene	**870**		170	29	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
trans-1,2-Dichloroethene	170	U *	170	39	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Isopropylbenzene	840	U	840	27	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Methyl acetate	4000	U	4000	110	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Methyl tert-butyl ether	840	U	840	30	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
1,1,2-Trichloro-1,2,2-trifluoroethane	840	U	840	160	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
1,2,4-Trichlorobenzene	840	U	840	31	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
1,2-Dichlorobenzene	340	U	340	36	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
1,3-Dichlorobenzene	340	U	340	20	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
1,4-Dichlorobenzene	340	U	340	34	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Trichlorofluoromethane	340	U	340	67	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Dibromochloromethane	170	U	170	50	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4
Methylcyclohexane	**920**	**J**	4000	50	ug/Kg	☼	01/03/14 14:53	01/07/14 18:55	4

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		39 - 128	01/03/14 14:53	01/07/14 18:55	4
4-Bromofluorobenzene (Surr)	98		26 - 141	01/03/14 14:53	01/07/14 18:55	4
Toluene-d8 (Surr)	109		33 - 134	01/03/14 14:53	01/07/14 18:55	4
Dibromofluoromethane (Surr)	103		30 - 122	01/03/14 14:53	01/07/14 18:55	4

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

Client Sample ID: SO-17303-122613-MA-007
Date Collected: 12/26/13 09:20
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-3
Matrix: Solid
Percent Solids: 81.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	74000	U	74000	21000	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Benzene	**2300**	**J**	4900	1500	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Bromodichloromethane	9800	U	9800	1200	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Bromoform	9800	U	9800	2300	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Bromomethane	25000	U *	25000	3600	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
2-Butanone (MEK)	74000	U	74000	5300	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Carbon disulfide	25000	U *	25000	1500	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Carbon tetrachloride	4900	U	4900	780	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Chlorobenzene	4900	U	4900	780	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Chloroethane	25000	U *	25000	7500	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Chloroform	4900	U	4900	1100	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Chloromethane	25000	U	25000	1700	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
1,1-Dichloroethane	4900	U *	4900	2100	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
1,2-Dichloroethane	4900	U	4900	1200	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
1,1-Dichloroethene	4900	U	4900	2200	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
1,2-Dichloropropane	4900	U *	4900	1000	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
cis-1,3-Dichloropropene	4900	U	4900	970	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
trans-1,3-Dichloropropene	4900	U	4900	2500	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Ethylbenzene	**65000**		4900	660	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
2-Hexanone	250000	U *	250000	2500	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Methylene Chloride	25000	U	25000	9400	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
4-Methyl-2-pentanone (MIBK)	250000	U *	250000	5900	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Styrene	4900	U	4900	690	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
1,1,2,2-Tetrachloroethane	4900	U	4900	1100	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Tetrachloroethene	4900	U	4900	1500	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Toluene	**21000**		9800	2100	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Trichloroethene	4900	U	4900	1200	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Vinyl chloride	3900	U	3900	2200	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Xylenes, Total	**270000**	**B**	15000	760	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
1,1,1-Trichloroethane	4900	U	4900	2600	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
1,1,2-Trichloroethane	4900	U	4900	1500	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Cyclohexane	**7600**	**J**	120000	4900	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
1,2-Dibromo-3-Chloropropane	25000	U	25000	6100	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
1,2-Dibromoethane	25000	U	25000	1200	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Dichlorodifluoromethane	9800	U	9800	2000	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
cis-1,2-Dichloroethene	**42000**		4900	850	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
trans-1,2-Dichloroethene	4900	U *	4900	1100	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Isopropylbenzene	**5400**	**J**	25000	800	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Methyl acetate	120000	U	120000	3100	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Methyl tert-butyl ether	25000	U	25000	870	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
1,1,2-Trichloro-1,2,2-trifluoroethane	25000	U	25000	4800	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
1,2,4-Trichlorobenzene	25000	U	25000	890	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
1,2-Dichlorobenzene	9800	U	9800	1100	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
1,3-Dichlorobenzene	9800	U	9800	590	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
1,4-Dichlorobenzene	9800	U	9800	980	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Trichlorofluoromethane	9800	U	9800	2000	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Dibromochloromethane	4900	U	4900	1500	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100
Methylcyclohexane	**25000**	**J**	120000	1500	ug/Kg	☼	01/03/14 14:53	01/07/14 19:18	100

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	79		39 - 128	01/03/14 14:53	01/07/14 19:18	100
4-Bromofluorobenzene (Surr)	0	X	26 - 141	01/03/14 14:53	01/07/14 19:18	100
Toluene-d8 (Surr)	0	X	33 - 134	01/03/14 14:53	01/07/14 19:18	100
Dibromofluoromethane (Surr)	0	X	30 - 122	01/03/14 14:53	01/07/14 19:18	100

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

Client Sample ID: SO-17303-123013-CT-100
Date Collected: 12/30/13 10:05
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-4
Matrix: Solid
Percent Solids: 92.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1100	U	1100	320	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Benzene	76	U	76	23	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Bromodichloromethane	150	U	150	19	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Bromoform	150	U	150	36	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Bromomethane	380	U *	380	55	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
2-Butanone (MEK)	1100	U	1100	82	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Carbon disulfide	380	U *	380	23	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Carbon tetrachloride	76	U	76	12	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Chlorobenzene	76	U	76	12	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Chloroethane	380	U *	380	120	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Chloroform	76	U	76	17	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Chloromethane	380	U	380	27	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
1,1-Dichloroethane	76	U *	76	32	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
1,2-Dichloroethane	76	U	76	19	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
1,1-Dichloroethene	76	U	76	34	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
1,2-Dichloropropane	76	U *	76	16	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
cis-1,3-Dichloropropene	76	U	76	15	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
trans-1,3-Dichloropropene	76	U	76	38	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Ethylbenzene	76	U	76	10	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
2-Hexanone	3800	U *	3800	38	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Methylene Chloride	380	U	380	150	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
4-Methyl-2-pentanone (MIBK)	3800	U *	3800	91	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Styrene	**19**	**J**	76	11	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
1,1,2,2-Tetrachloroethane	76	U	76	17	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Tetrachloroethene	76	U	76	23	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Toluene	150	U	150	32	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Trichloroethene	**4500**		76	18	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Vinyl chloride	61	U	61	34	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Xylenes, Total	**64**	**J B**	230	12	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
1,1,1-Trichloroethane	76	U	76	40	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
1,1,2-Trichloroethane	**30**	**J**	76	23	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Cyclohexane	1800	U	1800	76	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
1,2-Dibromo-3-Chloropropane	380	U	380	95	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
1,2-Dibromoethane	380	U	380	19	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Dichlorodifluoromethane	150	U	150	30	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
cis-1,2-Dichloroethene	**150**		76	13	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
trans-1,2-Dichloroethene	76	U *	76	17	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Isopropylbenzene	380	U	380	12	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Methyl acetate	**56**	**J**	1800	48	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Methyl tert-butyl ether	380	U	380	13	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
1,1,2-Trichloro-1,2,2-trifluoroethane	380	U	380	74	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
1,2,4-Trichlorobenzene	380	U	380	14	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
1,2-Dichlorobenzene	150	U	150	16	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
1,3-Dichlorobenzene	150	U	150	9.1	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
1,4-Dichlorobenzene	150	U	150	15	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Trichlorofluoromethane	150	U	150	30	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Dibromochloromethane	76	U	76	23	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333
Methylcyclohexane	1800	U	1800	23	ug/Kg	☼	01/03/14 14:53	01/07/14 19:42	1.333

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		39 - 128	01/03/14 14:53	01/07/14 19:42	1.333
4-Bromofluorobenzene (Surr)	95		26 - 141	01/03/14 14:53	01/07/14 19:42	1.333
Toluene-d8 (Surr)	100		33 - 134	01/03/14 14:53	01/07/14 19:42	1.333
Dibromofluoromethane (Surr)	88		30 - 122	01/03/14 14:53	01/07/14 19:42	1.333

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

Client Sample ID: SO-17303-123013-CT-101
Date Collected: 12/30/13 10:10
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-5
Matrix: Solid
Percent Solids: 95.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	2300	U	2300	640	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Benzene	150	U	150	45	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Bromodichloromethane	300	U	300	37	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Bromoform	300	U	300	71	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Bromomethane	750	U *	750	110	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
2-Butanone (MEK)	2300	U	2300	160	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Carbon disulfide	750	U *	750	45	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Carbon tetrachloride	150	U	150	24	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Chlorobenzene	150	U	150	24	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Chloroethane	750	U *	750	230	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Chloroform	150	U	150	33	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Chloromethane	750	U	750	53	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
1,1-Dichloroethane	150	U *	150	64	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
1,2-Dichloroethane	150	U	150	38	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
1,1-Dichloroethene	150	U	150	68	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
1,2-Dichloropropane	150	U *	150	31	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
cis-1,3-Dichloropropene	150	U	150	30	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
trans-1,3-Dichloropropene	150	U	150	75	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Ethylbenzene	**35**	**J**	150	20	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
2-Hexanone	7500	U *	7500	75	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Methylene Chloride	750	U	750	290	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
4-Methyl-2-pentanone (MIBK)	7500	U *	7500	180	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Styrene	150	U	150	21	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
1,1,2,2-Tetrachloroethane	150	U	150	33	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Tetrachloroethene	150	U	150	45	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Toluene	300	U	300	64	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Trichloroethene	**7100**		150	36	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Vinyl chloride	120	U	120	68	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Xylenes, Total	**240**	**J B**	450	23	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
1,1,1-Trichloroethane	150	U	150	79	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
1,1,2-Trichloroethane	150	U	150	45	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Cyclohexane	**160**	**J**	3600	150	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
1,2-Dibromo-3-Chloropropane	750	U	750	190	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
1,2-Dibromoethane	750	U	750	38	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Dichlorodifluoromethane	300	U	300	60	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
cis-1,2-Dichloroethene	**510**		150	26	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
trans-1,2-Dichloroethene	150	U *	150	35	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Isopropylbenzene	750	U	750	24	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Methyl acetate	3600	U	3600	94	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Methyl tert-butyl ether	750	U	750	27	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
1,1,2-Trichloro-1,2,2-trifluoroethane	750	U	750	150	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
1,2,4-Trichlorobenzene	750	U	750	27	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
1,2-Dichlorobenzene	300	U	300	32	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
1,3-Dichlorobenzene	300	U	300	18	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
1,4-Dichlorobenzene	300	U	300	30	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Trichlorofluoromethane	300	U	300	60	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Dibromochloromethane	150	U	150	45	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5
Methylcyclohexane	3600	U	3600	45	ug/Kg	☼	01/03/14 14:53	01/07/14 20:05	2.5

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		39 - 128	01/03/14 14:53	01/07/14 20:05	2.5
4-Bromofluorobenzene (Surr)	104		26 - 141	01/03/14 14:53	01/07/14 20:05	2.5
Toluene-d8 (Surr)	107		33 - 134	01/03/14 14:53	01/07/14 20:05	2.5
Dibromofluoromethane (Surr)	97		30 - 122	01/03/14 14:53	01/07/14 20:05	2.5

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

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

Client Sample ID: SO-17303-123013-CT-102
Date Collected: 12/30/13 10:30
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-6
Matrix: Solid
Percent Solids: 94.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	2800	U	2800	800	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Benzene	190	U	190	57	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Bromodichloromethane	380	U	380	47	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Bromoform	380	U	380	90	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Bromomethane	950	U *	950	140	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
2-Butanone (MEK)	2800	U	2800	200	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Carbon disulfide	950	U *	950	57	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Carbon tetrachloride	190	U	190	30	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Chlorobenzene	190	U	190	30	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Chloroethane	950	U *	950	290	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Chloroform	190	U	190	42	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Chloromethane	950	U	950	66	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
1,1-Dichloroethane	190	U *	190	80	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
1,2-Dichloroethane	190	U	190	47	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
1,1-Dichloroethene	190	U	190	85	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
1,2-Dichloropropane	190	U *	190	39	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
cis-1,3-Dichloropropene	190	U	190	37	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
trans-1,3-Dichloropropene	190	U	190	95	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Ethylbenzene	190	U	190	26	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
2-Hexanone	9500	U *	9500	95	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Methylene Chloride	950	U	950	360	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
4-Methyl-2-pentanone (MIBK)	9500	U *	9500	230	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Styrene	190	U	190	27	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
1,1,2,2-Tetrachloroethane	190	U	190	42	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Tetrachloroethene	190	U	190	57	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Toluene	380	U	380	80	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Trichloroethene	**12000**		190	46	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Vinyl chloride	150	U	150	85	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Xylenes, Total	**160**	**J B**	570	29	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
1,1,1-Trichloroethane	190	U	190	99	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
1,1,2-Trichloroethane	**74**	**J**	190	57	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Cyclohexane	4500	U	4500	190	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
1,2-Dibromo-3-Chloropropane	950	U	950	240	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
1,2-Dibromoethane	950	U	950	47	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Dichlorodifluoromethane	380	U	380	76	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
cis-1,2-Dichloroethene	**450**		190	33	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
trans-1,2-Dichloroethene	190	U *	190	44	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Isopropylbenzene	950	U	950	31	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Methyl acetate	4500	U	4500	120	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Methyl tert-butyl ether	950	U	950	34	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
1,1,2-Trichloro-1,2,2-trifluoroethane	950	U	950	180	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
1,2,4-Trichlorobenzene	950	U	950	35	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
1,2-Dichlorobenzene	380	U	380	41	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
1,3-Dichlorobenzene	380	U	380	23	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
1,4-Dichlorobenzene	380	U	380	38	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Trichlorofluoromethane	380	U	380	76	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Dibromochloromethane	190	U	190	57	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4
Methylcyclohexane	4500	U	4500	57	ug/Kg	☼	01/03/14 14:53	01/07/14 20:29	4

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		39 - 128	01/03/14 14:53	01/07/14 20:29	4
4-Bromofluorobenzene (Surr)	104		26 - 141	01/03/14 14:53	01/07/14 20:29	4
Toluene-d8 (Surr)	112		33 - 134	01/03/14 14:53	01/07/14 20:29	4
Dibromofluoromethane (Surr)	104		30 - 122	01/03/14 14:53	01/07/14 20:29	4

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

Client Sample ID: SO-17303-123013-CT-103
Date Collected: 12/30/13 10:40
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-7
Matrix: Solid
Percent Solids: 94.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	6100	U	6100	1700	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Benzene	400	U	400	120	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Bromodichloromethane	810	U	810	100	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Bromoform	810	U	810	190	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Bromomethane	2000	U *	2000	290	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
2-Butanone (MEK)	6100	U	6100	430	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Carbon disulfide	2000	U *	2000	120	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Carbon tetrachloride	400	U	400	65	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Chlorobenzene	400	U	400	65	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Chloroethane	2000	U *	2000	620	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Chloroform	400	U	400	89	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Chloromethane	2000	U	2000	140	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
1,1-Dichloroethane	400	U *	400	170	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
1,2-Dichloroethane	400	U	400	100	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
1,1-Dichloroethene	400	U	400	180	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
1,2-Dichloropropane	400	U *	400	83	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
cis-1,3-Dichloropropene	400	U	400	80	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
trans-1,3-Dichloropropene	400	U	400	200	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Ethylbenzene	**120**	**J**	400	55	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
2-Hexanone	20000	U *	20000	200	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Methylene Chloride	2000	U	2000	780	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
4-Methyl-2-pentanone (MIBK)	20000	U *	20000	490	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Styrene	400	U	400	57	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
1,1,2,2-Tetrachloroethane	400	U	400	90	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Tetrachloroethene	400	U	400	120	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Toluene	810	U	810	170	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Trichloroethene	**23000**		400	98	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Vinyl chloride	320	U	320	180	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Xylenes, Total	**680**	**J B**	1200	63	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
1,1,1-Trichloroethane	400	U	400	210	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
1,1,2-Trichloroethane	400	U	400	120	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Cyclohexane	9700	U	9700	400	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
1,2-Dibromo-3-Chloropropane	2000	U	2000	510	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
1,2-Dibromoethane	2000	U	2000	100	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Dichlorodifluoromethane	810	U	810	160	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
cis-1,2-Dichloroethene	**1100**		400	70	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
trans-1,2-Dichloroethene	400	U *	400	93	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Isopropylbenzene	2000	U	2000	66	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Methyl acetate	9700	U	9700	250	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Methyl tert-butyl ether	2000	U	2000	72	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
1,1,2-Trichloro-1,2,2-trifluoroethane	2000	U	2000	390	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
1,2,4-Trichlorobenzene	2000	U	2000	74	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
1,2-Dichlorobenzene	810	U	810	87	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
1,3-Dichlorobenzene	810	U	810	49	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
1,4-Dichlorobenzene	810	U	810	81	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Trichlorofluoromethane	810	U	810	160	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Dibromochloromethane	400	U	400	120	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10
Methylcyclohexane	9700	U	9700	120	ug/Kg	☼	01/03/14 14:53	01/07/14 20:52	10

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	126		39 - 128	01/03/14 14:53	01/07/14 20:52	10
4-Bromofluorobenzene (Surr)	108		26 - 141	01/03/14 14:53	01/07/14 20:52	10
Toluene-d8 (Surr)	121		33 - 134	01/03/14 14:53	01/07/14 20:52	10
Dibromofluoromethane (Surr)	103		30 - 122	01/03/14 14:53	01/07/14 20:52	10

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

Client Sample ID: SO-17303-123013-CT-104
Date Collected: 12/30/13 10:50
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-8
Matrix: Solid
Percent Solids: 94.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1800	U	1800	500	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Benzene	120	U	120	35	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Bromodichloromethane	240	U	240	29	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Bromoform	240	U	240	56	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Bromomethane	590	U *	590	85	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
2-Butanone (MEK)	1800	U	1800	130	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Carbon disulfide	590	U *	590	35	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Carbon tetrachloride	120	U	120	19	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Chlorobenzene	120	U	120	19	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Chloroethane	590	U *	590	180	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Chloroform	120	U	120	26	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Chloromethane	590	U	590	41	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
1,1-Dichloroethane	120	U *	120	50	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
1,2-Dichloroethane	120	U	120	29	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
1,1-Dichloroethene	120	U	120	53	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
1,2-Dichloropropane	120	U *	120	24	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
cis-1,3-Dichloropropene	120	U	120	23	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
trans-1,3-Dichloropropene	120	U	120	59	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Ethylbenzene	**79**	**J**	120	16	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
2-Hexanone	5900	U *	5900	59	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Methylene Chloride	590	U	590	230	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
4-Methyl-2-pentanone (MIBK)	5900	U *	5900	140	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Styrene	120	U	120	16	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
1,1,2,2-Tetrachloroethane	120	U	120	26	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Tetrachloroethene	120	U	120	35	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Toluene	**79**	**J**	240	50	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Trichloroethene	**5500**		120	29	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Vinyl chloride	94	U	94	53	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Xylenes, Total	**730**	**B**	350	18	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
1,1,1-Trichloroethane	120	U	120	62	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
1,1,2-Trichloroethane	120	U	120	35	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Cyclohexane	2800	U	2800	120	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
1,2-Dibromo-3-Chloropropane	590	U	590	150	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
1,2-Dibromoethane	590	U	590	29	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Dichlorodifluoromethane	240	U	240	47	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
cis-1,2-Dichloroethene	**960**		120	20	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
trans-1,2-Dichloroethene	120	U *	120	27	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Isopropylbenzene	**23**	**J**	590	19	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Methyl acetate	2800	U	2800	74	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Methyl tert-butyl ether	590	U	590	21	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
1,1,2-Trichloro-1,2,2-trifluoroethane	590	U	590	110	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
1,2,4-Trichlorobenzene	590	U	590	21	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
1,2-Dichlorobenzene	240	U	240	25	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
1,3-Dichlorobenzene	240	U	240	14	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
1,4-Dichlorobenzene	240	U	240	24	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Trichlorofluoromethane	240	U	240	47	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Dibromochloromethane	120	U	120	35	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5
Methylcyclohexane	2800	U	2800	35	ug/Kg	☼	01/03/14 14:53	01/07/14 21:15	2.5

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*113*		*39 - 128*	*01/03/14 14:53*	*01/07/14 21:15*	*2.5*
4-Bromofluorobenzene (Surr)	*112*		*26 - 141*	*01/03/14 14:53*	*01/07/14 21:15*	*2.5*
Toluene-d8 (Surr)	*112*		*33 - 134*	*01/03/14 14:53*	*01/07/14 21:15*	*2.5*
Dibromofluoromethane (Surr)	*96*		*30 - 122*	*01/03/14 14:53*	*01/07/14 21:15*	*2.5*

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

Client Sample ID: SO-17303-123013-CT-105
Date Collected: 12/30/13 09:45
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-9
Matrix: Solid
Percent Solids: 91.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	320000	U	320000	90000	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Benzene	21000	U	21000	6400	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Bromodichloromethane	43000	U	43000	5300	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Bromoform	43000	U	43000	10000	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Bromomethane	110000	U *	110000	15000	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
2-Butanone (MEK)	320000	U	320000	23000	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Carbon disulfide	110000	U *	110000	6400	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Carbon tetrachloride	21000	U	21000	3400	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Chlorobenzene	21000	U	21000	3400	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Chloroethane	110000	U *	110000	32000	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Chloroform	21000	U	21000	4700	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Chloromethane	110000	U	110000	7400	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
1,1-Dichloroethane	21000	U *	21000	9000	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
1,2-Dichloroethane	21000	U	21000	5300	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
1,1-Dichloroethene	21000	U	21000	9600	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
1,2-Dichloropropane	21000	U *	21000	4400	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
cis-1,3-Dichloropropene	21000	U	21000	4200	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
trans-1,3-Dichloropropene	21000	U	21000	11000	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Ethylbenzene	**43000**		21000	2900	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
2-Hexanone	1100000	U *	1100000	11000	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Methylene Chloride	110000	U	110000	41000	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
4-Methyl-2-pentanone (MIBK)	1100000	U *	1100000	26000	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Styrene	21000	U	21000	3000	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
1,1,2,2-Tetrachloroethane	21000	U	21000	4700	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Tetrachloroethene	21000	U	21000	6400	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Toluene	**31000**	**J**	43000	9000	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Trichloroethene	**960000**		21000	5200	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Vinyl chloride	17000	U	17000	9600	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Xylenes, Total	**300000**	**B**	64000	3300	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
1,1,1-Trichloroethane	21000	U	21000	11000	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
1,1,2-Trichloroethane	21000	U	21000	6400	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Cyclohexane	**22000**	**J**	510000	21000	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
1,2-Dibromo-3-Chloropropane	110000	U	110000	27000	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
1,2-Dibromoethane	110000	U	110000	5300	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Dichlorodifluoromethane	43000	U	43000	8500	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
cis-1,2-Dichloroethene	**95000**		21000	3700	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
trans-1,2-Dichloroethene	21000	U *	21000	4900	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Isopropylbenzene	**6200**	**J**	110000	3500	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Methyl acetate	510000	U	510000	13000	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Methyl tert-butyl ether	110000	U	110000	3800	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
1,1,2-Trichloro-1,2,2-trifluoroethane	110000	U	110000	21000	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
1,2,4-Trichlorobenzene	110000	U	110000	3900	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
1,2-Dichlorobenzene	43000	U	43000	4600	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
1,3-Dichlorobenzene	43000	U	43000	2600	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
1,4-Dichlorobenzene	43000	U	43000	4300	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Trichlorofluoromethane	43000	U	43000	8500	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Dibromochloromethane	21000	U	21000	6400	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500
Methylcyclohexane	**7500**	**J**	510000	6400	ug/Kg	☼	01/03/14 14:53	01/07/14 21:39	500

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	0	X	39 - 128	01/03/14 14:53	01/07/14 21:39	500
4-Bromofluorobenzene (Surr)	0	X	26 - 141	01/03/14 14:53	01/07/14 21:39	500
Toluene-d8 (Surr)	0	X	33 - 134	01/03/14 14:53	01/07/14 21:39	500
Dibromofluoromethane (Surr)	0	X	30 - 122	01/03/14 14:53	01/07/14 21:39	500

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

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

Client Sample ID: SO-17303-123013-CT-106
Date Collected: 12/30/13 09:55
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-10
Matrix: Solid
Percent Solids: 93.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1400000	U	1400000	410000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Benzene	96000	U	96000	29000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Bromodichloromethane	190000	U	190000	24000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Bromoform	190000	U	190000	45000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Bromomethane	480000	U *	480000	69000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
2-Butanone (MEK)	1400000	U	1400000	100000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Carbon disulfide	480000	U *	480000	29000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Carbon tetrachloride	96000	U	96000	15000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Chlorobenzene	96000	U	96000	15000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Chloroethane	480000	U *	480000	150000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Chloroform	96000	U	96000	21000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Chloromethane	480000	U	480000	33000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
1,1-Dichloroethane	96000	U *	96000	41000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
1,2-Dichloroethane	96000	U	96000	24000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
1,1-Dichloroethene	96000	U	96000	43000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
1,2-Dichloropropane	96000	U *	96000	20000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
cis-1,3-Dichloropropene	96000	U	96000	19000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
trans-1,3-Dichloropropene	96000	U	96000	48000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Ethylbenzene	**65000**	**J**	96000	13000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
2-Hexanone	4800000	U *	4800000	48000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Methylene Chloride	480000	U	480000	180000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
4-Methyl-2-pentanone (MIBK)	4800000	U *	4800000	110000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Styrene	96000	U	96000	13000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
1,1,2,2-Tetrachloroethane	96000	U	96000	21000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Tetrachloroethene	96000	U	96000	29000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Toluene	**73000**	**J**	190000	41000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Trichloroethene	**2700000**		96000	23000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Vinyl chloride	76000	U	76000	43000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Xylenes, Total	**570000**	**B**	290000	15000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
1,1,1-Trichloroethane	96000	U	96000	50000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
1,1,2-Trichloroethane	96000	U	96000	29000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Cyclohexane	2300000	U	2300000	96000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
1,2-Dibromo-3-Chloropropane	480000	U	480000	120000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
1,2-Dibromoethane	480000	U	480000	24000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Dichlorodifluoromethane	190000	U	190000	38000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
cis-1,2-Dichloroethene	**250000**		96000	16000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
trans-1,2-Dichloroethene	96000	U *	96000	22000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Isopropylbenzene	480000	U	480000	16000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Methyl acetate	2300000	U	2300000	60000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Methyl tert-butyl ether	480000	U	480000	17000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	480000	U	480000	93000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
1,2,4-Trichlorobenzene	480000	U	480000	17000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
1,2-Dichlorobenzene	190000	U	190000	21000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
1,3-Dichlorobenzene	190000	U	190000	11000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
1,4-Dichlorobenzene	190000	U	190000	19000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Trichlorofluoromethane	190000	U	190000	38000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Dibromochloromethane	96000	U	96000	29000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000
Methylcyclohexane	2300000	U	2300000	29000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:02	2000

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	0	X	39 - 128	01/03/14 14:53	01/07/14 22:02	2000
4-Bromofluorobenzene (Surr)	0	X	26 - 141	01/03/14 14:53	01/07/14 22:02	2000
Toluene-d8 (Surr)	0	X	33 - 134	01/03/14 14:53	01/07/14 22:02	2000
Dibromofluoromethane (Surr)	0	X	30 - 122	01/03/14 14:53	01/07/14 22:02	2000

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

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

Client Sample ID: SO-17303-123013-CT-107
Date Collected: 12/30/13 10:55
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-11
Matrix: Solid
Percent Solids: 87.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1600000	U	1600000	440000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Benzene	100000	U	100000	31000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Bromodichloromethane	210000	U	210000	26000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Bromoform	210000	U	210000	49000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Bromomethane	520000	U *	520000	75000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
2-Butanone (MEK)	1600000	U	1600000	110000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Carbon disulfide	520000	U *	520000	31000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Carbon tetrachloride	100000	U	100000	17000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Chlorobenzene	100000	U	100000	17000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Chloroethane	520000	U *	520000	160000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Chloroform	100000	U	100000	23000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Chloromethane	520000	U	520000	36000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
1,1-Dichloroethane	100000	U *	100000	44000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
1,2-Dichloroethane	100000	U	100000	26000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
1,1-Dichloroethene	100000	U	100000	47000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
1,2-Dichloropropane	100000	U *	100000	21000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
cis-1,3-Dichloropropene	100000	U	100000	21000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
trans-1,3-Dichloropropene	100000	U	100000	52000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Ethylbenzene	**80000**	**J**	100000	14000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
2-Hexanone	5200000	U *	5200000	52000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Methylene Chloride	520000	U	520000	200000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
4-Methyl-2-pentanone (MIBK)	5200000	U *	5200000	120000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Styrene	100000	U	100000	15000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
1,1,2,2-Tetrachloroethane	100000	U	100000	23000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Tetrachloroethene	100000	U	100000	31000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Toluene	**94000**	**J**	210000	44000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Trichloroethene	**4600000**		100000	25000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Vinyl chloride	83000	U	83000	47000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Xylenes, Total	**720000**	**B**	310000	16000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
1,1,1-Trichloroethane	100000	U	100000	55000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
1,1,2-Trichloroethane	100000	U	100000	31000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Cyclohexane	2500000	U	2500000	100000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
1,2-Dibromo-3-Chloropropane	520000	U	520000	130000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
1,2-Dibromoethane	520000	U	520000	26000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Dichlorodifluoromethane	210000	U	210000	42000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
cis-1,2-Dichloroethene	**200000**		100000	18000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
trans-1,2-Dichloroethene	100000	U *	100000	24000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Isopropylbenzene	520000	U	520000	17000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Methyl acetate	2500000	U	2500000	65000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Methyl tert-butyl ether	520000	U	520000	18000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	520000	U	520000	100000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
1,2,4-Trichlorobenzene	520000	U	520000	19000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
1,2-Dichlorobenzene	210000	U	210000	22000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
1,3-Dichlorobenzene	210000	U	210000	12000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
1,4-Dichlorobenzene	210000	U	210000	21000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Trichlorofluoromethane	210000	U	210000	42000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Dibromochloromethane	100000	U	100000	31000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000
Methylcyclohexane	2500000	U	2500000	31000	ug/Kg	☼	01/03/14 14:53	01/07/14 22:26	2000

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	0	X	39 - 128	01/03/14 14:53	01/07/14 22:26	2000
4-Bromofluorobenzene (Surr)	0	X	26 - 141	01/03/14 14:53	01/07/14 22:26	2000
Toluene-d8 (Surr)	0	X	33 - 134	01/03/14 14:53	01/07/14 22:26	2000
Dibromofluoromethane (Surr)	0	X	30 - 122	01/03/14 14:53	01/07/14 22:26	2000

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

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

Client Sample ID: SO-17303-123013-CT-108
Date Collected: 12/30/13 11:10
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-12
Matrix: Solid
Percent Solids: 90.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	750	U	750	210	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Benzene	50	U	50	15	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Bromodichloromethane	100	U	100	12	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Bromoform	100	U	100	24	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Bromomethane	250	U *	250	36	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
2-Butanone (MEK)	750	U	750	54	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Carbon disulfide	250	U *	250	15	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Carbon tetrachloride	50	U	50	8.0	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Chlorobenzene	50	U	50	8.0	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Chloroethane	250	U *	250	76	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Chloroform	50	U	50	11	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Chloromethane	250	U	250	17	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
1,1-Dichloroethane	50	U *	50	21	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
1,2-Dichloroethane	50	U	50	12	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
1,1-Dichloroethene	50	U	50	22	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
1,2-Dichloropropane	50	U *	50	10	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
cis-1,3-Dichloropropene	50	U	50	9.9	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
trans-1,3-Dichloropropene	50	U	50	25	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Ethylbenzene	**7.9**	**J**	50	6.7	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
2-Hexanone	2500	U *	2500	25	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Methylene Chloride	250	U	250	96	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
4-Methyl-2-pentanone (MIBK)	2500	U *	2500	60	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Styrene	50	U	50	7.0	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
1,1,2,2-Tetrachloroethane	50	U	50	11	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Tetrachloroethene	50	U	50	15	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Toluene	100	U	100	21	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Trichloroethene	**1700**		50	12	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Vinyl chloride	40	U	40	22	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Xylenes, Total	**63**	**J B**	150	7.7	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
1,1,1-Trichloroethane	50	U	50	26	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
1,1,2-Trichloroethane	50	U	50	15	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Cyclohexane	1200	U	1200	50	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
1,2-Dibromo-3-Chloropropane	250	U	250	62	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
1,2-Dibromoethane	250	U	250	12	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Dichlorodifluoromethane	100	U	100	20	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
cis-1,2-Dichloroethene	**24**	**J**	50	8.6	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
trans-1,2-Dichloroethene	50	U *	50	11	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Isopropylbenzene	250	U	250	8.1	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Methyl acetate	**43**	**J**	1200	31	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Methyl tert-butyl ether	250	U	250	8.9	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	250	U	250	49	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
1,2,4-Trichlorobenzene	250	U	250	9.1	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
1,2-Dichlorobenzene	100	U	100	11	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
1,3-Dichlorobenzene	100	U	100	6.0	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
1,4-Dichlorobenzene	100	U	100	10	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Trichlorofluoromethane	100	U	100	20	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Dibromochloromethane	50	U	50	15	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1
Methylcyclohexane	1200	U	1200	15	ug/Kg	☼	01/03/14 14:53	01/07/14 22:49	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		39 - 128	01/03/14 14:53	01/07/14 22:49	1
4-Bromofluorobenzene (Surr)	91		26 - 141	01/03/14 14:53	01/07/14 22:49	1
Toluene-d8 (Surr)	95		33 - 134	01/03/14 14:53	01/07/14 22:49	1
Dibromofluoromethane (Surr)	87		30 - 122	01/03/14 14:53	01/07/14 22:49	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

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

Client Sample ID: SO-17303-123013-CT-109
Date Collected: 12/30/13 11:15
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-13
Matrix: Solid
Percent Solids: 90.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	650	U	650	190	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Benzene	44	U	44	13	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Bromodichloromethane	87	U	87	11	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Bromoform	87	U	87	21	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Bromomethane	220	U *	220	32	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
2-Butanone (MEK)	650	U	650	47	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Carbon disulfide	220	U *	220	13	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Carbon tetrachloride	44	U	44	7.0	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Chlorobenzene	44	U	44	7.0	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Chloroethane	220	U *	220	67	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Chloroform	44	U	44	9.6	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Chloromethane	220	U	220	15	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
1,1-Dichloroethane	44	U *	44	19	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
1,2-Dichloroethane	44	U	44	11	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
1,1-Dichloroethene	44	U	44	20	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
1,2-Dichloropropane	44	U *	44	8.9	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
cis-1,3-Dichloropropene	44	U	44	8.6	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
trans-1,3-Dichloropropene	44	U	44	22	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Ethylbenzene	44	U	44	5.9	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
2-Hexanone	2200	U *	2200	22	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Methylene Chloride	220	U	220	84	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
4-Methyl-2-pentanone (MIBK)	2200	U *	2200	52	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Styrene	44	U	44	6.1	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
1,1,2,2-Tetrachloroethane	44	U	44	9.7	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Tetrachloroethene	44	U	44	13	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Toluene	87	U	87	19	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Trichloroethene	**660**		44	11	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Vinyl chloride	35	U	35	20	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Xylenes, Total	**8.1**	**J B**	130	6.8	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
1,1,1-Trichloroethane	44	U	44	23	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
1,1,2-Trichloroethane	44	U	44	13	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Cyclohexane	**51**	**J**	1000	44	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
1,2-Dibromo-3-Chloropropane	220	U	220	55	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
1,2-Dibromoethane	220	U	220	11	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Dichlorodifluoromethane	87	U	87	17	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
cis-1,2-Dichloroethene	**60**		44	7.5	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
trans-1,2-Dichloroethene	44	U *	44	10	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Isopropylbenzene	220	U	220	7.1	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Methyl acetate	**36**	**J**	1000	27	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Methyl tert-butyl ether	220	U	220	7.7	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	220	U	220	43	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
1,2,4-Trichlorobenzene	220	U	220	8.0	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
1,2-Dichlorobenzene	87	U	87	9.4	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
1,3-Dichlorobenzene	87	U	87	5.2	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
1,4-Dichlorobenzene	87	U	87	8.7	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Trichlorofluoromethane	87	U	87	17	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Dibromochloromethane	44	U	44	13	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1
Methylcyclohexane	1000	U	1000	13	ug/Kg	☼	01/03/14 14:53	01/07/14 23:12	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		39 - 128	01/03/14 14:53	01/07/14 23:12	1
4-Bromofluorobenzene (Surr)	93		26 - 141	01/03/14 14:53	01/07/14 23:12	1
Toluene-d8 (Surr)	97		33 - 134	01/03/14 14:53	01/07/14 23:12	1
Dibromofluoromethane (Surr)	85		30 - 122	01/03/14 14:53	01/07/14 23:12	1

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

Client Sample ID: SO-17303-123013-CT-100
Date Collected: 12/30/13 10:05
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-4
Matrix: Solid
Percent Solids: 92.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	570	U	570	7.5	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
2,2'-oxybis[1-chloropropane]	570	U	570	20	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
2,4,5-Trichlorophenol	570	U	570	54	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
2,4,6-Trichlorophenol	570	U	570	19	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
2,4-Dichlorophenol	570	U	570	43	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
2,4-Dimethylphenol	570	U	570	43	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
2,4-Dinitrophenol	320	U	320	45	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
2,4-Dinitrotoluene	570	U	570	36	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
2,6-Dinitrotoluene	570	U	570	45	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
2-Chloronaphthalene	570	U	570	0.97	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
2-Chlorophenol	570	U	570	18	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
2-Methylnaphthalene	**7.9**	**J**	570	1.1	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
2-Methylphenol	570	U	570	24	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
2-Nitroaniline	430	U	430	20	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
2-Nitrophenol	570	U	570	18	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
3,3'-Dichlorobenzidine	570	U	570	39	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
3-Nitroaniline	430	U	430	34	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
4,6-Dinitro-2-methylphenol	430	U	430	20	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
4-Bromophenyl phenyl ether	320	U	320	28	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
4-Chloro-3-methylphenol	570	U	570	45	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
4-Chloroaniline	570	U	570	36	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
4-Chlorophenyl phenyl ether	430	U	430	28	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
4-Nitroaniline	430	U	430	56	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
4-Nitrophenol	710	U	710	36	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Acenaphthene	570	U	570	1.6	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Acenaphthylene	570	U	570	0.75	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Acetophenone	570	U	570	20	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Anthracene	**13**	**J**	570	1.7	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Atrazine	86	U	86	20	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Benzaldehyde	**120**	**J**	570	26	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Benzo[a]anthracene	**67**	**J**	570	1.4	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Benzo[a]pyrene	**75**	**J**	570	1.4	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Benzo[b]fluoranthene	**110**	**J**	570	1.3	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Benzo[g,h,i]perylene	**55**	**J**	570	0.75	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Benzo[k]fluoranthene	**33**	**J**	570	1.5	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Bis(2-chloroethoxy)methane	570	U	570	47	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Bis(2-chloroethyl)ether	170	U	170	4.3	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Bis(2-ethylhexyl) phthalate	**51**	**J B**	570	41	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Butyl benzyl phthalate	**42**	**J**	570	21	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Caprolactam	570	U	570	79	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Carbazole	570	U	570	58	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Chrysene	**74**	**J**	570	2.4	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Dibenz(a,h)anthracene	570	U	570	1.4	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Dibenzofuran	570	U	570	1.4	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Diethyl phthalate	570	U	570	34	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Dimethyl phthalate	570	U	570	36	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Di-n-butyl phthalate	**2000**	**B**	570	32	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Di-n-octyl phthalate	570	U	570	17	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Fluoranthene	**140**	**J**	570	1.2	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2

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

Client Sample ID: SO-17303-123013-CT-100
Date Collected: 12/30/13 10:05
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-4
Matrix: Solid
Percent Solids: 92.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	570	U	570	1.1	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Hexachlorobenzene	570	U	570	4.5	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Hexachlorobutadiene	86	U	86	12	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Hexachlorocyclopentadiene	570	U	570	17	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Hexachloroethane	570	U	570	19	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Indeno[1,2,3-cd]pyrene	**51**	**J**	570	0.75	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Isophorone	570	U	570	28	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Naphthalene	**10**	**J**	570	1.8	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Nitrobenzene	570	U	570	4.7	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
N-Nitrosodi-n-propylamine	570	U	570	14	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
N-Nitrosodiphenylamine	570	U	570	45	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Pentachlorophenol	320	U	320	20	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Phenol	570	U	570	16	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Phenanthrene	**68**	**J**	570	1.6	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
Pyrene	**110**	**J**	570	0.94	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2
3 & 4 Methylphenol	570	U	570	43	ug/Kg	☼	01/02/14 08:34	01/06/14 10:35	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*61*		*24 - 110*	*01/02/14 08:34*	*01/06/14 10:35*	*2*
2-Fluorophenol (Surr)	*67*		*24 - 110*	*01/02/14 08:34*	*01/06/14 10:35*	*2*
2,4,6-Tribromophenol (Surr)	*60*		*10 - 110*	*01/02/14 08:34*	*01/06/14 10:35*	*2*
Nitrobenzene-d5 (Surr)	*58*		*20 - 110*	*01/02/14 08:34*	*01/06/14 10:35*	*2*
Phenol-d5 (Surr)	*69*		*26 - 110*	*01/02/14 08:34*	*01/06/14 10:35*	*2*
Terphenyl-d14 (Surr)	*78*		*36 - 110*	*01/02/14 08:34*	*01/06/14 10:35*	*2*

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

Client Sample ID: SO-17303-123013-CT-101
Date Collected: 12/30/13 10:10
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-5
Matrix: Solid
Percent Solids: 95.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1800	U	1800	24	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
2,2'-oxybis[1-chloropropane]	1800	U	1800	66	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
2,4,5-Trichlorophenol	1800	U	1800	170	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
2,4,6-Trichlorophenol	1800	U	1800	62	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
2,4-Dichlorophenol	1800	U	1800	140	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
2,4-Dimethylphenol	1800	U	1800	140	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
2,4-Dinitrophenol	1000	U	1000	150	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
2,4-Dinitrotoluene	1800	U	1800	120	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
2,6-Dinitrotoluene	1800	U	1800	150	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
2-Chloronaphthalene	1800	U	1800	3.1	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
2-Chlorophenol	1800	U	1800	57	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
2-Methylnaphthalene	1800	U	1800	3.5	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
2-Methylphenol	1800	U	1800	77	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
2-Nitroaniline	1400	U	1400	64	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
2-Nitrophenol	1800	U	1800	58	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
3,3'-Dichlorobenzidine	1800	U	1800	130	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
3-Nitroaniline	1400	U	1400	110	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
4,6-Dinitro-2-methylphenol	1400	U	1400	64	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
4-Bromophenyl phenyl ether	1000	U	1000	91	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
4-Chloro-3-methylphenol	1800	U	1800	150	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
4-Chloroaniline	1800	U	1800	120	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
4-Chlorophenyl phenyl ether	1400	U	1400	91	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
4-Nitroaniline	1400	U	1400	180	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
4-Nitrophenol	2300	U	2300	120	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Acenaphthene	1800	U	1800	5.3	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Acenaphthylene	1800	U	1800	2.4	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Acetophenone	1800	U	1800	64	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Anthracene	1800	U	1800	5.5	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Atrazine	280	U	280	64	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Benzaldehyde	1800	U	1800	84	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Benzo[a]anthracene	**52**	**J**	1800	4.4	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Benzo[a]pyrene	**110**	**J**	1800	4.5	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Benzo[b]fluoranthene	**110**	**J**	1800	4.1	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Benzo[g,h,i]perylene	**110**	**J**	1800	2.4	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Benzo[k]fluoranthene	**45**	**J**	1800	4.8	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Bis(2-chloroethoxy)methane	1800	U	1800	150	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Bis(2-chloroethyl)ether	560	U	560	14	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Bis(2-ethylhexyl) phthalate	1800	U	1800	130	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Butyl benzyl phthalate	1800	U	1800	70	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Caprolactam	1800	U	1800	260	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Carbazole	1800	U	1800	190	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Chrysene	**67**	**J**	1800	7.7	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Dibenz(a,h)anthracene	1800	U	1800	4.6	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Dibenzofuran	1800	U	1800	4.6	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Diethyl phthalate	1800	U	1800	110	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Dimethyl phthalate	1800	U	1800	120	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Di-n-butyl phthalate	**210**	**J B**	1800	100	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Di-n-octyl phthalate	1800	U	1800	55	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Fluoranthene	**96**	**J**	1800	3.8	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666

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

Client Sample ID: SO-17303-123013-CT-101
Date Collected: 12/30/13 10:10
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-5
Matrix: Solid
Percent Solids: 95.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	1800	U	1800	3.7	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Hexachlorobenzene	1800	U	1800	15	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Hexachlorobutadiene	280	U	280	39	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Hexachlorocyclopentadiene	1800	U	1800	57	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Hexachloroethane	1800	U	1800	63	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Indeno[1,2,3-cd]pyrene	**98**	**J**	1800	2.4	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Isophorone	1800	U	1800	91	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Naphthalene	1800	U	1800	5.7	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Nitrobenzene	1800	U	1800	15	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
N-Nitrosodi-n-propylamine	1800	U	1800	44	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
N-Nitrosodiphenylamine	1800	U	1800	150	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Pentachlorophenol	1000	U	1000	64	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Phenol	1800	U	1800	51	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Phenanthrene	**37**	**J**	1800	5.1	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
Pyrene	**94**	**J**	1800	3.1	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666
3 & 4 Methylphenol	1800	U	1800	140	ug/Kg	☼	01/02/14 08:34	01/08/14 10:12	6.6666

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*58*		*24 - 110*	*01/02/14 08:34*	*01/08/14 10:12*	*6.6666*
2-Fluorophenol (Surr)	*67*		*24 - 110*	*01/02/14 08:34*	*01/08/14 10:12*	*6.6666*
2,4,6-Tribromophenol (Surr)	*54*		*10 - 110*	*01/02/14 08:34*	*01/08/14 10:12*	*6.6666*
Nitrobenzene-d5 (Surr)	*56*		*20 - 110*	*01/02/14 08:34*	*01/08/14 10:12*	*6.6666*
Phenol-d5 (Surr)	*64*		*26 - 110*	*01/02/14 08:34*	*01/08/14 10:12*	*6.6666*
Terphenyl-d14 (Surr)	*68*		*36 - 110*	*01/02/14 08:34*	*01/08/14 10:12*	*6.6666*

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

Client Sample ID: SO-17303-123013-CT-102
Date Collected: 12/30/13 10:30
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-6
Matrix: Solid
Percent Solids: 94.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	2800	U	2800	37	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
2,2'-oxybis[1-chloropropane]	2800	U	2800	100	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
2,4,5-Trichlorophenol	2800	U	2800	260	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
2,4,6-Trichlorophenol	2800	U	2800	94	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
2,4-Dichlorophenol	2800	U	2800	210	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
2,4-Dimethylphenol	2800	U	2800	210	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
2,4-Dinitrophenol	1600	U	1600	220	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
2,4-Dinitrotoluene	2800	U	2800	180	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
2,6-Dinitrotoluene	2800	U	2800	220	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
2-Chloronaphthalene	2800	U	2800	4.8	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
2-Chlorophenol	2800	U	2800	87	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
2-Methylnaphthalene	2800	U	2800	5.3	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
2-Methylphenol	2800	U	2800	120	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
2-Nitroaniline	2100	U	2100	96	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
2-Nitrophenol	2800	U	2800	88	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
3,3'-Dichlorobenzidine	2800	U	2800	190	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
3-Nitroaniline	2100	U	2100	170	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
4,6-Dinitro-2-methylphenol	2100	U	2100	97	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
4-Bromophenyl phenyl ether	1600	U	1600	140	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
4-Chloro-3-methylphenol	2800	U	2800	220	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
4-Chloroaniline	2800	U	2800	180	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
4-Chlorophenyl phenyl ether	2100	U	2100	140	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
4-Nitroaniline	2100	U	2100	270	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
4-Nitrophenol	3500	U	3500	180	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Acenaphthene	2800	U	2800	8.0	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Acenaphthylene	2800	U	2800	3.7	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Acetophenone	2800	U	2800	97	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Anthracene	2800	U	2800	8.2	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Atrazine	420	U	420	96	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Benzaldehyde	2800	U	2800	130	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Benzo[a]anthracene	2800	U	2800	6.7	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Benzo[a]pyrene	**140**	**J**	2800	6.8	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Benzo[b]fluoranthene	**160**	**J**	2800	6.2	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Benzo[g,h,i]perylene	**140**	**J**	2800	3.7	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Benzo[k]fluoranthene	2800	U	2800	7.2	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Bis(2-chloroethoxy)methane	2800	U	2800	230	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Bis(2-chloroethyl)ether	850	U	850	21	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Bis(2-ethylhexyl) phthalate	2800	U	2800	200	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Butyl benzyl phthalate	2800	U	2800	110	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Caprolactam	2800	U	2800	390	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Carbazole	2800	U	2800	290	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Chrysene	2800	U	2800	12	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Dibenz(a,h)anthracene	2800	U	2800	7.0	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Dibenzofuran	2800	U	2800	7.0	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Diethyl phthalate	2800	U	2800	170	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Dimethyl phthalate	2800	U	2800	180	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Di-n-butyl phthalate	**990**	**J B**	2800	160	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Di-n-octyl phthalate	2800	U	2800	83	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Fluoranthene	**210**	**J**	2800	5.8	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10

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

Client Sample ID: SO-17303-123013-CT-102
Date Collected: 12/30/13 10:30
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-6
Matrix: Solid
Percent Solids: 94.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	2800	U	2800	5.6	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Hexachlorobenzene	2800	U	2800	22	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Hexachlorobutadiene	420	U	420	59	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Hexachlorocyclopentadiene	2800	U	2800	86	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Hexachloroethane	2800	U	2800	95	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Indeno[1,2,3-cd]pyrene	2800	U	2800	3.7	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Isophorone	2800	U	2800	140	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Naphthalene	**45**	**J**	2800	8.7	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Nitrobenzene	2800	U	2800	23	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
N-Nitrosodi-n-propylamine	2800	U	2800	67	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
N-Nitrosodiphenylamine	2800	U	2800	220	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Pentachlorophenol	1600	U	1600	96	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Phenol	2800	U	2800	77	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Phenanthrene	**75**	**J**	2800	7.7	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
Pyrene	**180**	**J**	2800	4.6	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10
3 & 4 Methylphenol	2800	U	2800	210	ug/Kg	☼	01/02/14 08:34	01/06/14 13:33	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*67*		*24 - 110*	*01/02/14 08:34*	*01/06/14 13:33*	*10*
2-Fluorophenol (Surr)	*81*		*24 - 110*	*01/02/14 08:34*	*01/06/14 13:33*	*10*
2,4,6-Tribromophenol (Surr)	*82*		*10 - 110*	*01/02/14 08:34*	*01/06/14 13:33*	*10*
Nitrobenzene-d5 (Surr)	*68*		*20 - 110*	*01/02/14 08:34*	*01/06/14 13:33*	*10*
Phenol-d5 (Surr)	*77*		*26 - 110*	*01/02/14 08:34*	*01/06/14 13:33*	*10*
Terphenyl-d14 (Surr)	*80*		*36 - 110*	*01/02/14 08:34*	*01/06/14 13:33*	*10*

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

Client Sample ID: SO-17303-123013-CT-103
Date Collected: 12/30/13 10:40
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-7
Matrix: Solid
Percent Solids: 94.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1100	U	1100	15	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
2,2'-oxybis[1-chloropropane]	1100	U	1100	40	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
2,4,5-Trichlorophenol	1100	U	1100	110	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
2,4,6-Trichlorophenol	1100	U	1100	38	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
2,4-Dichlorophenol	1100	U	1100	84	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
2,4-Dimethylphenol	1100	U	1100	84	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
2,4-Dinitrophenol	630	U	630	89	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
2,4-Dinitrotoluene	1100	U	1100	72	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
2,6-Dinitrotoluene	1100	U	1100	89	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
2-Chloronaphthalene	1100	U	1100	1.9	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
2-Chlorophenol	1100	U	1100	35	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
2-Methylnaphthalene	**44**	**J**	1100	2.1	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
2-Methylphenol	1100	U	1100	46	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
2-Nitroaniline	840	U	840	38	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
2-Nitrophenol	1100	U	1100	35	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
3,3'-Dichlorobenzidine	1100	U	1100	76	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
3-Nitroaniline	840	U	840	68	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
4,6-Dinitro-2-methylphenol	840	U	840	39	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
4-Bromophenyl phenyl ether	630	U	630	55	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
4-Chloro-3-methylphenol	1100	U	1100	89	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
4-Chloroaniline	1100	U	1100	72	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
4-Chlorophenyl phenyl ether	840	U	840	55	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
4-Nitroaniline	840	U	840	110	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
4-Nitrophenol	1400	U	1400	72	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Acenaphthene	1100	U	1100	3.2	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Acenaphthylene	1100	U	1100	1.5	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Acetophenone	1100	U	1100	39	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Anthracene	**21**	**J**	1100	3.3	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Atrazine	170	U	170	38	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Benzaldehyde	**63**	**J**	1100	51	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Benzo[a]anthracene	**110**	**J**	1100	2.7	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Benzo[a]pyrene	**140**	**J**	1100	2.7	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Benzo[b]fluoranthene	**190**	**J**	1100	2.5	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Benzo[g,h,i]perylene	**99**	**J**	1100	1.5	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Benzo[k]fluoranthene	**72**	**J**	1100	2.9	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Bis(2-chloroethoxy)methane	1100	U	1100	93	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Bis(2-chloroethyl)ether	340	U	340	8.4	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Bis(2-ethylhexyl) phthalate	1100	U	1100	80	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Butyl benzyl phthalate	1100	U	1100	42	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Caprolactam	1100	U	1100	160	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Carbazole	1100	U	1100	110	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Chrysene	**140**	**J**	1100	4.6	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Dibenz(a,h)anthracene	1100	U	1100	2.8	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Dibenzofuran	1100	U	1100	2.8	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Diethyl phthalate	1100	U	1100	68	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Dimethyl phthalate	1100	U	1100	72	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Di-n-butyl phthalate	**1100**	**B**	1100	63	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Di-n-octyl phthalate	1100	U	1100	33	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Fluoranthene	**250**	**J**	1100	2.3	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4

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

Client Sample ID: SO-17303-123013-CT-103
Date Collected: 12/30/13 10:40
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-7
Matrix: Solid
Percent Solids: 94.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	1100	U	1100	2.2	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Hexachlorobenzene	1100	U	1100	8.9	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Hexachlorobutadiene	170	U	170	24	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Hexachlorocyclopentadiene	1100	U	1100	34	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Hexachloroethane	1100	U	1100	38	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Indeno[1,2,3-cd]pyrene	**100**	**J**	1100	1.5	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Isophorone	1100	U	1100	55	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Naphthalene	**25**	**J**	1100	3.5	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Nitrobenzene	1100	U	1100	9.3	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
N-Nitrosodi-n-propylamine	1100	U	1100	27	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
N-Nitrosodiphenylamine	1100	U	1100	89	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Pentachlorophenol	630	U	630	38	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Phenol	1100	U	1100	31	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Phenanthrene	**150**	**J**	1100	3.1	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
Pyrene	**200**	**J**	1100	1.9	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4
3 & 4 Methylphenol	1100	U	1100	84	ug/Kg	☼	01/02/14 08:34	01/06/14 10:57	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*73*		*24 - 110*	*01/02/14 08:34*	*01/06/14 10:57*	*4*
2-Fluorophenol (Surr)	*78*		*24 - 110*	*01/02/14 08:34*	*01/06/14 10:57*	*4*
2,4,6-Tribromophenol (Surr)	*79*		*10 - 110*	*01/02/14 08:34*	*01/06/14 10:57*	*4*
Nitrobenzene-d5 (Surr)	*69*		*20 - 110*	*01/02/14 08:34*	*01/06/14 10:57*	*4*
Phenol-d5 (Surr)	*79*		*26 - 110*	*01/02/14 08:34*	*01/06/14 10:57*	*4*
Terphenyl-d14 (Surr)	*84*		*36 - 110*	*01/02/14 08:34*	*01/06/14 10:57*	*4*

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

Client Sample ID: SO-17303-123013-CT-104
Date Collected: 12/30/13 10:50
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-8
Matrix: Solid
Percent Solids: 94.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1800	U	1800	24	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
2,2'-oxybis[1-chloropropane]	1800	U	1800	66	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
2,4,5-Trichlorophenol	1800	U	1800	170	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
2,4,6-Trichlorophenol	1800	U	1800	62	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
2,4-Dichlorophenol	1800	U	1800	140	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
2,4-Dimethylphenol	1800	U	1800	140	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
2,4-Dinitrophenol	1000	U	1000	150	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
2,4-Dinitrotoluene	1800	U	1800	120	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
2,6-Dinitrotoluene	1800	U	1800	150	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
2-Chloronaphthalene	1800	U	1800	3.1	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
2-Chlorophenol	1800	U	1800	57	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
2-Methylnaphthalene	**51**	**J**	1800	3.5	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
2-Methylphenol	1800	U	1800	76	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
2-Nitroaniline	1400	U	1400	63	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
2-Nitrophenol	1800	U	1800	57	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
3,3'-Dichlorobenzidine	1800	U	1800	120	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
3-Nitroaniline	1400	U	1400	110	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
4,6-Dinitro-2-methylphenol	1400	U	1400	64	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
4-Bromophenyl phenyl ether	1000	U	1000	90	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
4-Chloro-3-methylphenol	1800	U	1800	150	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
4-Chloroaniline	1800	U	1800	120	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
4-Chlorophenyl phenyl ether	1400	U	1400	90	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
4-Nitroaniline	1400	U	1400	180	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
4-Nitrophenol	2300	U	2300	120	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Acenaphthene	**47**	**J**	1800	5.3	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Acenaphthylene	**94**	**J**	1800	2.4	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Acetophenone	1800	U	1800	64	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Anthracene	**130**	**J**	1800	5.4	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Atrazine	280	U	280	63	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Benzaldehyde	1800	U	1800	83	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Benzo[a]anthracene	**1000**	**J**	1800	4.4	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Benzo[a]pyrene	**1700**	**J**	1800	4.4	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Benzo[b]fluoranthene	**2500**		1800	4.1	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Benzo[g,h,i]perylene	**990**	**J**	1800	2.4	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Benzo[k]fluoranthene	**900**	**J**	1800	4.7	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Bis(2-chloroethoxy)methane	1800	U	1800	150	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Bis(2-chloroethyl)ether	550	U	550	14	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Bis(2-ethylhexyl) phthalate	1800	U	1800	130	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Butyl benzyl phthalate	1800	U	1800	69	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Caprolactam	1800	U	1800	260	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Carbazole	1800	U	1800	190	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Chrysene	**1400**	**J**	1800	7.6	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Dibenz(a,h)anthracene	**280**	**J**	1800	4.6	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Dibenzofuran	1800	U	1800	4.6	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Diethyl phthalate	1800	U	1800	110	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Dimethyl phthalate	1800	U	1800	120	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Di-n-butyl phthalate	**5900**	**B**	1800	100	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Di-n-octyl phthalate	1800	U	1800	55	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Fluoranthene	**1600**	**J**	1800	3.8	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666

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

Client Sample ID: SO-17303-123013-CT-104
Date Collected: 12/30/13 10:50
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-8
Matrix: Solid
Percent Solids: 94.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	**46**	**J**	1800	3.7	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Hexachlorobenzene	1800	U	1800	15	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Hexachlorobutadiene	280	U	280	39	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Hexachlorocyclopentadiene	1800	U	1800	56	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Hexachloroethane	1800	U	1800	62	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Indeno[1,2,3-cd]pyrene	**910**	**J**	1800	2.4	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Isophorone	1800	U	1800	90	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Naphthalene	**100**	**J**	1800	5.7	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Nitrobenzene	1800	U	1800	15	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
N-Nitrosodi-n-propylamine	1800	U	1800	44	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
N-Nitrosodiphenylamine	1800	U	1800	150	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Pentachlorophenol	1000	U	1000	63	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Phenol	1800	U	1800	51	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Phenanthrene	**550**	**J**	1800	5.1	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
Pyrene	**1600**	**J**	1800	3.0	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666
3 & 4 Methylphenol	1800	U	1800	140	ug/Kg	☼	01/02/14 08:34	01/06/14 12:24	6.66666

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*71*		*24 - 110*	*01/02/14 08:34*	*01/06/14 12:24*	*6.66666*
2-Fluorophenol (Surr)	*83*		*24 - 110*	*01/02/14 08:34*	*01/06/14 12:24*	*6.66666*
2,4,6-Tribromophenol (Surr)	*84*		*10 - 110*	*01/02/14 08:34*	*01/06/14 12:24*	*6.66666*
Nitrobenzene-d5 (Surr)	*67*		*20 - 110*	*01/02/14 08:34*	*01/06/14 12:24*	*6.66666*
Phenol-d5 (Surr)	*82*		*26 - 110*	*01/02/14 08:34*	*01/06/14 12:24*	*6.66666*
Terphenyl-d14 (Surr)	*88*		*36 - 110*	*01/02/14 08:34*	*01/06/14 12:24*	*6.66666*

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

Client Sample ID: SO-17303-123013-CT-105
Date Collected: 12/30/13 09:45
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-9
Matrix: Solid
Percent Solids: 91.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	14000	U	14000	190	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
2,2'-oxybis[1-chloropropane]	14000	U	14000	510	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
2,4,5-Trichlorophenol	14000	U	14000	1300	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
2,4,6-Trichlorophenol	14000	U	14000	480	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
2,4-Dichlorophenol	14000	U	14000	1100	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
2,4-Dimethylphenol	14000	U	14000	1100	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
2,4-Dinitrophenol	8100	U	8100	1100	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
2,4-Dinitrotoluene	14000	U	14000	910	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
2,6-Dinitrotoluene	14000	U	14000	1100	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
2-Chloronaphthalene	14000	U	14000	24	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
2-Chlorophenol	14000	U	14000	440	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
2-Methylnaphthalene	**5100**	**J**	14000	27	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
2-Methylphenol	14000	U	14000	590	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
2-Nitroaniline	11000	U	11000	490	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
2-Nitrophenol	14000	U	14000	450	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
3,3'-Dichlorobenzidine	14000	U	14000	970	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
3-Nitroaniline	11000	U	11000	860	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
4,6-Dinitro-2-methylphenol	11000	U	11000	490	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
4-Bromophenyl phenyl ether	8100	U	8100	700	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
4-Chloro-3-methylphenol	14000	U	14000	1100	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
4-Chloroaniline	14000	U	14000	910	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
4-Chlorophenyl phenyl ether	11000	U	11000	700	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
4-Nitroaniline	11000	U	11000	1400	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
4-Nitrophenol	18000	U	18000	910	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Acenaphthene	**850**	**J**	14000	41	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Acenaphthylene	14000	U	14000	19	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Acetophenone	14000	U	14000	490	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Anthracene	14000	U	14000	42	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Atrazine	2200	U	2200	490	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Benzaldehyde	14000	U	14000	650	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Benzo[a]anthracene	14000	U	14000	34	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Benzo[a]pyrene	14000	U	14000	34	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Benzo[b]fluoranthene	14000	U	14000	32	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Benzo[g,h,i]perylene	14000	U	14000	19	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Benzo[k]fluoranthene	14000	U	14000	37	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Bis(2-chloroethoxy)methane	14000	U	14000	1200	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Bis(2-chloroethyl)ether	4300	U	4300	110	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Bis(2-ethylhexyl) phthalate	14000	U	14000	1000	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Butyl benzyl phthalate	14000	U	14000	540	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Caprolactam	14000	U	14000	2000	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Carbazole	14000	U	14000	1500	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Chrysene	14000	U	14000	59	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Dibenz(a,h)anthracene	14000	U	14000	36	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Dibenzofuran	**830**	**J**	14000	36	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Diethyl phthalate	14000	U	14000	860	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Dimethyl phthalate	14000	U	14000	910	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Di-n-butyl phthalate	**62000**	**B**	14000	810	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Di-n-octyl phthalate	14000	U	14000	420	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Fluoranthene	**980**	**J**	14000	30	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

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

Client Sample ID: SO-17303-123013-CT-105
Date Collected: 12/30/13 09:45
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-9
Matrix: Solid
Percent Solids: 91.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	**700**	**J**	14000	29	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Hexachlorobenzene	14000	U	14000	110	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Hexachlorobutadiene	2200	U	2200	300	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Hexachlorocyclopentadiene	14000	U	14000	440	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Hexachloroethane	14000	U	14000	480	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Indeno[1,2,3-cd]pyrene	14000	U	14000	19	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Isophorone	14000	U	14000	700	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Naphthalene	**8800**	**J**	14000	44	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Nitrobenzene	14000	U	14000	120	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
N-Nitrosodi-n-propylamine	14000	U	14000	340	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
N-Nitrosodiphenylamine	14000	U	14000	1100	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Pentachlorophenol	8100	U	8100	490	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Phenol	**1900**	**J**	14000	390	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Phenanthrene	**2500**	**J**	14000	39	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
Pyrene	**1100**	**J**	14000	24	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50
3 & 4 Methylphenol	14000	U	14000	1100	ug/Kg	☼	01/02/14 08:34	01/06/14 13:55	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*0*	*X*	*24 - 110*	*01/02/14 08:34*	*01/06/14 13:55*	*50*
2-Fluorophenol (Surr)	*0*	*X*	*24 - 110*	*01/02/14 08:34*	*01/06/14 13:55*	*50*
2,4,6-Tribromophenol (Surr)	*0*	*X*	*10 - 110*	*01/02/14 08:34*	*01/06/14 13:55*	*50*
Nitrobenzene-d5 (Surr)	*0*	*X*	*20 - 110*	*01/02/14 08:34*	*01/06/14 13:55*	*50*
Phenol-d5 (Surr)	*0*	*X*	*26 - 110*	*01/02/14 08:34*	*01/06/14 13:55*	*50*
Terphenyl-d14 (Surr)	*0*	*X*	*36 - 110*	*01/02/14 08:34*	*01/06/14 13:55*	*50*

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

Client Sample ID: SO-17303-123013-CT-106
Date Collected: 12/30/13 09:55
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-10
Matrix: Solid
Percent Solids: 93.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	14000	U	14000	190	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
2,2'-oxybis[1-chloropropane]	14000	U	14000	510	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
2,4,5-Trichlorophenol	14000	U	14000	1300	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
2,4,6-Trichlorophenol	14000	U	14000	470	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
2,4-Dichlorophenol	14000	U	14000	1100	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
2,4-Dimethylphenol	14000	U	14000	1100	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
2,4-Dinitrophenol	8000	U	8000	1100	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
2,4-Dinitrotoluene	14000	U	14000	910	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
2,6-Dinitrotoluene	14000	U	14000	1100	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
2-Chloronaphthalene	14000	U	14000	24	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
2-Chlorophenol	14000	U	14000	440	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
2-Methylnaphthalene	**2900**	**J**	14000	27	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
2-Methylphenol	14000	U	14000	590	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
2-Nitroaniline	11000	U	11000	480	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
2-Nitrophenol	14000	U	14000	440	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
3,3'-Dichlorobenzidine	14000	U	14000	960	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
3-Nitroaniline	11000	U	11000	850	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
4,6-Dinitro-2-methylphenol	11000	U	11000	490	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
4-Bromophenyl phenyl ether	8000	U	8000	690	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
4-Chloro-3-methylphenol	14000	U	14000	1100	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
4-Chloroaniline	14000	U	14000	910	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
4-Chlorophenyl phenyl ether	11000	U	11000	690	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
4-Nitroaniline	11000	U	11000	1400	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
4-Nitrophenol	18000	U	18000	910	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Acenaphthene	**310**	**J**	14000	40	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Acenaphthylene	14000	U	14000	19	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Acetophenone	14000	U	14000	490	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Anthracene	14000	U	14000	42	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Atrazine	2100	U	2100	480	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Benzaldehyde	14000	U	14000	640	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Benzo[a]anthracene	14000	U	14000	34	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Benzo[a]pyrene	14000	U	14000	34	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Benzo[b]fluoranthene	14000	U	14000	31	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Benzo[g,h,i]perylene	14000	U	14000	19	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Benzo[k]fluoranthene	14000	U	14000	36	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Bis(2-chloroethoxy)methane	14000	U	14000	1200	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Bis(2-chloroethyl)ether	4300	U	4300	110	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Bis(2-ethylhexyl) phthalate	14000	U	14000	1000	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Butyl benzyl phthalate	14000	U	14000	530	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Caprolactam	14000	U	14000	2000	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Carbazole	14000	U	14000	1400	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Chrysene	**880**	**J**	14000	59	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Dibenz(a,h)anthracene	14000	U	14000	35	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Dibenzofuran	**420**	**J**	14000	35	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Diethyl phthalate	14000	U	14000	850	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Dimethyl phthalate	14000	U	14000	910	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Di-n-butyl phthalate	**39000**	**B**	14000	800	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Di-n-octyl phthalate	14000	U	14000	420	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Fluoranthene	**950**	**J**	14000	29	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

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

Client Sample ID: SO-17303-123013-CT-106
Date Collected: 12/30/13 09:55
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-10
Matrix: Solid
Percent Solids: 93.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	**310**	**J**	14000	28	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Hexachlorobenzene	14000	U	14000	110	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Hexachlorobutadiene	2100	U	2100	300	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Hexachlorocyclopentadiene	14000	U	14000	430	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Hexachloroethane	14000	U	14000	480	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Indeno[1,2,3-cd]pyrene	14000	U	14000	19	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Isophorone	14000	U	14000	690	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Naphthalene	**8700**	**J**	14000	44	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Nitrobenzene	14000	U	14000	120	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
N-Nitrosodi-n-propylamine	14000	U	14000	340	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
N-Nitrosodiphenylamine	14000	U	14000	1100	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Pentachlorophenol	8000	U	8000	480	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Phenol	**3200**	**J**	14000	390	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Phenanthrene	**1700**	**J**	14000	39	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
Pyrene	**960**	**J**	14000	23	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50
3 & 4 Methylphenol	14000	U	14000	1100	ug/Kg	☼	01/02/14 08:34	01/06/14 14:38	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*0*	*X*	*24 - 110*	*01/02/14 08:34*	*01/06/14 14:38*	*50*
2-Fluorophenol (Surr)	*0*	*X*	*24 - 110*	*01/02/14 08:34*	*01/06/14 14:38*	*50*
2,4,6-Tribromophenol (Surr)	*0*	*X*	*10 - 110*	*01/02/14 08:34*	*01/06/14 14:38*	*50*
Nitrobenzene-d5 (Surr)	*0*	*X*	*20 - 110*	*01/02/14 08:34*	*01/06/14 14:38*	*50*
Phenol-d5 (Surr)	*0*	*X*	*26 - 110*	*01/02/14 08:34*	*01/06/14 14:38*	*50*
Terphenyl-d14 (Surr)	*0*	*X*	*36 - 110*	*01/02/14 08:34*	*01/06/14 14:38*	*50*

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

Client Sample ID: SO-17303-123013-CT-107
Date Collected: 12/30/13 10:55
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-11
Matrix: Solid
Percent Solids: 87.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	30000	U	30000	400	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
2,2'-oxybis[1-chloropropane]	30000	U	30000	1100	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
2,4,5-Trichlorophenol	30000	U	30000	2800	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
2,4,6-Trichlorophenol	30000	U	30000	1000	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
2,4-Dichlorophenol	30000	U	30000	2300	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
2,4-Dimethylphenol	30000	U	30000	2300	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
2,4-Dinitrophenol	17000	U	17000	2400	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
2,4-Dinitrotoluene	30000	U	30000	1900	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
2,6-Dinitrotoluene	30000	U	30000	2400	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
2-Chloronaphthalene	30000	U	30000	51	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
2-Chlorophenol	30000	U	30000	930	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
2-Methylnaphthalene	**2300**	**J**	30000	57	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
2-Methylphenol	30000	U	30000	1200	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
2-Nitroaniline	23000	U	23000	1000	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
2-Nitrophenol	30000	U	30000	940	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
3,3'-Dichlorobenzidine	30000	U	30000	2000	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
3-Nitroaniline	23000	U	23000	1800	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
4,6-Dinitro-2-methylphenol	23000	U	23000	1000	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
4-Bromophenyl phenyl ether	17000	U	17000	1500	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
4-Chloro-3-methylphenol	30000	U	30000	2400	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
4-Chloroaniline	30000	U	30000	1900	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
4-Chlorophenyl phenyl ether	23000	U	23000	1500	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
4-Nitroaniline	23000	U	23000	3000	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
4-Nitrophenol	37000	U	37000	1900	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Acenaphthene	30000	U	30000	86	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Acenaphthylene	30000	U	30000	40	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Acetophenone	30000	U	30000	1000	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Anthracene	30000	U	30000	89	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Atrazine	4500	U	4500	1000	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Benzaldehyde	30000	U	30000	1400	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Benzo[a]anthracene	30000	U	30000	72	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Benzo[a]pyrene	30000	U	30000	73	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Benzo[b]fluoranthene	**810**	**J**	30000	67	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Benzo[g,h,i]perylene	30000	U	30000	40	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Benzo[k]fluoranthene	30000	U	30000	77	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Bis(2-chloroethoxy)methane	30000	U	30000	2500	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Bis(2-chloroethyl)ether	9100	U	9100	230	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Bis(2-ethylhexyl) phthalate	30000	U	30000	2200	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Butyl benzyl phthalate	30000	U	30000	1100	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Caprolactam	30000	U	30000	4200	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Carbazole	30000	U	30000	3100	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Chrysene	30000	U	30000	120	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Dibenz(a,h)anthracene	30000	U	30000	75	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Dibenzofuran	30000	U	30000	75	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Diethyl phthalate	30000	U	30000	1800	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Dimethyl phthalate	30000	U	30000	1900	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Di-n-butyl phthalate	**180000**	**B**	30000	1700	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Di-n-octyl phthalate	30000	U	30000	900	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Fluoranthene	**1300**	**J**	30000	62	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100

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

Client Sample ID: SO-17303-123013-CT-107
Date Collected: 12/30/13 10:55
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-11
Matrix: Solid
Percent Solids: 87.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	30000	U	30000	60	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Hexachlorobenzene	30000	U	30000	240	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Hexachlorobutadiene	4500	U	4500	640	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Hexachlorocyclopentadiene	30000	U	30000	920	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Hexachloroethane	30000	U	30000	1000	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Indeno[1,2,3-cd]pyrene	30000	U	30000	40	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Isophorone	30000	U	30000	1500	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Naphthalene	**9000**	**J**	30000	93	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Nitrobenzene	30000	U	30000	250	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
N-Nitrosodi-n-propylamine	30000	U	30000	720	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
N-Nitrosodiphenylamine	30000	U	30000	2400	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Pentachlorophenol	17000	U	17000	1000	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Phenol	**11000**	**J**	30000	830	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Phenanthrene	**2200**	**J**	30000	83	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
Pyrene	**1100**	**J**	30000	50	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100
3 & 4 Methylphenol	30000	U	30000	2300	ug/Kg	☼	01/02/14 08:34	01/06/14 15:00	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*0*	*X*	*24 - 110*	*01/02/14 08:34*	*01/06/14 15:00*	*100*
2-Fluorophenol (Surr)	*0*	*X*	*24 - 110*	*01/02/14 08:34*	*01/06/14 15:00*	*100*
2,4,6-Tribromophenol (Surr)	*0*	*X*	*10 - 110*	*01/02/14 08:34*	*01/06/14 15:00*	*100*
Nitrobenzene-d5 (Surr)	*0*	*X*	*20 - 110*	*01/02/14 08:34*	*01/06/14 15:00*	*100*
Phenol-d5 (Surr)	*0*	*X*	*26 - 110*	*01/02/14 08:34*	*01/06/14 15:00*	*100*
Terphenyl-d14 (Surr)	*0*	*X*	*36 - 110*	*01/02/14 08:34*	*01/06/14 15:00*	*100*

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

Client Sample ID: SO-17303-123013-CT-108
Date Collected: 12/30/13 11:10
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-12
Matrix: Solid
Percent Solids: 90.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**48**	**J**	2900	39	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
2,2'-oxybis[1-chloropropane]	2900	U	2900	110	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
2,4,5-Trichlorophenol	2900	U	2900	280	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
2,4,6-Trichlorophenol	2900	U	2900	98	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
2,4-Dichlorophenol	2900	U	2900	220	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
2,4-Dimethylphenol	2900	U	2900	220	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
2,4-Dinitrophenol	1700	U	1700	230	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
2,4-Dinitrotoluene	2900	U	2900	190	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
2,6-Dinitrotoluene	2900	U	2900	230	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
2-Chloronaphthalene	2900	U	2900	5.0	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
2-Chlorophenol	2900	U	2900	91	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
2-Methylnaphthalene	**140**	**J**	2900	5.5	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
2-Methylphenol	2900	U	2900	120	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
2-Nitroaniline	2200	U	2200	100	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
2-Nitrophenol	2900	U	2900	92	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
3,3'-Dichlorobenzidine	2900	U	2900	200	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
3-Nitroaniline	2200	U	2200	180	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
4,6-Dinitro-2-methylphenol	2200	U	2200	100	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
4-Bromophenyl phenyl ether	1700	U	1700	140	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
4-Chloro-3-methylphenol	2900	U	2900	230	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
4-Chloroaniline	2900	U	2900	190	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
4-Chlorophenyl phenyl ether	2200	U	2200	140	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
4-Nitroaniline	2200	U	2200	290	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
4-Nitrophenol	3600	U	3600	190	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Acenaphthene	**630**	**J**	2900	8.4	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Acenaphthylene	**110**	**J**	2900	3.9	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Acetophenone	2900	U	2900	100	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Anthracene	**1300**	**J**	2900	8.6	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Atrazine	440	U	440	100	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Benzaldehyde	2900	U	2900	130	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Benzo[a]anthracene	**4000**		2900	7.0	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Benzo[a]pyrene	**3800**		2900	7.1	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Benzo[b]fluoranthene	**6000**		2900	6.5	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Benzo[g,h,i]perylene	**2100**	**J**	2900	3.9	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Benzo[k]fluoranthene	**2100**	**J**	2900	7.5	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Bis(2-chloroethoxy)methane	2900	U	2900	240	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Bis(2-chloroethyl)ether	880	U	880	22	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Bis(2-ethylhexyl) phthalate	2900	U	2900	210	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Butyl benzyl phthalate	2900	U	2900	110	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Caprolactam	2900	U	2900	410	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Carbazole	**670**	**J**	2900	300	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Chrysene	**4500**		2900	12	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Dibenz(a,h)anthracene	**630**	**J**	2900	7.3	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Dibenzofuran	**400**	**J**	2900	7.3	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Diethyl phthalate	2900	U	2900	180	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Dimethyl phthalate	2900	U	2900	190	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Di-n-butyl phthalate	**2600**	**J B**	2900	170	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Di-n-octyl phthalate	2900	U	2900	87	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Fluoranthene	**9900**		2900	6.1	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10

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

Client Sample ID: SO-17303-123013-CT-108
Date Collected: 12/30/13 11:10
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-12
Matrix: Solid
Percent Solids: 90.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	**730**	**J**	2900	5.9	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Hexachlorobenzene	2900	U	2900	23	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Hexachlorobutadiene	440	U	440	62	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Hexachlorocyclopentadiene	2900	U	2900	90	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Hexachloroethane	2900	U	2900	99	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Indeno[1,2,3-cd]pyrene	**1900**	**J**	2900	3.9	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Isophorone	2900	U	2900	140	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Naphthalene	**210**	**J**	2900	9.1	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Nitrobenzene	2900	U	2900	24	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
N-Nitrosodi-n-propylamine	2900	U	2900	70	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
N-Nitrosodiphenylamine	2900	U	2900	230	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Pentachlorophenol	1700	U	1700	100	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Phenol	2900	U	2900	81	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Phenanthrene	**7000**		2900	8.1	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
Pyrene	**7300**		2900	4.9	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10
3 & 4 Methylphenol	2900	U	2900	220	ug/Kg	☼	01/02/14 08:34	01/06/14 13:07	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*66*		*24 - 110*	*01/02/14 08:34*	*01/06/14 13:07*	*10*
2-Fluorophenol (Surr)	*77*		*24 - 110*	*01/02/14 08:34*	*01/06/14 13:07*	*10*
2,4,6-Tribromophenol (Surr)	*72*		*10 - 110*	*01/02/14 08:34*	*01/06/14 13:07*	*10*
Nitrobenzene-d5 (Surr)	*56*		*20 - 110*	*01/02/14 08:34*	*01/06/14 13:07*	*10*
Phenol-d5 (Surr)	*82*		*26 - 110*	*01/02/14 08:34*	*01/06/14 13:07*	*10*
Terphenyl-d14 (Surr)	*84*		*36 - 110*	*01/02/14 08:34*	*01/06/14 13:07*	*10*

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

Client Sample ID: SO-17303-123013-CT-109
Date Collected: 12/30/13 11:15
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-13
Matrix: Solid
Percent Solids: 90.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1500	U	1500	19	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
2,2'-oxybis[1-chloropropane]	1500	U	1500	53	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
2,4,5-Trichlorophenol	1500	U	1500	140	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
2,4,6-Trichlorophenol	1500	U	1500	49	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
2,4-Dichlorophenol	1500	U	1500	110	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
2,4-Dimethylphenol	1500	U	1500	110	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
2,4-Dinitrophenol	830	U	830	120	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
2,4-Dinitrotoluene	1500	U	1500	94	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
2,6-Dinitrotoluene	1500	U	1500	120	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
2-Chloronaphthalene	1500	U	1500	2.5	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
2-Chlorophenol	1500	U	1500	46	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
2-Methylnaphthalene	**39**	**J**	1500	2.8	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
2-Methylphenol	1500	U	1500	61	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
2-Nitroaniline	1100	U	1100	51	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
2-Nitrophenol	1500	U	1500	46	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
3,3'-Dichlorobenzidine	1500	U	1500	100	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
3-Nitroaniline	1100	U	1100	89	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
4,6-Dinitro-2-methylphenol	1100	U	1100	51	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
4-Bromophenyl phenyl ether	830	U	830	72	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
4-Chloro-3-methylphenol	1500	U	1500	120	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
4-Chloroaniline	1500	U	1500	94	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
4-Chlorophenyl phenyl ether	1100	U	1100	72	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
4-Nitroaniline	1100	U	1100	140	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
4-Nitrophenol	1800	U	1800	94	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Acenaphthene	**160**	**J**	1500	4.2	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Acenaphthylene	**23**	**J**	1500	1.9	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Acetophenone	1500	U	1500	51	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Anthracene	**340**	**J**	1500	4.3	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Atrazine	220	U	220	51	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Benzaldehyde	1500	U	1500	67	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Benzo[a]anthracene	**1400**	**J**	1500	3.5	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Benzo[a]pyrene	**1300**	**J**	1500	3.6	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Benzo[b]fluoranthene	**1800**		1500	3.3	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Benzo[g,h,i]perylene	**1100**	**J**	1500	1.9	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Benzo[k]fluoranthene	**820**	**J**	1500	3.8	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Bis(2-chloroethoxy)methane	1500	U	1500	120	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Bis(2-chloroethyl)ether	440	U	440	11	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Bis(2-ethylhexyl) phthalate	1500	U	1500	110	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Butyl benzyl phthalate	1500	U	1500	56	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Caprolactam	1500	U	1500	210	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Carbazole	**200**	**J**	1500	150	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Chrysene	**1600**		1500	6.1	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Dibenz(a,h)anthracene	1500	U	1500	3.7	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Dibenzofuran	**78**	**J**	1500	3.7	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Diethyl phthalate	1500	U	1500	89	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Dimethyl phthalate	1500	U	1500	94	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Di-n-butyl phthalate	1500	U	1500	83	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Di-n-octyl phthalate	1500	U	1500	44	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Fluoranthene	**3400**		1500	3.1	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5

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

Client Sample ID: SO-17303-123013-CT-109
Date Collected: 12/30/13 11:15
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-13
Matrix: Solid
Percent Solids: 90.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	**150**	**J**	1500	2.9	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Hexachlorobenzene	1500	U	1500	12	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Hexachlorobutadiene	220	U	220	31	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Hexachlorocyclopentadiene	1500	U	1500	45	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Hexachloroethane	1500	U	1500	50	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Indeno[1,2,3-cd]pyrene	**820**	**J**	1500	1.9	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Isophorone	1500	U	1500	72	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Naphthalene	1500	U	1500	4.6	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Nitrobenzene	1500	U	1500	12	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
N-Nitrosodi-n-propylamine	1500	U	1500	35	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
N-Nitrosodiphenylamine	1500	U	1500	120	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Pentachlorophenol	830	U	830	51	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Phenol	1500	U	1500	41	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Phenanthrene	**1900**		1500	4.1	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
Pyrene	**2900**		1500	2.4	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5
3 & 4 Methylphenol	1500	U	1500	110	ug/Kg	☼	01/03/14 08:05	01/07/14 14:22	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*70*		*24 - 110*	*01/03/14 08:05*	*01/07/14 14:22*	*5*
2-Fluorophenol (Surr)	*65*		*24 - 110*	*01/03/14 08:05*	*01/07/14 14:22*	*5*
2,4,6-Tribromophenol (Surr)	*41*		*10 - 110*	*01/03/14 08:05*	*01/07/14 14:22*	*5*
Nitrobenzene-d5 (Surr)	*61*		*20 - 110*	*01/03/14 08:05*	*01/07/14 14:22*	*5*
Phenol-d5 (Surr)	*68*		*26 - 110*	*01/03/14 08:05*	*01/07/14 14:22*	*5*
Terphenyl-d14 (Surr)	*96*		*36 - 110*	*01/03/14 08:05*	*01/07/14 14:22*	*5*

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: SO-17303-123013-CT-100
Date Collected: 12/30/13 10:05
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-4
Matrix: Solid
Percent Solids: 92.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	180	U	180	110	ug/Kg	☼	01/02/14 08:04	01/06/14 12:22	5
Aroclor-1221	180	U	180	86	ug/Kg	☼	01/02/14 08:04	01/06/14 12:22	5
Aroclor-1232	180	U	180	75	ug/Kg	☼	01/02/14 08:04	01/06/14 12:22	5
Aroclor-1242	180	U	180	70	ug/Kg	☼	01/02/14 08:04	01/06/14 12:22	5
Aroclor-1248	180	U	180	91	ug/Kg	☼	01/02/14 08:04	01/06/14 12:22	5
Aroclor-1254	180	U	180	91	ug/Kg	☼	01/02/14 08:04	01/06/14 12:22	5
Aroclor-1260	**790**		180	91	ug/Kg	☼	01/02/14 08:04	01/06/14 12:22	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*83*		*29 - 151*	*01/02/14 08:04*	*01/06/14 12:22*	*5*
DCB Decachlorobiphenyl	*77*		*14 - 163*	*01/02/14 08:04*	*01/06/14 12:22*	*5*

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: SO-17303-123013-CT-101
Date Collected: 12/30/13 10:10
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-5
Matrix: Solid
Percent Solids: 95.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	340	U	340	220	ug/Kg	☼	01/02/14 08:04	01/05/14 03:16	10
Aroclor-1221	340	U	340	170	ug/Kg	☼	01/02/14 08:04	01/05/14 03:16	10
Aroclor-1232	340	U	340	150	ug/Kg	☼	01/02/14 08:04	01/05/14 03:16	10
Aroclor-1242	340	U	340	140	ug/Kg	☼	01/02/14 08:04	01/05/14 03:16	10
Aroclor-1248	340	U	340	180	ug/Kg	☼	01/02/14 08:04	01/05/14 03:16	10
Aroclor-1254	340	U	340	180	ug/Kg	☼	01/02/14 08:04	01/05/14 03:16	10
Aroclor-1260	**1600**		340	180	ug/Kg	☼	01/02/14 08:04	01/05/14 03:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*X*	*29 - 151*	*01/02/14 08:04*	*01/05/14 03:16*	*10*
DCB Decachlorobiphenyl	*0*	*X*	*14 - 163*	*01/02/14 08:04*	*01/05/14 03:16*	*10*

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: SO-17303-123013-CT-102
Date Collected: 12/30/13 10:30
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-6
Matrix: Solid
Percent Solids: 94.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	350	U	350	220	ug/Kg	☼	01/02/14 08:04	01/05/14 03:31	10
Aroclor-1221	350	U	350	170	ug/Kg	☼	01/02/14 08:04	01/05/14 03:31	10
Aroclor-1232	350	U	350	150	ug/Kg	☼	01/02/14 08:04	01/05/14 03:31	10
Aroclor-1242	350	U	350	140	ug/Kg	☼	01/02/14 08:04	01/05/14 03:31	10
Aroclor-1248	350	U	350	180	ug/Kg	☼	01/02/14 08:04	01/05/14 03:31	10
Aroclor-1254	350	U	350	180	ug/Kg	☼	01/02/14 08:04	01/05/14 03:31	10
Aroclor-1260	**1100**		350	180	ug/Kg	☼	01/02/14 08:04	01/05/14 03:31	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*X*	*29 - 151*	*01/02/14 08:04*	*01/05/14 03:31*	*10*
DCB Decachlorobiphenyl	*0*	*X*	*14 - 163*	*01/02/14 08:04*	*01/05/14 03:31*	*10*

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: SO-17303-123013-CT-103
Date Collected: 12/30/13 10:40
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-7
Matrix: Solid
Percent Solids: 94.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	280	U	280	22	ug/Kg	☼	01/07/14 08:15	01/08/14 15:39	1
Aroclor-1221	280	U	280	17	ug/Kg	☼	01/07/14 08:15	01/08/14 15:39	1
Aroclor-1232	280	U	280	15	ug/Kg	☼	01/07/14 08:15	01/08/14 15:39	1
Aroclor-1242	280	U	280	14	ug/Kg	☼	01/07/14 08:15	01/08/14 15:39	1
Aroclor-1248	280	U	280	18	ug/Kg	☼	01/07/14 08:15	01/08/14 15:39	1
Aroclor-1254	280	U	280	18	ug/Kg	☼	01/07/14 08:15	01/08/14 15:39	1
Aroclor-1260	**390**		280	18	ug/Kg	☼	01/07/14 08:15	01/08/14 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*65*		*29 - 151*	*01/07/14 08:15*	*01/08/14 15:39*	*1*
DCB Decachlorobiphenyl	*58*		*14 - 163*	*01/07/14 08:15*	*01/08/14 15:39*	*1*

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: SO-17303-123013-CT-104
Date Collected: 12/30/13 10:50
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-8
Matrix: Solid
Percent Solids: 94.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	350	U	350	220	ug/Kg	☼	01/02/14 08:04	01/05/14 04:30	10
Aroclor-1221	350	U	350	170	ug/Kg	☼	01/02/14 08:04	01/05/14 04:30	10
Aroclor-1232	350	U	350	150	ug/Kg	☼	01/02/14 08:04	01/05/14 04:30	10
Aroclor-1242	350	U	350	140	ug/Kg	☼	01/02/14 08:04	01/05/14 04:30	10
Aroclor-1248	350	U	350	180	ug/Kg	☼	01/02/14 08:04	01/05/14 04:30	10
Aroclor-1254	350	U	350	180	ug/Kg	☼	01/02/14 08:04	01/05/14 04:30	10
Aroclor-1260	**1300**		350	180	ug/Kg	☼	01/02/14 08:04	01/05/14 04:30	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*X*	*29 - 151*	*01/02/14 08:04*	*01/05/14 04:30*	*10*
DCB Decachlorobiphenyl	*0*	*X*	*14 - 163*	*01/02/14 08:04*	*01/05/14 04:30*	*10*

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: SO-17303-123013-CT-105
Date Collected: 12/30/13 09:45
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-9
Matrix: Solid
Percent Solids: 91.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	180	U	180	110	ug/Kg	☼	01/02/14 07:12	01/06/14 02:41	5
Aroclor-1221	180	U	180	87	ug/Kg	☼	01/02/14 07:12	01/06/14 02:41	5
Aroclor-1232	180	U	180	76	ug/Kg	☼	01/02/14 07:12	01/06/14 02:41	5
Aroclor-1242	180	U	180	71	ug/Kg	☼	01/02/14 07:12	01/06/14 02:41	5
Aroclor-1248	180	U	180	92	ug/Kg	☼	01/02/14 07:12	01/06/14 02:41	5
Aroclor-1254	180	U	180	92	ug/Kg	☼	01/02/14 07:12	01/06/14 02:41	5
Aroclor-1260	**130**	**J**	180	92	ug/Kg	☼	01/02/14 07:12	01/06/14 02:41	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*29 - 151*	*01/02/14 07:12*	*01/06/14 02:41*	*5*
DCB Decachlorobiphenyl	*60*		*14 - 163*	*01/02/14 07:12*	*01/06/14 02:41*	*5*

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: SO-17303-123013-CT-106
Date Collected: 12/30/13 09:55
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-10
Matrix: Solid
Percent Solids: 93.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	280	U	280	22	ug/Kg	☼	01/02/14 07:12	01/06/14 02:56	1
Aroclor-1221	280	U	280	17	ug/Kg	☼	01/02/14 07:12	01/06/14 02:56	1
Aroclor-1232	280	U	280	15	ug/Kg	☼	01/02/14 07:12	01/06/14 02:56	1
Aroclor-1242	280	U	280	14	ug/Kg	☼	01/02/14 07:12	01/06/14 02:56	1
Aroclor-1248	280	U	280	18	ug/Kg	☼	01/02/14 07:12	01/06/14 02:56	1
Aroclor-1254	280	U	280	18	ug/Kg	☼	01/02/14 07:12	01/06/14 02:56	1
Aroclor-1260	**120**	**J**	280	18	ug/Kg	☼	01/02/14 07:12	01/06/14 02:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*29 - 151*	*01/02/14 07:12*	*01/06/14 02:56*	*1*
DCB Decachlorobiphenyl	*49*		*14 - 163*	*01/02/14 07:12*	*01/06/14 02:56*	*1*

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: SO-17303-123013-CT-107
Date Collected: 12/30/13 10:55
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-11
Matrix: Solid
Percent Solids: 87.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	190	U	190	120	ug/Kg	☼	01/02/14 07:12	01/06/14 03:11	5
Aroclor-1221	190	U	190	91	ug/Kg	☼	01/02/14 07:12	01/06/14 03:11	5
Aroclor-1232	190	U	190	80	ug/Kg	☼	01/02/14 07:12	01/06/14 03:11	5
Aroclor-1242	190	U	190	74	ug/Kg	☼	01/02/14 07:12	01/06/14 03:11	5
Aroclor-1248	190	U	190	97	ug/Kg	☼	01/02/14 07:12	01/06/14 03:11	5
Aroclor-1254	190	U	190	97	ug/Kg	☼	01/02/14 07:12	01/06/14 03:11	5
Aroclor-1260	**390**		190	97	ug/Kg	☼	01/02/14 07:12	01/06/14 03:11	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*141*		*29 - 151*	*01/02/14 07:12*	*01/06/14 03:11*	*5*
DCB Decachlorobiphenyl	*117*		*14 - 163*	*01/02/14 07:12*	*01/06/14 03:11*	*5*

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: SO-17303-123013-CT-108
Date Collected: 12/30/13 11:10
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-12
Matrix: Solid
Percent Solids: 90.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	18000	U	18000	12000	ug/Kg	☼	01/02/14 07:12	01/06/14 03:26	500
Aroclor-1221	18000	U	18000	8900	ug/Kg	☼	01/02/14 07:12	01/06/14 03:26	500
Aroclor-1232	18000	U	18000	7800	ug/Kg	☼	01/02/14 07:12	01/06/14 03:26	500
Aroclor-1242	18000	U	18000	7200	ug/Kg	☼	01/02/14 07:12	01/06/14 03:26	500
Aroclor-1248	18000	U	18000	9400	ug/Kg	☼	01/02/14 07:12	01/06/14 03:26	500
Aroclor-1254	18000	U	18000	9400	ug/Kg	☼	01/02/14 07:12	01/06/14 03:26	500
Aroclor-1260	**52000**		18000	9400	ug/Kg	☼	01/02/14 07:12	01/06/14 03:26	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*X*	*29 - 151*	*01/02/14 07:12*	*01/06/14 03:26*	*500*
DCB Decachlorobiphenyl	*0*	*X*	*14 - 163*	*01/02/14 07:12*	*01/06/14 03:26*	*500*

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: SO-17303-123013-CT-109
Date Collected: 12/30/13 11:15
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-13
Matrix: Solid
Percent Solids: 90.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	72	U	72	46	ug/Kg	☼	01/02/14 07:12	01/06/14 03:41	2
Aroclor-1221	72	U	72	35	ug/Kg	☼	01/02/14 07:12	01/06/14 03:41	2
Aroclor-1232	72	U	72	31	ug/Kg	☼	01/02/14 07:12	01/06/14 03:41	2
Aroclor-1242	72	U	72	28	ug/Kg	☼	01/02/14 07:12	01/06/14 03:41	2
Aroclor-1248	72	U	72	37	ug/Kg	☼	01/02/14 07:12	01/06/14 03:41	2
Aroclor-1254	72	U	72	37	ug/Kg	☼	01/02/14 07:12	01/06/14 03:41	2
Aroclor-1260	**340**		72	37	ug/Kg	☼	01/02/14 07:12	01/06/14 03:41	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*52*		*29 - 151*	*01/02/14 07:12*	*01/06/14 03:41*	*2*
DCB Decachlorobiphenyl	*49*		*14 - 163*	*01/02/14 07:12*	*01/06/14 03:41*	*2*

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 6010B - Metals (ICP)

Client Sample ID: SO-17303-123013-CT-100
Date Collected: 12/30/13 10:05
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-4
Matrix: Solid
Percent Solids: 92.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	20	B	0.78	0.069	mg/Kg	☼	01/03/14 08:55	01/06/14 15:16	1
Beryllium	0.12	J	0.16	0.042	mg/Kg	☼	01/03/14 08:55	01/06/14 15:16	1
Cadmium	0.77		0.078	0.035	mg/Kg	☼	01/03/14 08:55	01/06/14 15:16	1
Cobalt	2.5		0.39	0.16	mg/Kg	☼	01/03/14 08:55	01/06/14 15:16	1
Chromium	26		0.78	0.19	mg/Kg	☼	01/03/14 08:55	01/06/14 15:16	1
Copper	7.1		0.78	0.72	mg/Kg	☼	01/03/14 08:55	01/06/14 15:16	1
Manganese	140	B	0.78	0.072	mg/Kg	☼	01/03/14 08:55	01/06/14 15:16	1
Nickel	6.2		0.78	0.26	mg/Kg	☼	01/03/14 08:55	01/06/14 15:16	1
Vanadium	8.4		0.78	0.12	mg/Kg	☼	01/03/14 08:55	01/08/14 10:25	1
Zinc	96	B	1.9	0.97	mg/Kg	☼	01/03/14 08:55	01/06/14 15:16	1
Lead	16		0.23	0.18	mg/Kg	☼	01/03/14 08:55	01/06/14 15:16	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 6010B - Metals (ICP)

Client Sample ID: SO-17303-123013-CT-101
Date Collected: 12/30/13 10:10
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-5
Matrix: Solid
Percent Solids: 95.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	28	B	0.72	0.064	mg/Kg	☼	01/03/14 08:55	01/06/14 15:39	1
Beryllium	0.18		0.14	0.039	mg/Kg	☼	01/03/14 08:55	01/06/14 15:39	1
Cadmium	0.34		0.072	0.032	mg/Kg	☼	01/03/14 08:55	01/06/14 15:39	1
Cobalt	2.2		0.36	0.14	mg/Kg	☼	01/03/14 08:55	01/06/14 15:39	1
Chromium	18		0.72	0.18	mg/Kg	☼	01/03/14 08:55	01/06/14 15:39	1
Copper	4.7		0.72	0.66	mg/Kg	☼	01/03/14 08:55	01/06/14 15:39	1
Manganese	180	B	0.72	0.066	mg/Kg	☼	01/03/14 08:55	01/06/14 15:39	1
Nickel	5.4		0.72	0.24	mg/Kg	☼	01/03/14 08:55	01/06/14 15:39	1
Vanadium	11		0.72	0.11	mg/Kg	☼	01/03/14 08:55	01/08/14 10:41	1
Zinc	44	B	1.8	0.90	mg/Kg	☼	01/03/14 08:55	01/06/14 15:39	1
Lead	11		0.22	0.17	mg/Kg	☼	01/03/14 08:55	01/06/14 15:39	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 6010B - Metals (ICP)

Client Sample ID: SO-17303-123013-CT-102
Date Collected: 12/30/13 10:30
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-6
Matrix: Solid
Percent Solids: 94.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	53	B	0.82	0.073	mg/Kg	☼	01/03/14 08:55	01/06/14 15:43	1
Beryllium	0.17		0.16	0.044	mg/Kg	☼	01/03/14 08:55	01/06/14 15:43	1
Cadmium	0.96		0.082	0.037	mg/Kg	☼	01/03/14 08:55	01/06/14 15:43	1
Cobalt	2.9		0.41	0.16	mg/Kg	☼	01/03/14 08:55	01/06/14 15:43	1
Chromium	110		0.82	0.20	mg/Kg	☼	01/03/14 08:55	01/06/14 15:43	1
Copper	11		0.82	0.76	mg/Kg	☼	01/03/14 08:55	01/06/14 15:43	1
Manganese	160	B	0.82	0.076	mg/Kg	☼	01/03/14 08:55	01/06/14 15:43	1
Nickel	7.1		0.82	0.28	mg/Kg	☼	01/03/14 08:55	01/06/14 15:43	1
Vanadium	8.6		0.82	0.12	mg/Kg	☼	01/03/14 08:55	01/08/14 10:45	1
Zinc	220	B	2.0	1.0	mg/Kg	☼	01/03/14 08:55	01/06/14 15:43	1
Lead	34		0.25	0.19	mg/Kg	☼	01/03/14 08:55	01/06/14 15:43	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 6010B - Metals (ICP)

Client Sample ID: SO-17303-123013-CT-103
Date Collected: 12/30/13 10:40
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-7
Matrix: Solid
Percent Solids: 94.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	41	B	0.76	0.068	mg/Kg	☼	01/03/14 08:55	01/06/14 15:47	1
Beryllium	0.15		0.15	0.041	mg/Kg	☼	01/03/14 08:55	01/06/14 15:47	1
Cadmium	0.76		0.076	0.034	mg/Kg	☼	01/03/14 08:55	01/06/14 15:47	1
Cobalt	3.1		0.38	0.15	mg/Kg	☼	01/03/14 08:55	01/06/14 15:47	1
Chromium	130		0.76	0.19	mg/Kg	☼	01/03/14 08:55	01/06/14 15:47	1
Copper	8.9		0.76	0.71	mg/Kg	☼	01/03/14 08:55	01/06/14 15:47	1
Manganese	220	B	0.76	0.071	mg/Kg	☼	01/03/14 08:55	01/06/14 15:47	1
Nickel	14		0.76	0.26	mg/Kg	☼	01/03/14 08:55	01/06/14 15:47	1
Vanadium	9.3		0.76	0.11	mg/Kg	☼	01/03/14 08:55	01/08/14 10:57	1
Zinc	220	B	1.9	0.96	mg/Kg	☼	01/03/14 08:55	01/06/14 15:47	1
Lead	31		0.23	0.18	mg/Kg	☼	01/03/14 08:55	01/06/14 15:47	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 6010B - Metals (ICP)

Client Sample ID: SO-17303-123013-CT-104
Date Collected: 12/30/13 10:50
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-8
Matrix: Solid
Percent Solids: 94.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	23	B	0.73	0.065	mg/Kg	☼	01/03/14 08:55	01/06/14 15:51	1
Beryllium	0.13	J	0.15	0.039	mg/Kg	☼	01/03/14 08:55	01/06/14 15:51	1
Cadmium	0.58		0.073	0.033	mg/Kg	☼	01/03/14 08:55	01/06/14 15:51	1
Cobalt	2.8		0.37	0.15	mg/Kg	☼	01/03/14 08:55	01/06/14 15:51	1
Chromium	32		0.73	0.18	mg/Kg	☼	01/03/14 08:55	01/06/14 15:51	1
Copper	7.2		0.73	0.68	mg/Kg	☼	01/03/14 08:55	01/06/14 15:51	1
Manganese	140	B	0.73	0.068	mg/Kg	☼	01/03/14 08:55	01/06/14 15:51	1
Nickel	7.0		0.73	0.25	mg/Kg	☼	01/03/14 08:55	01/06/14 15:51	1
Vanadium	8.4		0.73	0.11	mg/Kg	☼	01/03/14 08:55	01/08/14 11:01	1
Zinc	110	B	1.8	0.92	mg/Kg	☼	01/03/14 08:55	01/06/14 15:51	1
Lead	23		0.22	0.17	mg/Kg	☼	01/03/14 08:55	01/06/14 15:51	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 6010B - Metals (ICP)

Client Sample ID: SO-17303-123013-CT-105
Date Collected: 12/30/13 09:45
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-9
Matrix: Solid
Percent Solids: 91.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	110	B	0.77	0.068	mg/Kg	☼	01/03/14 08:55	01/06/14 15:55	1
Beryllium	0.084	J	0.15	0.041	mg/Kg	☼	01/03/14 08:55	01/06/14 15:55	1
Cadmium	4.1		0.077	0.035	mg/Kg	☼	01/03/14 08:55	01/06/14 15:55	1
Cobalt	3.0		0.39	0.15	mg/Kg	☼	01/03/14 08:55	01/06/14 15:55	1
Chromium	310		0.77	0.19	mg/Kg	☼	01/03/14 08:55	01/06/14 15:55	1
Copper	8.7		0.77	0.71	mg/Kg	☼	01/03/14 08:55	01/06/14 15:55	1
Manganese	110	B	0.77	0.071	mg/Kg	☼	01/03/14 08:55	01/06/14 15:55	1
Nickel	5.4		0.77	0.26	mg/Kg	☼	01/03/14 08:55	01/06/14 15:55	1
Vanadium	6.9		0.77	0.12	mg/Kg	☼	01/03/14 08:55	01/08/14 11:05	1
Zinc	720	B	1.9	0.96	mg/Kg	☼	01/03/14 08:55	01/06/14 15:55	1
Lead	43		0.23	0.18	mg/Kg	☼	01/03/14 08:55	01/06/14 15:55	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 6010B - Metals (ICP)

Client Sample ID: SO-17303-123013-CT-106
Date Collected: 12/30/13 09:55
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-10
Matrix: Solid
Percent Solids: 93.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	220	B	0.83	0.073	mg/Kg	☼	01/03/14 08:55	01/06/14 15:59	1
Beryllium	0.087	J	0.17	0.044	mg/Kg	☼	01/03/14 08:55	01/06/14 15:59	1
Cadmium	3.5		0.083	0.037	mg/Kg	☼	01/03/14 08:55	01/06/14 15:59	1
Cobalt	3.8		0.41	0.17	mg/Kg	☼	01/03/14 08:55	01/06/14 15:59	1
Chromium	330		0.83	0.21	mg/Kg	☼	01/03/14 08:55	01/06/14 15:59	1
Copper	13		0.83	0.76	mg/Kg	☼	01/03/14 08:55	01/06/14 15:59	1
Manganese	120	B	0.83	0.076	mg/Kg	☼	01/03/14 08:55	01/06/14 15:59	1
Nickel	6.3		0.83	0.28	mg/Kg	☼	01/03/14 08:55	01/06/14 15:59	1
Vanadium	6.9		0.83	0.12	mg/Kg	☼	01/03/14 08:55	01/08/14 11:09	1
Zinc	750	B	2.1	1.0	mg/Kg	☼	01/03/14 08:55	01/06/14 15:59	1
Lead	170		0.25	0.20	mg/Kg	☼	01/03/14 08:55	01/06/14 15:59	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 6010B - Metals (ICP)

Client Sample ID: SO-17303-123013-CT-107
Date Collected: 12/30/13 10:55
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-11
Matrix: Solid
Percent Solids: 87.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	1400	B	0.85	0.075	mg/Kg	☼	01/03/14 08:55	01/06/14 16:02	1
Beryllium	0.46		0.17	0.045	mg/Kg	☼	01/03/14 08:55	01/06/14 16:02	1
Cadmium	22		0.085	0.038	mg/Kg	☼	01/03/14 08:55	01/06/14 16:02	1
Cobalt	6.0		0.42	0.17	mg/Kg	☼	01/03/14 08:55	01/06/14 16:02	1
Chromium	1200		0.85	0.21	mg/Kg	☼	01/03/14 08:55	01/06/14 16:02	1
Copper	280		0.85	0.78	mg/Kg	☼	01/03/14 08:55	01/06/14 16:02	1
Manganese	280	B	0.85	0.078	mg/Kg	☼	01/03/14 08:55	01/06/14 16:02	1
Nickel	11		0.85	0.29	mg/Kg	☼	01/03/14 08:55	01/06/14 16:02	1
Vanadium	8.3		0.85	0.13	mg/Kg	☼	01/03/14 08:55	01/08/14 11:13	1
Zinc	2200	B	11	5.3	mg/Kg	☼	01/03/14 08:55	01/06/14 16:14	5
Lead	160		0.25	0.20	mg/Kg	☼	01/03/14 08:55	01/06/14 16:02	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 6010B - Metals (ICP)

Client Sample ID: SO-17303-123013-CT-108
Date Collected: 12/30/13 11:10
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-12
Matrix: Solid
Percent Solids: 90.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	48	B	0.84	0.074	mg/Kg	☼	01/03/14 08:55	01/06/14 16:18	1
Beryllium	0.19		0.17	0.045	mg/Kg	☼	01/03/14 08:55	01/06/14 16:18	1
Cadmium	0.98		0.084	0.038	mg/Kg	☼	01/03/14 08:55	01/06/14 16:18	1
Cobalt	3.3		0.42	0.17	mg/Kg	☼	01/03/14 08:55	01/06/14 16:18	1
Chromium	23		0.84	0.21	mg/Kg	☼	01/03/14 08:55	01/06/14 16:18	1
Copper	8.4		0.84	0.77	mg/Kg	☼	01/03/14 08:55	01/06/14 16:18	1
Manganese	290	B	0.84	0.077	mg/Kg	☼	01/03/14 08:55	01/06/14 16:18	1
Nickel	7.4		0.84	0.28	mg/Kg	☼	01/03/14 08:55	01/06/14 16:18	1
Vanadium	12		0.84	0.13	mg/Kg	☼	01/03/14 08:55	01/08/14 11:18	1
Zinc	85	B	2.1	1.0	mg/Kg	☼	01/03/14 08:55	01/06/14 16:18	1
Lead	64		0.25	0.20	mg/Kg	☼	01/03/14 08:55	01/06/14 16:18	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 6010B - Metals (ICP)

Client Sample ID: SO-17303-123013-CT-109
Date Collected: 12/30/13 11:15
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-13
Matrix: Solid
Percent Solids: 90.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	56	B	0.85	0.076	mg/Kg	☼	01/03/14 08:55	01/06/14 16:22	1
Beryllium	0.22		0.17	0.046	mg/Kg	☼	01/03/14 08:55	01/06/14 16:22	1
Cadmium	0.80		0.085	0.038	mg/Kg	☼	01/03/14 08:55	01/06/14 16:22	1
Cobalt	4.4		0.43	0.17	mg/Kg	☼	01/03/14 08:55	01/06/14 16:22	1
Chromium	22		0.85	0.21	mg/Kg	☼	01/03/14 08:55	01/06/14 16:22	1
Copper	8.2		0.85	0.79	mg/Kg	☼	01/03/14 08:55	01/06/14 16:22	1
Manganese	620	B	0.85	0.079	mg/Kg	☼	01/03/14 08:55	01/06/14 16:22	1
Nickel	8.2		0.85	0.29	mg/Kg	☼	01/03/14 08:55	01/06/14 16:22	1
Vanadium	10		0.85	0.13	mg/Kg	☼	01/03/14 08:55	01/08/14 11:22	1
Zinc	48	B	2.1	1.1	mg/Kg	☼	01/03/14 08:55	01/06/14 16:22	1
Lead	82		0.26	0.20	mg/Kg	☼	01/03/14 08:55	01/06/14 16:22	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 6020 - Metals (ICP/MS)

Client Sample ID: SO-17303-123013-CT-100
Date Collected: 12/30/13 10:05
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-4
Matrix: Solid
Percent Solids: 92.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.4		0.31	0.018	mg/Kg	☼	01/03/14 08:55	01/06/14 10:18	2
Arsenic	3.5	B	0.16	0.012	mg/Kg	☼	01/03/14 08:55	01/06/14 10:18	2
Selenium	0.32		0.31	0.054	mg/Kg	☼	01/03/14 08:55	01/06/14 10:18	2
Thallium	0.097	J	0.16	0.016	mg/Kg	☼	01/03/14 08:55	01/06/14 10:18	2
Silver	0.033	J	0.16	0.0021	mg/Kg	☼	01/03/14 08:55	01/06/14 10:18	2

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 6020 - Metals (ICP/MS)

Client Sample ID: SO-17303-123013-CT-101
Date Collected: 12/30/13 10:10
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-5
Matrix: Solid
Percent Solids: 95.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.3		0.29	0.016	mg/Kg	☼	01/03/14 08:55	01/06/14 10:33	2
Arsenic	3.2	B	0.14	0.011	mg/Kg	☼	01/03/14 08:55	01/06/14 10:33	2
Selenium	0.18	J	0.29	0.049	mg/Kg	☼	01/03/14 08:55	01/06/14 10:33	2
Thallium	0.078	J	0.14	0.014	mg/Kg	☼	01/03/14 08:55	01/06/14 10:33	2
Silver	0.077	J	0.14	0.0020	mg/Kg	☼	01/03/14 08:55	01/06/14 10:33	2

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 6020 - Metals (ICP/MS)

Client Sample ID: SO-17303-123013-CT-102
Date Collected: 12/30/13 10:30
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-6
Matrix: Solid
Percent Solids: 94.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	14		0.33	0.018	mg/Kg	☼	01/03/14 08:55	01/06/14 10:37	2
Arsenic	3.2	B	0.16	0.012	mg/Kg	☼	01/03/14 08:55	01/06/14 10:37	2
Selenium	0.22	J	0.33	0.056	mg/Kg	☼	01/03/14 08:55	01/06/14 10:37	2
Thallium	0.075	J	0.16	0.016	mg/Kg	☼	01/03/14 08:55	01/06/14 10:37	2
Silver	0.55		0.16	0.0023	mg/Kg	☼	01/03/14 08:55	01/06/14 10:37	2

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 6020 - Metals (ICP/MS)

Client Sample ID: SO-17303-123013-CT-103
Date Collected: 12/30/13 10:40
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-7
Matrix: Solid
Percent Solids: 94.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	8.7		0.31	0.017	mg/Kg	☼	01/03/14 08:55	01/06/14 10:41	2
Arsenic	3.1	B	0.15	0.011	mg/Kg	☼	01/03/14 08:55	01/06/14 10:41	2
Selenium	0.20	J	0.31	0.053	mg/Kg	☼	01/03/14 08:55	01/06/14 10:41	2
Thallium	0.071	J	0.15	0.015	mg/Kg	☼	01/03/14 08:55	01/06/14 10:41	2
Silver	0.092	J	0.15	0.0021	mg/Kg	☼	01/03/14 08:55	01/06/14 10:41	2

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 6020 - Metals (ICP/MS)

Client Sample ID: SO-17303-123013-CT-104
Date Collected: 12/30/13 10:50
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-8
Matrix: Solid
Percent Solids: 94.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.9		0.29	0.016	mg/Kg	☼	01/03/14 08:55	01/06/14 10:45	2
Arsenic	3.7	B	0.15	0.011	mg/Kg	☼	01/03/14 08:55	01/06/14 10:45	2
Selenium	0.22	J	0.29	0.050	mg/Kg	☼	01/03/14 08:55	01/06/14 10:45	2
Thallium	0.074	J	0.15	0.015	mg/Kg	☼	01/03/14 08:55	01/06/14 10:45	2
Silver	0.063	J	0.15	0.0020	mg/Kg	☼	01/03/14 08:55	01/06/14 10:45	2

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 6020 - Metals (ICP/MS)

Client Sample ID: SO-17303-123013-CT-105
Date Collected: 12/30/13 09:45
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-9
Matrix: Solid
Percent Solids: 91.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	32		0.31	0.017	mg/Kg	☼	01/03/14 08:55	01/06/14 10:49	2
Arsenic	2.5	B	0.15	0.012	mg/Kg	☼	01/03/14 08:55	01/06/14 10:49	2
Selenium	0.68		0.31	0.053	mg/Kg	☼	01/03/14 08:55	01/06/14 10:49	2
Thallium	0.045	J	0.15	0.016	mg/Kg	☼	01/03/14 08:55	01/06/14 10:49	2
Silver	0.12	J	0.15	0.0021	mg/Kg	☼	01/03/14 08:55	01/06/14 10:49	2

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 6020 - Metals (ICP/MS)

Client Sample ID: SO-17303-123013-CT-106
Date Collected: 12/30/13 09:55
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-10
Matrix: Solid
Percent Solids: 93.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	77		1.7	0.093	mg/Kg	☼	01/03/14 08:55	01/06/14 11:15	10
Arsenic	2.4	B	0.17	0.012	mg/Kg	☼	01/03/14 08:55	01/06/14 11:00	2
Selenium	0.59		0.33	0.057	mg/Kg	☼	01/03/14 08:55	01/06/14 11:00	2
Thallium	0.050	J	0.17	0.017	mg/Kg	☼	01/03/14 08:55	01/06/14 11:00	2
Silver	0.26		0.17	0.0023	mg/Kg	☼	01/03/14 08:55	01/06/14 11:00	2

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 6020 - Metals (ICP/MS)

Client Sample ID: SO-17303-123013-CT-107
Date Collected: 12/30/13 10:55
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-11
Matrix: Solid
Percent Solids: 87.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	440		3.4	0.19	mg/Kg	☼	01/03/14 08:55	01/06/14 11:19	20
Arsenic	3.7	B	0.17	0.013	mg/Kg	☼	01/03/14 08:55	01/06/14 11:04	2
Selenium	4.5		0.34	0.058	mg/Kg	☼	01/03/14 08:55	01/06/14 11:04	2
Thallium	0.071	J	0.17	0.017	mg/Kg	☼	01/03/14 08:55	01/06/14 11:04	2
Silver	2.5		0.17	0.0023	mg/Kg	☼	01/03/14 08:55	01/06/14 11:04	2

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 6020 - Metals (ICP/MS)

Client Sample ID: SO-17303-123013-CT-108
Date Collected: 12/30/13 11:10
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-12
Matrix: Solid
Percent Solids: 90.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0		0.34	0.019	mg/Kg	☼	01/03/14 08:55	01/06/14 11:23	2
Arsenic	4.2	B	0.17	0.013	mg/Kg	☼	01/03/14 08:55	01/06/14 11:07	2
Selenium	0.22	J	0.34	0.058	mg/Kg	☼	01/03/14 08:55	01/06/14 11:07	2
Thallium	0.067	J	0.17	0.017	mg/Kg	☼	01/03/14 08:55	01/06/14 11:07	2
Silver	0.088	J	0.17	0.0023	mg/Kg	☼	01/03/14 08:55	01/06/14 11:07	2

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 6020 - Metals (ICP/MS)

Client Sample ID: SO-17303-123013-CT-109
Date Collected: 12/30/13 11:15
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-13
Matrix: Solid
Percent Solids: 90.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.8		0.34	0.019	mg/Kg	☼	01/03/14 08:55	01/06/14 11:26	2
Arsenic	6.2	B	0.17	0.013	mg/Kg	☼	01/03/14 08:55	01/06/14 11:11	2
Selenium	0.22	J	0.34	0.059	mg/Kg	☼	01/03/14 08:55	01/06/14 11:11	2
Thallium	0.099	J	0.17	0.017	mg/Kg	☼	01/03/14 08:55	01/06/14 11:11	2
Silver	0.035	J	0.17	0.0024	mg/Kg	☼	01/03/14 08:55	01/06/14 11:11	2

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 7471A - Mercury (CVAA)

Client Sample ID: SO-17303-123013-CT-100
Date Collected: 12/30/13 10:05
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-4
Matrix: Solid
Percent Solids: 92.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J	0.042	0.016	mg/Kg	☼	01/03/14 11:25	01/07/14 13:30	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 7471A - Mercury (CVAA)

Client Sample ID: SO-17303-123013-CT-101
Date Collected: 12/30/13 10:10
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-5
Matrix: Solid
Percent Solids: 95.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.040	U	0.040	0.015	mg/Kg	☼	01/03/14 11:25	01/07/14 13:35	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 7471A - Mercury (CVAA)

Client Sample ID: SO-17303-123013-CT-102
Date Collected: 12/30/13 10:30
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-6
Matrix: Solid
Percent Solids: 94.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.043		0.043	0.016	mg/Kg	☼	01/03/14 11:25	01/07/14 13:37	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 7471A - Mercury (CVAA)

Client Sample ID: SO-17303-123013-CT-103
Date Collected: 12/30/13 10:40
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-7
Matrix: Solid
Percent Solids: 94.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026	J	0.038	0.014	mg/Kg	☼	01/03/14 11:25	01/07/14 13:40	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 7471A - Mercury (CVAA)

Client Sample ID: SO-17303-123013-CT-104
Date Collected: 12/30/13 10:50
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-8
Matrix: Solid
Percent Solids: 94.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J	0.048	0.018	mg/Kg	☼	01/03/14 11:25	01/07/14 13:41	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 7471A - Mercury (CVAA)

Client Sample ID: SO-17303-123013-CT-105
Date Collected: 12/30/13 09:45
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-9
Matrix: Solid
Percent Solids: 91.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049		0.045	0.017	mg/Kg	☼	01/03/14 11:25	01/07/14 13:43	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 7471A - Mercury (CVAA)

Client Sample ID: SO-17303-123013-CT-106
Date Collected: 12/30/13 09:55
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-10
Matrix: Solid
Percent Solids: 93.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026	J	0.046	0.017	mg/Kg	☼	01/03/14 11:25	01/07/14 13:47	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 7471A - Mercury (CVAA)

Client Sample ID: SO-17303-123013-CT-107
Date Collected: 12/30/13 10:55
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-11
Matrix: Solid
Percent Solids: 87.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.58		0.046	0.017	mg/Kg	☼	01/03/14 11:25	01/07/14 13:49	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 7471A - Mercury (CVAA)

Client Sample ID: SO-17303-123013-CT-108
Date Collected: 12/30/13 11:10
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-12
Matrix: Solid
Percent Solids: 90.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019	J	0.042	0.016	mg/Kg	☼	01/03/14 11:25	01/07/14 13:51	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Method: 7471A - Mercury (CVAA)

Client Sample ID: SO-17303-123013-CT-109
Date Collected: 12/30/13 11:15
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-13
Matrix: Solid
Percent Solids: 90.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J	0.046	0.017	mg/Kg	☼	01/03/14 11:25	01/07/14 13:53	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

General Chemistry

Client Sample ID: SO-17303-123013-CT-100
Date Collected: 12/30/13 10:05
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-4
Matrix: Solid
Percent Solids: 92.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.9		0.86	0.29	mg/Kg	☼	01/08/14 09:20	01/09/14 08:24	1
Cr (III)	23		0.86	0.14	mg/Kg	☼		01/03/14 05:42	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

General Chemistry

Client Sample ID: SO-17303-123013-CT-101
Date Collected: 12/30/13 10:10
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-5
Matrix: Solid
Percent Solids: 95.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**77**		4.2	1.4	mg/Kg	☼	01/08/14 09:20	01/09/14 08:34	5
Cr (III)	0.84	U	0.84	0.14	mg/Kg	☼		01/03/14 05:42	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

General Chemistry

Client Sample ID: SO-17303-123013-CT-102
Date Collected: 12/30/13 10:30
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-6
Matrix: Solid
Percent Solids: 94.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	29		0.85	0.29	mg/Kg	☼	01/08/14 09:20	01/09/14 08:34	1
Cr (III)	80		0.85	0.14	mg/Kg	☼		01/03/14 05:42	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

General Chemistry

Client Sample ID: SO-17303-123013-CT-103
Date Collected: 12/30/13 10:40
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-7
Matrix: Solid
Percent Solids: 94.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	16		0.85	0.29	mg/Kg	☼	01/08/14 09:20	01/09/14 08:30	1
Cr (III)	110		0.85	0.14	mg/Kg	☼		01/03/14 05:42	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

General Chemistry

Client Sample ID: SO-17303-123013-CT-104
Date Collected: 12/30/13 10:50
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-8
Matrix: Solid
Percent Solids: 94.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	30		0.84	0.28	mg/Kg	☼	01/13/14 09:31	01/14/14 10:36	1
Cr (III)	1.3		0.84	0.14	mg/Kg	☼		01/03/14 05:42	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

General Chemistry

Client Sample ID: SO-17303-123013-CT-105
Date Collected: 12/30/13 09:45
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-9
Matrix: Solid
Percent Solids: 91.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	30		0.87	0.29	mg/Kg	☼	01/13/14 09:31	01/14/14 10:36	1
Cr (III)	280		0.87	0.14	mg/Kg	☼		01/03/14 05:42	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

General Chemistry

Client Sample ID: SO-17303-123013-CT-106
Date Collected: 12/30/13 09:55
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-10
Matrix: Solid
Percent Solids: 93.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	97		4.3	1.4	mg/Kg	☼	01/13/14 09:31	01/14/14 10:36	5
Cr (III)	230		0.86	0.14	mg/Kg	☼		01/03/14 05:42	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

General Chemistry

Client Sample ID: SO-17303-123013-CT-107
Date Collected: 12/30/13 10:55
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-11
Matrix: Solid
Percent Solids: 87.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	100		4.6	1.5	mg/Kg	☼	01/13/14 09:31	01/14/14 10:36	5
Cr (III)	1100		0.91	0.15	mg/Kg	☼		01/03/14 05:42	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

General Chemistry

Client Sample ID: SO-17303-123013-CT-108
Date Collected: 12/30/13 11:10
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-12
Matrix: Solid
Percent Solids: 90.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.5		0.89	0.30	mg/Kg	☼	01/13/14 09:31	01/14/14 08:33	1
Cr (III)	21		0.89	0.14	mg/Kg	☼		01/03/14 05:42	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

General Chemistry

Client Sample ID: SO-17303-123013-CT-109
Date Collected: 12/30/13 11:15
Date Received: 12/31/13 09:50

Lab Sample ID: 240-32984-13
Matrix: Solid
Percent Solids: 90.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.80	J	0.88	0.30	mg/Kg	☼	01/13/14 09:31	01/14/14 08:34	1
Cr (III)	21		0.88	0.14	mg/Kg	☼		01/03/14 05:42	1

GC/MS VOA

Prep Batch: 115848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-1	SO-17303-122613-MA-005	Total/NA	Solid	5035	
240-32984-2	SO-17303-122613-MA-006	Total/NA	Solid	5035	
240-32984-3	SO-17303-122613-MA-007	Total/NA	Solid	5035	
240-32984-4	SO-17303-123013-CT-100	Total/NA	Solid	5035	
240-32984-5	SO-17303-123013-CT-101	Total/NA	Solid	5035	
240-32984-6	SO-17303-123013-CT-102	Total/NA	Solid	5035	
240-32984-7	SO-17303-123013-CT-103	Total/NA	Solid	5035	
240-32984-8	SO-17303-123013-CT-104	Total/NA	Solid	5035	
240-32984-9	SO-17303-123013-CT-105	Total/NA	Solid	5035	
240-32984-10	SO-17303-123013-CT-106	Total/NA	Solid	5035	
240-32984-11	SO-17303-123013-CT-107	Total/NA	Solid	5035	
240-32984-12	SO-17303-123013-CT-108	Total/NA	Solid	5035	
240-32984-13	SO-17303-123013-CT-109	Total/NA	Solid	5035	
LCS 240-115848/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 240-115848/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 115972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-1	SO-17303-122613-MA-005	Total/NA	Solid	8260B	115848
LCS 240-115848/2-A	Lab Control Sample	Total/NA	Solid	8260B	115848
MB 240-115848/1-A	Method Blank	Total/NA	Solid	8260B	115848

Analysis Batch: 116039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-2	SO-17303-122613-MA-006	Total/NA	Solid	8260B	115848
240-32984-3	SO-17303-122613-MA-007	Total/NA	Solid	8260B	115848
240-32984-4	SO-17303-123013-CT-100	Total/NA	Solid	8260B	115848
240-32984-5	SO-17303-123013-CT-101	Total/NA	Solid	8260B	115848
240-32984-6	SO-17303-123013-CT-102	Total/NA	Solid	8260B	115848
240-32984-7	SO-17303-123013-CT-103	Total/NA	Solid	8260B	115848
240-32984-8	SO-17303-123013-CT-104	Total/NA	Solid	8260B	115848
240-32984-9	SO-17303-123013-CT-105	Total/NA	Solid	8260B	115848
240-32984-10	SO-17303-123013-CT-106	Total/NA	Solid	8260B	115848
240-32984-11	SO-17303-123013-CT-107	Total/NA	Solid	8260B	115848
240-32984-12	SO-17303-123013-CT-108	Total/NA	Solid	8260B	115848
240-32984-13	SO-17303-123013-CT-109	Total/NA	Solid	8260B	115848

GC/MS Semi VOA

Prep Batch: 115647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-4	SO-17303-123013-CT-100	Total/NA	Solid	3540C	
240-32984-5	SO-17303-123013-CT-101	Total/NA	Solid	3540C	
240-32984-6	SO-17303-123013-CT-102	Total/NA	Solid	3540C	
240-32984-7	SO-17303-123013-CT-103	Total/NA	Solid	3540C	
240-32984-7 MS	SO-17303-123013-CT-103	Total/NA	Solid	3540C	
240-32984-7 MSD	SO-17303-123013-CT-103	Total/NA	Solid	3540C	
240-32984-8	SO-17303-123013-CT-104	Total/NA	Solid	3540C	
240-32984-9	SO-17303-123013-CT-105	Total/NA	Solid	3540C	
240-32984-10	SO-17303-123013-CT-106	Total/NA	Solid	3540C	

GC/MS Semi VOA (Continued)

Prep Batch: 115647 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-11	SO-17303-123013-CT-107	Total/NA	Solid	3540C	
240-32984-12	SO-17303-123013-CT-108	Total/NA	Solid	3540C	
LCS 240-115647/14-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-115647/13-A	Method Blank	Total/NA	Solid	3540C	

Prep Batch: 115771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-13	SO-17303-123013-CT-109	Total/NA	Solid	3540C	
240-32984-13 MS	SO-17303-123013-CT-109	Total/NA	Solid	3540C	
240-32984-13 MSD	SO-17303-123013-CT-109	Total/NA	Solid	3540C	
LCS 240-115771/5-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-115771/4-A	Method Blank	Total/NA	Solid	3540C	

Analysis Batch: 115880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-4	SO-17303-123013-CT-100	Total/NA	Solid	8270C	115647
240-32984-6	SO-17303-123013-CT-102	Total/NA	Solid	8270C	115647
240-32984-7	SO-17303-123013-CT-103	Total/NA	Solid	8270C	115647
240-32984-7 MS	SO-17303-123013-CT-103	Total/NA	Solid	8270C	115647
240-32984-7 MSD	SO-17303-123013-CT-103	Total/NA	Solid	8270C	115647
240-32984-8	SO-17303-123013-CT-104	Total/NA	Solid	8270C	115647
240-32984-9	SO-17303-123013-CT-105	Total/NA	Solid	8270C	115647
240-32984-10	SO-17303-123013-CT-106	Total/NA	Solid	8270C	115647
240-32984-11	SO-17303-123013-CT-107	Total/NA	Solid	8270C	115647
240-32984-12	SO-17303-123013-CT-108	Total/NA	Solid	8270C	115647
LCS 240-115647/14-A	Lab Control Sample	Total/NA	Solid	8270C	115647
MB 240-115647/13-A	Method Blank	Total/NA	Solid	8270C	115647

Analysis Batch: 116013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-13	SO-17303-123013-CT-109	Total/NA	Solid	8270C	115771
240-32984-13 MS	SO-17303-123013-CT-109	Total/NA	Solid	8270C	115771
240-32984-13 MSD	SO-17303-123013-CT-109	Total/NA	Solid	8270C	115771
LCS 240-115771/5-A	Lab Control Sample	Total/NA	Solid	8270C	115771
MB 240-115771/4-A	Method Blank	Total/NA	Solid	8270C	115771

Analysis Batch: 116066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-5	SO-17303-123013-CT-101	Total/NA	Solid	8270C	115647

GC Semi VOA

Prep Batch: 115619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-9	SO-17303-123013-CT-105	Total/NA	Solid	3540C	
240-32984-10	SO-17303-123013-CT-106	Total/NA	Solid	3540C	
240-32984-11	SO-17303-123013-CT-107	Total/NA	Solid	3540C	
240-32984-12	SO-17303-123013-CT-108	Total/NA	Solid	3540C	
240-32984-13	SO-17303-123013-CT-109	Total/NA	Solid	3540C	
LCS 240-115619/24-A	Lab Control Sample	Total/NA	Solid	3540C	

GC Semi VOA (Continued)

Prep Batch: 115619 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-115619/23-A	Method Blank	Total/NA	Solid	3540C	

Prep Batch: 115636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-4	SO-17303-123013-CT-100	Total/NA	Solid	3540C	
240-32984-5	SO-17303-123013-CT-101	Total/NA	Solid	3540C	
240-32984-6	SO-17303-123013-CT-102	Total/NA	Solid	3540C	
240-32984-8	SO-17303-123013-CT-104	Total/NA	Solid	3540C	
240-32984-8 MS	SO-17303-123013-CT-104	Total/NA	Solid	3540C	
240-32984-8 MSD	SO-17303-123013-CT-104	Total/NA	Solid	3540C	
LCS 240-115636/19-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-115636/18-A	Method Blank	Total/NA	Solid	3540C	

Analysis Batch: 115876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-5	SO-17303-123013-CT-101	Total/NA	Solid	8082	115636
240-32984-6	SO-17303-123013-CT-102	Total/NA	Solid	8082	115636
240-32984-8	SO-17303-123013-CT-104	Total/NA	Solid	8082	115636
240-32984-8 MS	SO-17303-123013-CT-104	Total/NA	Solid	8082	115636
240-32984-8 MSD	SO-17303-123013-CT-104	Total/NA	Solid	8082	115636
LCS 240-115636/19-A	Lab Control Sample	Total/NA	Solid	8082	115636
MB 240-115636/18-A	Method Blank	Total/NA	Solid	8082	115636

Analysis Batch: 115877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-9	SO-17303-123013-CT-105	Total/NA	Solid	8082	115619
240-32984-10	SO-17303-123013-CT-106	Total/NA	Solid	8082	115619
240-32984-11	SO-17303-123013-CT-107	Total/NA	Solid	8082	115619
240-32984-12	SO-17303-123013-CT-108	Total/NA	Solid	8082	115619
240-32984-13	SO-17303-123013-CT-109	Total/NA	Solid	8082	115619
LCS 240-115619/24-A	Lab Control Sample	Total/NA	Solid	8082	115619
MB 240-115619/23-A	Method Blank	Total/NA	Solid	8082	115619

Analysis Batch: 115934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-4	SO-17303-123013-CT-100	Total/NA	Solid	8082	115636

Prep Batch: 116004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-7	SO-17303-123013-CT-103	Total/NA	Solid	3540C	
LCS 240-116004/10-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-116004/9-A	Method Blank	Total/NA	Solid	3540C	

Analysis Batch: 116132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-7	SO-17303-123013-CT-103	Total/NA	Solid	8082	116004
LCS 240-116004/10-A	Lab Control Sample	Total/NA	Solid	8082	116004
MB 240-116004/9-A	Method Blank	Total/NA	Solid	8082	116004

Metals

Prep Batch: 115783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-4	SO-17303-123013-CT-100	Total/NA	Solid	3050B	
240-32984-4 MS	SO-17303-123013-CT-100	Total/NA	Solid	3050B	
240-32984-4 MS	SO-17303-123013-CT-100	Total/NA	Solid	3050B	
240-32984-4 MSD	SO-17303-123013-CT-100	Total/NA	Solid	3050B	
240-32984-4 MSD	SO-17303-123013-CT-100	Total/NA	Solid	3050B	
240-32984-5	SO-17303-123013-CT-101	Total/NA	Solid	3050B	
240-32984-6	SO-17303-123013-CT-102	Total/NA	Solid	3050B	
240-32984-7	SO-17303-123013-CT-103	Total/NA	Solid	3050B	
240-32984-8	SO-17303-123013-CT-104	Total/NA	Solid	3050B	
240-32984-9	SO-17303-123013-CT-105	Total/NA	Solid	3050B	
240-32984-10	SO-17303-123013-CT-106	Total/NA	Solid	3050B	
240-32984-11	SO-17303-123013-CT-107	Total/NA	Solid	3050B	
240-32984-12	SO-17303-123013-CT-108	Total/NA	Solid	3050B	
240-32984-13	SO-17303-123013-CT-109	Total/NA	Solid	3050B	
LCS 240-115783/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCS 240-115783/3-A ^2	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-115783/1-A	Method Blank	Total/NA	Solid	3050B	
MB 240-115783/1-A ^2	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 115786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-4	SO-17303-123013-CT-100	Total/NA	Solid	7471A	
240-32984-4 MS	SO-17303-123013-CT-100	Total/NA	Solid	7471A	
240-32984-4 MSD	SO-17303-123013-CT-100	Total/NA	Solid	7471A	
240-32984-5	SO-17303-123013-CT-101	Total/NA	Solid	7471A	
240-32984-6	SO-17303-123013-CT-102	Total/NA	Solid	7471A	
240-32984-7	SO-17303-123013-CT-103	Total/NA	Solid	7471A	
240-32984-8	SO-17303-123013-CT-104	Total/NA	Solid	7471A	
240-32984-9	SO-17303-123013-CT-105	Total/NA	Solid	7471A	
240-32984-10	SO-17303-123013-CT-106	Total/NA	Solid	7471A	
240-32984-11	SO-17303-123013-CT-107	Total/NA	Solid	7471A	
240-32984-12	SO-17303-123013-CT-108	Total/NA	Solid	7471A	
240-32984-13	SO-17303-123013-CT-109	Total/NA	Solid	7471A	
LCS 240-115786/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 240-115786/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 115945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-4	SO-17303-123013-CT-100	Total/NA	Solid	6020	115783
240-32984-4 MS	SO-17303-123013-CT-100	Total/NA	Solid	6020	115783
240-32984-4 MSD	SO-17303-123013-CT-100	Total/NA	Solid	6020	115783
240-32984-5	SO-17303-123013-CT-101	Total/NA	Solid	6020	115783
240-32984-6	SO-17303-123013-CT-102	Total/NA	Solid	6020	115783
240-32984-7	SO-17303-123013-CT-103	Total/NA	Solid	6020	115783
240-32984-8	SO-17303-123013-CT-104	Total/NA	Solid	6020	115783
240-32984-9	SO-17303-123013-CT-105	Total/NA	Solid	6020	115783
240-32984-10	SO-17303-123013-CT-106	Total/NA	Solid	6020	115783
240-32984-10	SO-17303-123013-CT-106	Total/NA	Solid	6020	115783
240-32984-11	SO-17303-123013-CT-107	Total/NA	Solid	6020	115783
240-32984-11	SO-17303-123013-CT-107	Total/NA	Solid	6020	115783
240-32984-12	SO-17303-123013-CT-108	Total/NA	Solid	6020	115783

Metals (Continued)

Analysis Batch: 115945 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-12	SO-17303-123013-CT-108	Total/NA	Solid	6020	115783
240-32984-13	SO-17303-123013-CT-109	Total/NA	Solid	6020	115783
240-32984-13	SO-17303-123013-CT-109	Total/NA	Solid	6020	115783
LCS 240-115783/3-A ^2	Lab Control Sample	Total/NA	Solid	6020	115783
MB 240-115783/1-A ^2	Method Blank	Total/NA	Solid	6020	115783

Analysis Batch: 115949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-4	SO-17303-123013-CT-100	Total/NA	Solid	6010B	115783
240-32984-4 MS	SO-17303-123013-CT-100	Total/NA	Solid	6010B	115783
240-32984-4 MSD	SO-17303-123013-CT-100	Total/NA	Solid	6010B	115783
240-32984-5	SO-17303-123013-CT-101	Total/NA	Solid	6010B	115783
240-32984-6	SO-17303-123013-CT-102	Total/NA	Solid	6010B	115783
240-32984-7	SO-17303-123013-CT-103	Total/NA	Solid	6010B	115783
240-32984-8	SO-17303-123013-CT-104	Total/NA	Solid	6010B	115783
240-32984-9	SO-17303-123013-CT-105	Total/NA	Solid	6010B	115783
240-32984-10	SO-17303-123013-CT-106	Total/NA	Solid	6010B	115783
240-32984-11	SO-17303-123013-CT-107	Total/NA	Solid	6010B	115783
240-32984-11	SO-17303-123013-CT-107	Total/NA	Solid	6010B	115783
240-32984-12	SO-17303-123013-CT-108	Total/NA	Solid	6010B	115783
240-32984-13	SO-17303-123013-CT-109	Total/NA	Solid	6010B	115783
LCS 240-115783/2-A	Lab Control Sample	Total/NA	Solid	6010B	115783
MB 240-115783/1-A	Method Blank	Total/NA	Solid	6010B	115783

Analysis Batch: 116033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-4	SO-17303-123013-CT-100	Total/NA	Solid	7471A	115786
240-32984-4 MS	SO-17303-123013-CT-100	Total/NA	Solid	7471A	115786
240-32984-4 MSD	SO-17303-123013-CT-100	Total/NA	Solid	7471A	115786
240-32984-5	SO-17303-123013-CT-101	Total/NA	Solid	7471A	115786
240-32984-6	SO-17303-123013-CT-102	Total/NA	Solid	7471A	115786
240-32984-7	SO-17303-123013-CT-103	Total/NA	Solid	7471A	115786
240-32984-8	SO-17303-123013-CT-104	Total/NA	Solid	7471A	115786
240-32984-9	SO-17303-123013-CT-105	Total/NA	Solid	7471A	115786
240-32984-10	SO-17303-123013-CT-106	Total/NA	Solid	7471A	115786
240-32984-11	SO-17303-123013-CT-107	Total/NA	Solid	7471A	115786
240-32984-12	SO-17303-123013-CT-108	Total/NA	Solid	7471A	115786
240-32984-13	SO-17303-123013-CT-109	Total/NA	Solid	7471A	115786
LCS 240-115786/2-A	Lab Control Sample	Total/NA	Solid	7471A	115786
MB 240-115786/1-A	Method Blank	Total/NA	Solid	7471A	115786

Analysis Batch: 116108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-4	SO-17303-123013-CT-100	Total/NA	Solid	6010B	115783
240-32984-4 MS	SO-17303-123013-CT-100	Total/NA	Solid	6010B	115783
240-32984-4 MSD	SO-17303-123013-CT-100	Total/NA	Solid	6010B	115783
240-32984-5	SO-17303-123013-CT-101	Total/NA	Solid	6010B	115783
240-32984-6	SO-17303-123013-CT-102	Total/NA	Solid	6010B	115783
240-32984-7	SO-17303-123013-CT-103	Total/NA	Solid	6010B	115783
240-32984-8	SO-17303-123013-CT-104	Total/NA	Solid	6010B	115783
240-32984-9	SO-17303-123013-CT-105	Total/NA	Solid	6010B	115783

Metals (Continued)

Analysis Batch: 116108 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-10	SO-17303-123013-CT-106	Total/NA	Solid	6010B	115783
240-32984-11	SO-17303-123013-CT-107	Total/NA	Solid	6010B	115783
240-32984-12	SO-17303-123013-CT-108	Total/NA	Solid	6010B	115783
240-32984-13	SO-17303-123013-CT-109	Total/NA	Solid	6010B	115783
LCS 240-115783/2-A	Lab Control Sample	Total/NA	Solid	6010B	115783
MB 240-115783/1-A	Method Blank	Total/NA	Solid	6010B	115783

General Chemistry

Analysis Batch: 115681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-1	SO-17303-122613-MA-005	Total/NA	Solid	Moisture	
240-32984-2	SO-17303-122613-MA-006	Total/NA	Solid	Moisture	
240-32984-3	SO-17303-122613-MA-007	Total/NA	Solid	Moisture	
240-32984-4	SO-17303-123013-CT-100	Total/NA	Solid	Moisture	
240-32984-5	SO-17303-123013-CT-101	Total/NA	Solid	Moisture	
240-32984-6	SO-17303-123013-CT-102	Total/NA	Solid	Moisture	
240-32984-7	SO-17303-123013-CT-103	Total/NA	Solid	Moisture	
240-32984-7 DU	SO-17303-123013-CT-103	Total/NA	Solid	Moisture	
240-32984-8	SO-17303-123013-CT-104	Total/NA	Solid	Moisture	
240-32984-9	SO-17303-123013-CT-105	Total/NA	Solid	Moisture	
240-32984-10	SO-17303-123013-CT-106	Total/NA	Solid	Moisture	
240-32984-11	SO-17303-123013-CT-107	Total/NA	Solid	Moisture	
240-32984-12	SO-17303-123013-CT-108	Total/NA	Solid	Moisture	
240-32984-13	SO-17303-123013-CT-109	Total/NA	Solid	Moisture	

Analysis Batch: 115742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-4	SO-17303-123013-CT-100	Total/NA	Solid	7196A	
240-32984-5	SO-17303-123013-CT-101	Total/NA	Solid	7196A	
240-32984-6	SO-17303-123013-CT-102	Total/NA	Solid	7196A	
240-32984-7	SO-17303-123013-CT-103	Total/NA	Solid	7196A	
240-32984-8	SO-17303-123013-CT-104	Total/NA	Solid	7196A	
240-32984-9	SO-17303-123013-CT-105	Total/NA	Solid	7196A	
240-32984-10	SO-17303-123013-CT-106	Total/NA	Solid	7196A	
240-32984-11	SO-17303-123013-CT-107	Total/NA	Solid	7196A	
240-32984-12	SO-17303-123013-CT-108	Total/NA	Solid	7196A	
240-32984-13	SO-17303-123013-CT-109	Total/NA	Solid	7196A	

Prep Batch: 116076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-4	SO-17303-123013-CT-100	Total/NA	Solid	3060A	
240-32984-5	SO-17303-123013-CT-101	Total/NA	Solid	3060A	
240-32984-6	SO-17303-123013-CT-102	Total/NA	Solid	3060A	
240-32984-7	SO-17303-123013-CT-103	Total/NA	Solid	3060A	
LCSI 240-116076/11-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 240-116076/10-A	Lab Control Sample	Total/NA	Solid	3060A	
MB 240-116076/9-A	Method Blank	Total/NA	Solid	3060A	

General Chemistry (Continued)

Analysis Batch: 116181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-4	SO-17303-123013-CT-100	Total/NA	Solid	7196A	116076
240-32984-5	SO-17303-123013-CT-101	Total/NA	Solid	7196A	116076
240-32984-6	SO-17303-123013-CT-102	Total/NA	Solid	7196A	116076
240-32984-7	SO-17303-123013-CT-103	Total/NA	Solid	7196A	116076
LCSI 240-116076/11-A	Lab Control Sample	Total/NA	Solid	7196A	116076
LCSS 240-116076/10-A	Lab Control Sample	Total/NA	Solid	7196A	116076
MB 240-116076/9-A	Method Blank	Total/NA	Solid	7196A	116076

Prep Batch: 116464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-8	SO-17303-123013-CT-104	Total/NA	Solid	3060A	
240-32984-9	SO-17303-123013-CT-105	Total/NA	Solid	3060A	
240-32984-10	SO-17303-123013-CT-106	Total/NA	Solid	3060A	
240-32984-11	SO-17303-123013-CT-107	Total/NA	Solid	3060A	
240-32984-12	SO-17303-123013-CT-108	Total/NA	Solid	3060A	
240-32984-13	SO-17303-123013-CT-109	Total/NA	Solid	3060A	
LCSI 240-116464/11-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSS 240-116464/10-A	Lab Control Sample	Total/NA	Solid	3060A	
MB 240-116464/9-A	Method Blank	Total/NA	Solid	3060A	

Analysis Batch: 116593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-32984-8	SO-17303-123013-CT-104	Total/NA	Solid	7196A	116464
240-32984-9	SO-17303-123013-CT-105	Total/NA	Solid	7196A	116464
240-32984-10	SO-17303-123013-CT-106	Total/NA	Solid	7196A	116464
240-32984-11	SO-17303-123013-CT-107	Total/NA	Solid	7196A	116464
240-32984-12	SO-17303-123013-CT-108	Total/NA	Solid	7196A	116464
240-32984-13	SO-17303-123013-CT-109	Total/NA	Solid	7196A	116464
LCSI 240-116464/11-A	Lab Control Sample	Total/NA	Solid	7196A	116464
LCSS 240-116464/10-A	Lab Control Sample	Total/NA	Solid	7196A	116464
MB 240-116464/9-A	Method Blank	Total/NA	Solid	7196A	116464

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

Lab Sample ID: MB 240-115848/1-A
Matrix: Solid
Analysis Batch: 115972

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115848

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	600	U	600	170	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Benzene	40	U	40	12	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Bromodichloromethane	80	U	80	9.9	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Bromoform	80	U	80	19	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Bromomethane	200	U	200	29	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
2-Butanone (MEK)	600	U	600	43	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Carbon disulfide	200	U	200	12	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Carbon tetrachloride	40	U	40	6.4	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Chlorobenzene	40	U	40	6.4	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Chloroethane	200	U	200	61	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Chloroform	40	U	40	8.8	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Chloromethane	200	U	200	14	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
1,1-Dichloroethane	40	U	40	17	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
1,2-Dichloroethane	40	U	40	10	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
1,1-Dichloroethene	40	U	40	18	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
1,2-Dichloropropane	40	U	40	8.2	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
cis-1,3-Dichloropropene	40	U	40	7.9	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
trans-1,3-Dichloropropene	40	U	40	20	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Ethylbenzene	40	U	40	5.4	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
2-Hexanone	2000	U	2000	20	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Methylene Chloride	200	U	200	77	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
4-Methyl-2-pentanone (MIBK)	2000	U	2000	48	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Styrene	40	U	40	5.6	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
1,1,2,2-Tetrachloroethane	40	U	40	8.9	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Tetrachloroethene	40	U	40	12	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Toluene	80	U	80	17	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Trichloroethene	40	U	40	9.7	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Vinyl chloride	32	U	32	18	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Xylenes, Total	18.9	J	120	6.2	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
1,1,1-Trichloroethane	40	U	40	21	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
1,1,2-Trichloroethane	40	U	40	12	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Cyclohexane	960	U	960	40	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
1,2-Dibromo-3-Chloropropane	200	U	200	50	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
1,2-Dibromoethane	200	U	200	10	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Dichlorodifluoromethane	80	U	80	16	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
cis-1,2-Dichloroethene	40	U	40	6.9	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
trans-1,2-Dichloroethene	40	U	40	9.2	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Isopropylbenzene	200	U	200	6.5	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Methyl acetate	960	U	960	25	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Methyl tert-butyl ether	200	U	200	7.1	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	200	U	200	39	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
1,2,4-Trichlorobenzene	200	U	200	7.3	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
1,2-Dichlorobenzene	80	U	80	8.6	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
1,3-Dichlorobenzene	80	U	80	4.8	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
1,4-Dichlorobenzene	80	U	80	8.0	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Trichlorofluoromethane	80	U	80	16	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Dibromochloromethane	40	U	40	12	ug/Kg		01/03/14 14:53	01/06/14 20:01	1
Methylcyclohexane	960	U	960	12	ug/Kg		01/03/14 14:53	01/06/14 20:01	1

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

Lab Sample ID: MB 240-115848/1-A
Matrix: Solid
Analysis Batch: 115972

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115848

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		39 - 128	01/03/14 14:53	01/06/14 20:01	1
4-Bromofluorobenzene (Surr)	94		26 - 141	01/03/14 14:53	01/06/14 20:01	1
Toluene-d8 (Surr)	98		33 - 134	01/03/14 14:53	01/06/14 20:01	1
Dibromofluoromethane (Surr)	91		30 - 122	01/03/14 14:53	01/06/14 20:01	1

Lab Sample ID: LCS 240-115848/2-A
Matrix: Solid
Analysis Batch: 115972

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115848

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	2000	2880		ug/Kg		144	16 - 156
Benzene	1000	1080		ug/Kg		108	70 - 117
Bromodichloromethane	1000	904		ug/Kg		90	28 - 123
Bromoform	1000	546		ug/Kg		55	10 - 117
Bromomethane	1000	1570	*	ug/Kg		157	10 - 114
2-Butanone (MEK)	2000	2720		ug/Kg		136	10 - 199
Carbon disulfide	1000	1480	*	ug/Kg		148	10 - 132
Carbon tetrachloride	1000	863		ug/Kg		86	29 - 118
Chlorobenzene	1000	1030		ug/Kg		103	71 - 116
Chloroethane	1000	1620	*	ug/Kg		162	10 - 120
Chloroform	1000	1050		ug/Kg		105	63 - 116
Chloromethane	1000	979		ug/Kg		98	25 - 110
1,1-Dichloroethane	1000	1200	*	ug/Kg		120	63 - 117
1,2-Dichloroethane	1000	1140		ug/Kg		114	68 - 119
1,1-Dichloroethene	1000	1420		ug/Kg		142	44 - 143
1,2-Dichloropropane	1000	1150	*	ug/Kg		115	73 - 113
cis-1,3-Dichloropropene	1000	921		ug/Kg		92	25 - 120
trans-1,3-Dichloropropene	1000	952		ug/Kg		95	22 - 122
Ethylbenzene	1000	1090		ug/Kg		109	66 - 119
2-Hexanone	2000	2850	*	ug/Kg		143	43 - 130
Methylene Chloride	1000	1520		ug/Kg		152	27 - 172
4-Methyl-2-pentanone (MIBK)	2000	2550	*	ug/Kg		127	49 - 121
Styrene	1000	1110		ug/Kg		111	60 - 120
1,1,2,2-Tetrachloroethane	1000	1210		ug/Kg		121	54 - 121
Tetrachloroethene	1000	866		ug/Kg		87	58 - 131
Toluene	1000	1130		ug/Kg		113	66 - 123
Trichloroethene	1000	948		ug/Kg		95	59 - 124
Vinyl chloride	1000	1020		ug/Kg		102	33 - 110
Xylenes, Total	2000	2240		ug/Kg		112	68 - 119
1,1,1-Trichloroethane	1000	925		ug/Kg		92	38 - 122
1,1,2-Trichloroethane	1000	1090		ug/Kg		109	74 - 114
Cyclohexane	1000	987		ug/Kg		99	40 - 120
1,2-Dibromo-3-Chloropropane	1000	631		ug/Kg		63	10 - 129
1,2-Dibromoethane	1000	960		ug/Kg		96	47 - 123
Dichlorodifluoromethane	1000	653		ug/Kg		65	10 - 110
cis-1,2-Dichloroethene	1000	1120		ug/Kg		112	60 - 125
trans-1,2-Dichloroethene	1000	1270	*	ug/Kg		127	58 - 121
Isopropylbenzene	1000	1120		ug/Kg		112	61 - 123

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

Lab Sample ID: LCS 240-115848/2-A
Matrix: Solid
Analysis Batch: 115972

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115848

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl acetate	5000	8350		ug/Kg		167	44 - 173
Methyl tert-butyl ether	1000	1440		ug/Kg		144	34 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	1000	1320		ug/Kg		132	48 - 151
1,2,4-Trichlorobenzene	1000	857		ug/Kg		86	41 - 135
1,2-Dichlorobenzene	1000	1010		ug/Kg		101	68 - 118
1,3-Dichlorobenzene	1000	989		ug/Kg		99	66 - 121
1,4-Dichlorobenzene	1000	991		ug/Kg		99	65 - 119
Trichlorofluoromethane	1000	1350		ug/Kg		135	17 - 145
Dibromochloromethane	1000	629		ug/Kg		63	22 - 113
Methylcyclohexane	1000	957	J	ug/Kg		96	41 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*39 - 128*
4-Bromofluorobenzene (Surr)	*107*		*26 - 141*
Toluene-d8 (Surr)	*102*		*33 - 134*
Dibromofluoromethane (Surr)	*96*		*30 - 122*

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

Lab Sample ID: MB 240-115647/13-A
Matrix: Solid
Analysis Batch: 115880

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115647

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	260	U	260	3.5	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
2,2'-oxybis[1-chloropropane]	260	U	260	9.5	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
2,4,5-Trichlorophenol	260	U	260	25	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
2,4,6-Trichlorophenol	260	U	260	8.9	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
2,4-Dichlorophenol	260	U	260	20	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
2,4-Dimethylphenol	260	U	260	20	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
2,4-Dinitrophenol	150	U	150	21	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
2,4-Dinitrotoluene	260	U	260	17	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
2,6-Dinitrotoluene	260	U	260	21	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
2-Chloronaphthalene	260	U	260	0.45	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
2-Chlorophenol	260	U	260	8.2	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
2-Methylnaphthalene	260	U	260	0.50	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
2-Methylphenol	260	U	260	11	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
2-Nitroaniline	200	U	200	9.1	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
2-Nitrophenol	260	U	260	8.3	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
3,3'-Dichlorobenzidine	260	U	260	18	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
3-Nitroaniline	200	U	200	16	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
4,6-Dinitro-2-methylphenol	200	U	200	9.2	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
4-Bromophenyl phenyl ether	150	U	150	13	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
4-Chloro-3-methylphenol	260	U	260	21	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
4-Chloroaniline	260	U	260	17	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
4-Chlorophenyl phenyl ether	200	U	200	13	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
4-Nitroaniline	200	U	200	26	ug/Kg		01/02/14 08:34	01/06/14 08:25	1

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

Lab Sample ID: MB 240-115647/13-A
Matrix: Solid
Analysis Batch: 115880

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115647

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	330	U	330	17	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Acenaphthene	260	U	260	0.76	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Acenaphthylene	260	U	260	0.35	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Acetophenone	260	U	260	9.2	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Anthracene	260	U	260	0.78	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Atrazine	40	U	40	9.1	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Benzaldehyde	260	U	260	12	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Benzo[a]anthracene	260	U	260	0.63	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Benzo[a]pyrene	260	U	260	0.64	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Benzo[b]fluoranthene	260	U	260	0.59	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Benzo[g,h,i]perylene	260	U	260	0.35	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Benzo[k]fluoranthene	260	U	260	0.68	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Bis(2-chloroethoxy)methane	260	U	260	22	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Bis(2-chloroethyl)ether	80	U	80	2.0	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Bis(2-ethylhexyl) phthalate	29.2	J	260	19	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Butyl benzyl phthalate	260	U	260	10	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Caprolactam	260	U	260	37	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Carbazole	260	U	260	27	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Chrysene	260	U	260	1.1	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Dibenz(a,h)anthracene	260	U	260	0.66	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Dibenzofuran	260	U	260	0.66	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Diethyl phthalate	260	U	260	16	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Dimethyl phthalate	260	U	260	17	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Di-n-butyl phthalate	27.5	J	260	15	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Di-n-octyl phthalate	260	U	260	7.9	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Fluoranthene	260	U	260	0.55	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Fluorene	260	U	260	0.53	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Hexachlorobenzene	260	U	260	2.1	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Hexachlorobutadiene	40	U	40	5.6	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Hexachlorocyclopentadiene	260	U	260	8.1	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Hexachloroethane	260	U	260	9.0	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Indeno[1,2,3-cd]pyrene	260	U	260	0.35	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Isophorone	260	U	260	13	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Naphthalene	260	U	260	0.82	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Nitrobenzene	260	U	260	2.2	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
N-Nitrosodi-n-propylamine	260	U	260	6.3	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
N-Nitrosodiphenylamine	260	U	260	21	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Pentachlorophenol	150	U	150	9.1	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Phenol	260	U	260	7.3	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Phenanthrene	260	U	260	0.73	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
Pyrene	260	U	260	0.44	ug/Kg		01/02/14 08:34	01/06/14 08:25	1
3 & 4 Methylphenol	260	U	260	20	ug/Kg		01/02/14 08:34	01/06/14 08:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*71*		*24 - 110*	*01/02/14 08:34*	*01/06/14 08:25*	*1*
2-Fluorophenol (Surr)	*60*		*24 - 110*	*01/02/14 08:34*	*01/06/14 08:25*	*1*
2,4,6-Tribromophenol (Surr)	*42*		*10 - 110*	*01/02/14 08:34*	*01/06/14 08:25*	*1*
Nitrobenzene-d5 (Surr)	*69*		*20 - 110*	*01/02/14 08:34*	*01/06/14 08:25*	*1*

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

Lab Sample ID: MB 240-115647/13-A
Matrix: Solid
Analysis Batch: 115880

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115647

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	70		26 - 110	01/02/14 08:34	01/06/14 08:25	1
Terphenyl-d14 (Surr)	91		36 - 110	01/02/14 08:34	01/06/14 08:25	1

Lab Sample ID: LCS 240-115647/14-A
Matrix: Solid
Analysis Batch: 115880

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115647

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	667	433		ug/Kg		65	35 - 110
2,2'-oxybis[1-chloropropane]	667	466		ug/Kg		70	29 - 110
2,4,5-Trichlorophenol	667	474		ug/Kg		71	25 - 110
2,4,6-Trichlorophenol	667	444		ug/Kg		67	12 - 110
2,4-Dichlorophenol	667	465		ug/Kg		70	39 - 110
2,4-Dimethylphenol	667	259	J	ug/Kg		39	29 - 110
2,4-Dinitrophenol	1330	578		ug/Kg		43	10 - 110
2,4-Dinitrotoluene	667	529		ug/Kg		79	48 - 110
2,6-Dinitrotoluene	667	502		ug/Kg		75	45 - 110
2-Chloronaphthalene	667	439		ug/Kg		66	32 - 110
2-Chlorophenol	667	459		ug/Kg		69	37 - 110
2-Methylnaphthalene	667	450		ug/Kg		67	36 - 110
2-Methylphenol	667	421		ug/Kg		63	41 - 110
2-Nitroaniline	667	485		ug/Kg		73	45 - 110
2-Nitrophenol	667	477		ug/Kg		72	34 - 110
3,3'-Dichlorobenzidine	1330	769		ug/Kg		58	28 - 110
3-Nitroaniline	667	452		ug/Kg		68	44 - 110
4,6-Dinitro-2-methylphenol	1330	692		ug/Kg		52	10 - 110
4-Bromophenyl phenyl ether	667	477		ug/Kg		71	39 - 110
4-Chloro-3-methylphenol	667	503		ug/Kg		75	48 - 110
4-Chloroaniline	667	356		ug/Kg		53	30 - 110
4-Chlorophenyl phenyl ether	667	473		ug/Kg		71	40 - 110
4-Nitroaniline	667	527		ug/Kg		79	48 - 110
4-Nitrophenol	1330	996		ug/Kg		75	28 - 110
Acenaphthene	667	459		ug/Kg		69	38 - 110
Acenaphthylene	667	436		ug/Kg		65	40 - 110
Acetophenone	667	451		ug/Kg		68	40 - 110
Anthracene	667	497		ug/Kg		75	48 - 110
Atrazine	1330	1050		ug/Kg		79	66 - 127
Benzaldehyde	1330	885		ug/Kg		66	32 - 110
Benzo[a]anthracene	667	486		ug/Kg		73	50 - 110
Benzo[a]pyrene	667	461		ug/Kg		69	44 - 110
Benzo[b]fluoranthene	667	505		ug/Kg		76	43 - 110
Benzo[g,h,i]perylene	667	447		ug/Kg		67	51 - 110
Benzo[k]fluoranthene	667	495		ug/Kg		74	38 - 105
Bis(2-chloroethoxy)methane	667	458		ug/Kg		69	32 - 110
Bis(2-chloroethyl)ether	667	439		ug/Kg		66	34 - 110
Bis(2-ethylhexyl) phthalate	667	599		ug/Kg		90	50 - 110
Butyl benzyl phthalate	667	544		ug/Kg		82	51 - 110
Caprolactam	1330	1150		ug/Kg		86	44 - 114

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

Lab Sample ID: LCS 240-115647/14-A
Matrix: Solid
Analysis Batch: 115880

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115647

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbazole	667	506		ug/Kg		76	50 - 110
Chrysene	667	480		ug/Kg		72	50 - 110
Dibenz(a,h)anthracene	667	458		ug/Kg		69	51 - 110
Dibenzofuran	667	449		ug/Kg		67	43 - 110
Diethyl phthalate	667	504		ug/Kg		76	52 - 110
Dimethyl phthalate	667	485		ug/Kg		73	50 - 110
Di-n-butyl phthalate	667	585		ug/Kg		88	51 - 110
Di-n-octyl phthalate	667	503		ug/Kg		76	48 - 110
Fluoranthene	667	514		ug/Kg		77	51 - 110
Fluorene	667	470		ug/Kg		71	46 - 110
Hexachlorobenzene	667	473		ug/Kg		71	43 - 110
Hexachlorobutadiene	667	433		ug/Kg		65	29 - 110
Hexachlorocyclopentadiene	667	265		ug/Kg		40	12 - 110
Hexachloroethane	667	449		ug/Kg		67	30 - 110
Indeno[1,2,3-cd]pyrene	667	459		ug/Kg		69	50 - 110
Isophorone	667	450		ug/Kg		68	36 - 110
Naphthalene	667	440		ug/Kg		66	36 - 110
Nitrobenzene	667	440		ug/Kg		66	32 - 110
N-Nitrosodi-n-propylamine	667	454		ug/Kg		68	38 - 110
N-Nitrosodiphenylamine	1330	953		ug/Kg		71	46 - 110
Pentachlorophenol	1330	735		ug/Kg		55	10 - 110
Phenol	667	477		ug/Kg		72	38 - 110
Phenanthrene	667	478		ug/Kg		72	49 - 110
Pyrene	667	481		ug/Kg		72	49 - 110
3 & 4 Methylphenol	667	465		ug/Kg		70	40 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*63*		*24 - 110*
2-Fluorophenol (Surr)	*68*		*24 - 110*
2,4,6-Tribromophenol (Surr)	*59*		*10 - 110*
Nitrobenzene-d5 (Surr)	*63*		*20 - 110*
Phenol-d5 (Surr)	*69*		*26 - 110*
Terphenyl-d14 (Surr)	*80*		*36 - 110*

Lab Sample ID: 240-32984-7 MS
Matrix: Solid
Analysis Batch: 115880

Client Sample ID: SO-17303-123013-CT-103
Prep Type: Total/NA
Prep Batch: 115647

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	1100	U	703	511	J	ug/Kg	☼	73	32 - 110
2,2'-oxybis[1-chloropropane]	1100	U	703	527	J	ug/Kg	☼	75	11 - 110
2,4,5-Trichlorophenol	1100	U	703	578	J	ug/Kg	☼	82	10 - 117
2,4,6-Trichlorophenol	1100	U	703	555	J	ug/Kg	☼	79	10 - 110
2,4-Dichlorophenol	1100	U	703	558	J	ug/Kg	☼	79	10 - 110
2,4-Dimethylphenol	1100	U	703	545	J	ug/Kg	☼	77	10 - 110
2,4-Dinitrophenol	630	U	1410	1340		ug/Kg	☼	95	10 - 110
2,4-Dinitrotoluene	1100	U	703	565	J	ug/Kg	☼	80	32 - 110
2,6-Dinitrotoluene	1100	U	703	531	J	ug/Kg	☼	75	35 - 110

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

Lab Sample ID: 240-32984-7 MS
Matrix: Solid
Analysis Batch: 115880

Client Sample ID: SO-17303-123013-CT-103
Prep Type: Total/NA
Prep Batch: 115647

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	1100	U	703	511	J	ug/Kg	☼	73	28 - 110
2-Chlorophenol	1100	U	703	548	J	ug/Kg	☼	78	10 - 110
2-Methylnaphthalene	44	J	703	555	J	ug/Kg	☼	73	10 - 133
2-Methylphenol	1100	U	703	554	J	ug/Kg	☼	79	24 - 110
2-Nitroaniline	840	U	703	519	J	ug/Kg	☼	74	39 - 110
2-Nitrophenol	1100	U	703	534	J	ug/Kg	☼	76	10 - 110
3,3'-Dichlorobenzidine	1100	U	1410	331	J	ug/Kg	☼	24	10 - 110
3-Nitroaniline	840	U	703	158	J	ug/Kg	☼	22	10 - 110
4,6-Dinitro-2-methylphenol	840	U	1410	873		ug/Kg	☼	62	10 - 110
4-Bromophenyl phenyl ether	630	U	703	527	J	ug/Kg	☼	75	33 - 110
4-Chloro-3-methylphenol	1100	U	703	593	J	ug/Kg	☼	84	25 - 110
4-Chloroaniline	1100	U	703	189	J	ug/Kg	☼	27	10 - 110
4-Chlorophenyl phenyl ether	840	U	703	526	J	ug/Kg	☼	75	32 - 110
4-Nitroaniline	840	U	703	250	J	ug/Kg	☼	35	10 - 110
4-Nitrophenol	1400	U	1410	1190	J	ug/Kg	☼	85	10 - 113
Acenaphthene	1100	U	703	536	J	ug/Kg	☼	76	22 - 110
Acenaphthylene	1100	U	703	512	J	ug/Kg	☼	73	24 - 110
Acetophenone	1100	U	703	537	J	ug/Kg	☼	76	31 - 110
Anthracene	21	J	703	538	J	ug/Kg	☼	74	20 - 110
Atrazine	170	U	1410	1110		ug/Kg	☼	79	45 - 118
Benzaldehyde	63	J	1410	1060	J	ug/Kg	☼	71	23 - 110
Benzo[a]anthracene	110	J	703	590	J	ug/Kg	☼	68	10 - 122
Benzo[a]pyrene	140	J	703	549	J	ug/Kg	☼	59	10 - 110
Benzo[b]fluoranthene	190	J	703	694	J	ug/Kg	☼	71	12 - 118
Benzo[g,h,i]perylene	99	J	703	472	J	ug/Kg	☼	53	10 - 117
Benzo[k]fluoranthene	72	J	703	534	J	ug/Kg	☼	66	10 - 121
Bis(2-chloroethoxy)methane	1100	U	703	542	J	ug/Kg	☼	77	26 - 110
Bis(2-chloroethyl)ether	340	U	703	499		ug/Kg	☼	71	21 - 110
Bis(2-ethylhexyl) phthalate	1100	U	703	713	J	ug/Kg	☼	101	40 - 110
Butyl benzyl phthalate	1100	U	703	617	J	ug/Kg	☼	88	44 - 110
Caprolactam	1100	U	1410	1280		ug/Kg	☼	91	10 - 134
Carbazole	1100	U	703	559	J	ug/Kg	☼	79	34 - 110
Chrysene	140	J	703	603	J	ug/Kg	☼	66	10 - 125
Dibenz(a,h)anthracene	1100	U	703	434	J	ug/Kg	☼	62	14 - 113
Dibenzofuran	1100	U	703	532	J	ug/Kg	☼	76	29 - 110
Diethyl phthalate	1100	U	703	554	J	ug/Kg	☼	79	42 - 110
Dimethyl phthalate	1100	U	703	541	J	ug/Kg	☼	77	41 - 110
Di-n-butyl phthalate	1100	B	703	1380	F1	ug/Kg	☼	41	43 - 110
Di-n-octyl phthalate	1100	U	703	637	J	ug/Kg	☼	91	24 - 119
Fluoranthene	250	J	703	725	J	ug/Kg	☼	67	10 - 110
Fluorene	1100	U	703	562	J	ug/Kg	☼	80	23 - 110
Hexachlorobenzene	1100	U	703	509	J	ug/Kg	☼	72	34 - 110
Hexachlorobutadiene	170	U	703	501		ug/Kg	☼	71	25 - 110
Hexachlorocyclopentadiene	1100	U	703	281	J	ug/Kg	☼	40	10 - 110
Hexachloroethane	1100	U	703	493	J	ug/Kg	☼	70	12 - 110
Indeno[1,2,3-cd]pyrene	100	J	703	471	J	ug/Kg	☼	53	10 - 114
Isophorone	1100	U	703	522	J	ug/Kg	☼	74	29 - 110
Naphthalene	25	J	703	545	J	ug/Kg	☼	74	10 - 111

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

Lab Sample ID: 240-32984-7 MS — **Client Sample ID: SO-17303-123013-CT-103**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 115880 — **Prep Batch: 115647**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrobenzene	1100	U	703	510	J	ug/Kg	☼	73	23 - 110
N-Nitrosodi-n-propylamine	1100	U	703	524	J	ug/Kg	☼	75	26 - 110
N-Nitrosodiphenylamine	1100	U	1410	1090	J	ug/Kg	☼	77	22 - 110
Pentachlorophenol	630	U	1410	936		ug/Kg	☼	67	10 - 110
Phenol	1100	U	703	558	J	ug/Kg	☼	79	17 - 110
Phenanthrene	150	J	703	625	J	ug/Kg	☼	67	10 - 166
Pyrene	200	J	703	632	J	ug/Kg	☼	61	10 - 147
3 & 4 Methylphenol	1100	U	703	571	J	ug/Kg	☼	81	25 - 110

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*68*		*24 - 110*
2-Fluorophenol (Surr)	*76*		*24 - 110*
2,4,6-Tribromophenol (Surr)	*72*		*10 - 110*
Nitrobenzene-d5 (Surr)	*67*		*20 - 110*
Phenol-d5 (Surr)	*77*		*26 - 110*
Terphenyl-d14 (Surr)	*77*		*36 - 110*

Lab Sample ID: 240-32984-7 MSD — **Client Sample ID: SO-17303-123013-CT-103**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 115880 — **Prep Batch: 115647**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	1100	U	702	507	J	ug/Kg	☼	72	32 - 110	1	32
2,2'-oxybis[1-chloropropane]	1100	U	702	505	J	ug/Kg	☼	72	11 - 110	4	42
2,4,5-Trichlorophenol	1100	U	702	546	J	ug/Kg	☼	78	10 - 117	6	99
2,4,6-Trichlorophenol	1100	U	702	553	J	ug/Kg	☼	79	10 - 110	0	38
2,4-Dichlorophenol	1100	U	702	533	J	ug/Kg	☼	76	10 - 110	5	34
2,4-Dimethylphenol	1100	U	702	559	J	ug/Kg	☼	80	10 - 110	3	31
2,4-Dinitrophenol	630	U	1400	1310		ug/Kg	☼	94	10 - 110	2	99
2,4-Dinitrotoluene	1100	U	702	538	J	ug/Kg	☼	77	32 - 110	5	30
2,6-Dinitrotoluene	1100	U	702	538	J	ug/Kg	☼	77	35 - 110	1	30
2-Chloronaphthalene	1100	U	702	498	J	ug/Kg	☼	71	28 - 110	3	30
2-Chlorophenol	1100	U	702	519	J	ug/Kg	☼	74	10 - 110	5	47
2-Methylnaphthalene	44	J	702	561	J	ug/Kg	☼	74	10 - 133	1	42
2-Methylphenol	1100	U	702	548	J	ug/Kg	☼	78	24 - 110	1	51
2-Nitroaniline	840	U	702	512	J	ug/Kg	☼	73	39 - 110	1	31
2-Nitrophenol	1100	U	702	522	J	ug/Kg	☼	74	10 - 110	2	49
3,3'-Dichlorobenzidine	1100	U	1400	284	J	ug/Kg	☼	20	10 - 110	15	56
3-Nitroaniline	840	U	702	90.7	J F2	ug/Kg	☼	13	10 - 110	54	30
4,6-Dinitro-2-methylphenol	840	U	1400	836	J	ug/Kg	☼	60	10 - 110	4	55
4-Bromophenyl phenyl ether	630	U	702	500	J	ug/Kg	☼	71	33 - 110	5	30
4-Chloro-3-methylphenol	1100	U	702	584	J	ug/Kg	☼	83	25 - 110	2	54
4-Chloroaniline	1100	U	702	132	J	ug/Kg	☼	19	10 - 110	36	36
4-Chlorophenyl phenyl ether	840	U	702	516	J	ug/Kg	☼	74	32 - 110	2	30
4-Nitroaniline	840	U	702	190	J	ug/Kg	☼	27	10 - 110	27	48
4-Nitrophenol	1400	U	1400	1150	J	ug/Kg	☼	82	10 - 113	3	49
Acenaphthene	1100	U	702	518	J	ug/Kg	☼	74	22 - 110	4	99
Acenaphthylene	1100	U	702	510	J	ug/Kg	☼	73	24 - 110	0	99

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

Lab Sample ID: 240-32984-7 MSD
Matrix: Solid
Analysis Batch: 115880

Client Sample ID: SO-17303-123013-CT-103
Prep Type: Total/NA
Prep Batch: 115647

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetophenone	1100	U	702	518	J	ug/Kg	☼	74	31 - 110	4	43
Anthracene	21	J	702	551	J	ug/Kg	☼	75	20 - 110	2	99
Atrazine	170	U	1400	1110		ug/Kg	☼	79	45 - 118	0	30
Benzaldehyde	63	J	1400	985	J	ug/Kg	☼	66	23 - 110	8	42
Benzo[a]anthracene	110	J	702	621	J	ug/Kg	☼	72	10 - 122	5	99
Benzo[a]pyrene	140	J	702	605	J	ug/Kg	☼	67	10 - 110	10	99
Benzo[b]fluoranthene	190	J	702	734	J	ug/Kg	☼	77	12 - 118	6	99
Benzo[g,h,i]perylene	99	J	702	438	J	ug/Kg	☼	48	10 - 117	7	99
Benzo[k]fluoranthene	72	J	702	600	J	ug/Kg	☼	75	10 - 121	12	99
Bis(2-chloroethoxy)methane	1100	U	702	520	J	ug/Kg	☼	74	26 - 110	4	37
Bis(2-chloroethyl)ether	340	U	702	510		ug/Kg	☼	73	21 - 110	2	55
Bis(2-ethylhexyl) phthalate	1100	U	702	663	J	ug/Kg	☼	94	40 - 110	7	30
Butyl benzyl phthalate	1100	U	702	562	J	ug/Kg	☼	80	44 - 110	9	30
Caprolactam	1100	U	1400	1260		ug/Kg	☼	89	10 - 134	2	32
Carbazole	1100	U	702	541	J	ug/Kg	☼	77	34 - 110	3	30
Chrysene	140	J	702	626	J	ug/Kg	☼	69	10 - 125	4	99
Dibenz(a,h)anthracene	1100	U	702	410	J	ug/Kg	☼	58	14 - 113	6	99
Dibenzofuran	1100	U	702	519	J	ug/Kg	☼	74	29 - 110	2	30
Diethyl phthalate	1100	U	702	547	J	ug/Kg	☼	78	42 - 110	1	30
Dimethyl phthalate	1100	U	702	556	J	ug/Kg	☼	79	41 - 110	3	30
Di-n-butyl phthalate	1100	B	702	1440		ug/Kg	☼	49	43 - 110	4	30
Di-n-octyl phthalate	1100	U	702	636	J	ug/Kg	☼	91	24 - 119	0	30
Fluoranthene	250	J	702	817	J	ug/Kg	☼	80	10 - 110	12	99
Fluorene	1100	U	702	550	J	ug/Kg	☼	78	23 - 110	2	99
Hexachlorobenzene	1100	U	702	489	J	ug/Kg	☼	70	34 - 110	4	30
Hexachlorobutadiene	170	U	702	476		ug/Kg	☼	68	25 - 110	5	34
Hexachlorocyclopentadiene	1100	U	702	245	J	ug/Kg	☼	35	10 - 110	14	79
Hexachloroethane	1100	U	702	460	J	ug/Kg	☼	65	12 - 110	7	50
Indeno[1,2,3-cd]pyrene	100	J	702	459	J	ug/Kg	☼	51	10 - 114	2	99
Isophorone	1100	U	702	496	J	ug/Kg	☼	71	29 - 110	5	38
Naphthalene	25	J	702	521	J	ug/Kg	☼	71	10 - 111	5	99
Nitrobenzene	1100	U	702	488	J	ug/Kg	☼	70	23 - 110	4	41
N-Nitrosodi-n-propylamine	1100	U	702	535	J	ug/Kg	☼	76	26 - 110	2	42
N-Nitrosodiphenylamine	1100	U	1400	1020	J	ug/Kg	☼	72	22 - 110	7	30
Pentachlorophenol	630	U	1400	989		ug/Kg	☼	70	10 - 110	6	50
Phenol	1100	U	702	527	J	ug/Kg	☼	75	17 - 110	6	53
Phenanthrene	150	J	702	653	J	ug/Kg	☼	71	10 - 166	4	99
Pyrene	200	J	702	689	J	ug/Kg	☼	69	10 - 147	9	99
3 & 4 Methylphenol	1100	U	702	544	J	ug/Kg	☼	78	25 - 110	5	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*66*		*24 - 110*
2-Fluorophenol (Surr)	*71*		*24 - 110*
2,4,6-Tribromophenol (Surr)	*75*		*10 - 110*
Nitrobenzene-d5 (Surr)	*62*		*20 - 110*
Phenol-d5 (Surr)	*71*		*26 - 110*
Terphenyl-d14 (Surr)	*77*		*36 - 110*

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

Lab Sample ID: MB 240-115771/4-A
Matrix: Solid
Analysis Batch: 116013

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115771

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	260	U	260	3.5	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
2,2'-oxybis[1-chloropropane]	260	U	260	9.5	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
2,4,5-Trichlorophenol	260	U	260	25	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
2,4,6-Trichlorophenol	260	U	260	8.9	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
2,4-Dichlorophenol	260	U	260	20	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
2,4-Dimethylphenol	260	U	260	20	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
2,4-Dinitrophenol	150	U	150	21	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
2,4-Dinitrotoluene	260	U	260	17	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
2,6-Dinitrotoluene	260	U	260	21	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
2-Chloronaphthalene	260	U	260	0.45	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
2-Chlorophenol	260	U	260	8.2	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
2-Methylnaphthalene	260	U	260	0.50	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
2-Methylphenol	260	U	260	11	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
2-Nitroaniline	200	U	200	9.1	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
2-Nitrophenol	260	U	260	8.3	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
3,3'-Dichlorobenzidine	260	U	260	18	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
3-Nitroaniline	200	U	200	16	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
4,6-Dinitro-2-methylphenol	200	U	200	9.2	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
4-Bromophenyl phenyl ether	150	U	150	13	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
4-Chloro-3-methylphenol	260	U	260	21	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
4-Chloroaniline	260	U	260	17	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
4-Chlorophenyl phenyl ether	200	U	200	13	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
4-Nitroaniline	200	U	200	26	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
4-Nitrophenol	330	U	330	17	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Acenaphthene	260	U	260	0.76	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Acenaphthylene	260	U	260	0.35	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Acetophenone	260	U	260	9.2	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Anthracene	260	U	260	0.78	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Atrazine	40	U	40	9.1	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Benzaldehyde	260	U	260	12	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Benzo[a]anthracene	260	U	260	0.63	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Benzo[a]pyrene	260	U	260	0.64	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Benzo[b]fluoranthene	260	U	260	0.59	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Benzo[g,h,i]perylene	260	U	260	0.35	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Benzo[k]fluoranthene	260	U	260	0.68	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Bis(2-chloroethoxy)methane	260	U	260	22	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Bis(2-chloroethyl)ether	80	U	80	2.0	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Bis(2-ethylhexyl) phthalate	260	U	260	19	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Butyl benzyl phthalate	260	U	260	10	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Caprolactam	260	U	260	37	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Carbazole	260	U	260	27	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Chrysene	260	U	260	1.1	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Dibenz(a,h)anthracene	260	U	260	0.66	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Dibenzofuran	260	U	260	0.66	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Diethyl phthalate	260	U	260	16	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Dimethyl phthalate	260	U	260	17	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Di-n-butyl phthalate	22.0	J	260	15	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Di-n-octyl phthalate	260	U	260	7.9	ug/Kg		01/03/14 08:05	01/07/14 11:29	1

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

Lab Sample ID: MB 240-115771/4-A
Matrix: Solid
Analysis Batch: 116013

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115771

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	260	U	260	0.55	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Fluorene	260	U	260	0.53	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Hexachlorobenzene	260	U	260	2.1	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Hexachlorobutadiene	40	U	40	5.6	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Hexachlorocyclopentadiene	260	U	260	8.1	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Hexachloroethane	260	U	260	9.0	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Indeno[1,2,3-cd]pyrene	260	U	260	0.35	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Isophorone	260	U	260	13	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Naphthalene	260	U	260	0.82	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Nitrobenzene	260	U	260	2.2	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
N-Nitrosodi-n-propylamine	260	U	260	6.3	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
N-Nitrosodiphenylamine	260	U	260	21	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Pentachlorophenol	150	U	150	9.1	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Phenol	260	U	260	7.3	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Phenanthrene	260	U	260	0.73	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
Pyrene	260	U	260	0.44	ug/Kg		01/03/14 08:05	01/07/14 11:29	1
3 & 4 Methylphenol	260	U	260	20	ug/Kg		01/03/14 08:05	01/07/14 11:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*68*		*24 - 110*	*01/03/14 08:05*	*01/07/14 11:29*	*1*
2-Fluorophenol (Surr)	*53*		*24 - 110*	*01/03/14 08:05*	*01/07/14 11:29*	*1*
2,4,6-Tribromophenol (Surr)	*21*		*10 - 110*	*01/03/14 08:05*	*01/07/14 11:29*	*1*
Nitrobenzene-d5 (Surr)	*71*		*20 - 110*	*01/03/14 08:05*	*01/07/14 11:29*	*1*
Phenol-d5 (Surr)	*66*		*26 - 110*	*01/03/14 08:05*	*01/07/14 11:29*	*1*
Terphenyl-d14 (Surr)	*98*		*36 - 110*	*01/03/14 08:05*	*01/07/14 11:29*	*1*

Lab Sample ID: LCS 240-115771/5-A
Matrix: Solid
Analysis Batch: 116013

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115771

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	667	424		ug/Kg		64	35 - 110
2,2'-oxybis[1-chloropropane]	667	456		ug/Kg		68	29 - 110
2,4,5-Trichlorophenol	667	409		ug/Kg		61	25 - 110
2,4,6-Trichlorophenol	667	302		ug/Kg		45	12 - 110
2,4-Dichlorophenol	667	450		ug/Kg		68	39 - 110
2,4-Dimethylphenol	667	302		ug/Kg		45	29 - 110
2,4-Dinitrophenol	1330	396		ug/Kg		30	10 - 110
2,4-Dinitrotoluene	667	466		ug/Kg		70	48 - 110
2,6-Dinitrotoluene	667	450		ug/Kg		68	45 - 110
2-Chloronaphthalene	667	426		ug/Kg		64	32 - 110
2-Chlorophenol	667	441		ug/Kg		66	37 - 110
2-Methylnaphthalene	667	454		ug/Kg		68	36 - 110
2-Methylphenol	667	414		ug/Kg		62	41 - 110
2-Nitroaniline	667	455		ug/Kg		68	45 - 110
2-Nitrophenol	667	449		ug/Kg		67	34 - 110
3,3'-Dichlorobenzidine	1330	1020		ug/Kg		76	28 - 110
3-Nitroaniline	667	428		ug/Kg		64	44 - 110

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

Lab Sample ID: LCS 240-115771/5-A
Matrix: Solid
Analysis Batch: 116013

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115771

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,6-Dinitro-2-methylphenol	1330	697		ug/Kg		52	10 - 110
4-Bromophenyl phenyl ether	667	471		ug/Kg		71	39 - 110
4-Chloro-3-methylphenol	667	457		ug/Kg		68	48 - 110
4-Chloroaniline	667	397		ug/Kg		60	30 - 110
4-Chlorophenyl phenyl ether	667	437		ug/Kg		66	40 - 110
4-Nitroaniline	667	491		ug/Kg		74	48 - 110
4-Nitrophenol	1330	942		ug/Kg		71	28 - 110
Acenaphthene	667	428		ug/Kg		64	38 - 110
Acenaphthylene	667	405		ug/Kg		61	40 - 110
Acetophenone	667	444		ug/Kg		67	40 - 110
Anthracene	667	471		ug/Kg		71	48 - 110
Atrazine	1330	1100		ug/Kg		82	66 - 127
Benzaldehyde	1330	976		ug/Kg		73	32 - 110
Benzo[a]anthracene	667	508		ug/Kg		76	50 - 110
Benzo[a]pyrene	667	505		ug/Kg		76	44 - 110
Benzo[b]fluoranthene	667	489		ug/Kg		73	43 - 110
Benzo[g,h,i]perylene	667	505		ug/Kg		76	51 - 110
Benzo[k]fluoranthene	667	492		ug/Kg		74	38 - 105
Bis(2-chloroethoxy)methane	667	452		ug/Kg		68	32 - 110
Bis(2-chloroethyl)ether	667	447		ug/Kg		67	34 - 110
Bis(2-ethylhexyl) phthalate	667	525		ug/Kg		79	50 - 110
Butyl benzyl phthalate	667	508		ug/Kg		76	51 - 110
Caprolactam	1330	1050		ug/Kg		79	44 - 114
Carbazole	667	485		ug/Kg		73	50 - 110
Chrysene	667	502		ug/Kg		75	50 - 110
Dibenz(a,h)anthracene	667	492		ug/Kg		74	51 - 110
Dibenzofuran	667	426		ug/Kg		64	43 - 110
Diethyl phthalate	667	462		ug/Kg		69	52 - 110
Dimethyl phthalate	667	435		ug/Kg		65	50 - 110
Di-n-butyl phthalate	667	521		ug/Kg		78	51 - 110
Di-n-octyl phthalate	667	467		ug/Kg		70	48 - 110
Fluoranthene	667	493		ug/Kg		74	51 - 110
Fluorene	667	438		ug/Kg		66	46 - 110
Hexachlorobenzene	667	464		ug/Kg		70	43 - 110
Hexachlorobutadiene	667	439		ug/Kg		66	29 - 110
Hexachlorocyclopentadiene	667	330		ug/Kg		49	12 - 110
Hexachloroethane	667	423		ug/Kg		63	30 - 110
Indeno[1,2,3-cd]pyrene	667	515		ug/Kg		77	50 - 110
Isophorone	667	444		ug/Kg		67	36 - 110
Naphthalene	667	440		ug/Kg		66	36 - 110
Nitrobenzene	667	446		ug/Kg		67	32 - 110
N-Nitrosodi-n-propylamine	667	467		ug/Kg		70	38 - 110
N-Nitrosodiphenylamine	1330	977		ug/Kg		73	46 - 110
Pentachlorophenol	1330	837		ug/Kg		63	10 - 110
Phenol	667	449		ug/Kg		67	38 - 110
Phenanthrene	667	465		ug/Kg		70	49 - 110
Pyrene	667	529		ug/Kg		79	49 - 110
3 & 4 Methylphenol	667	434		ug/Kg		65	40 - 110

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

Lab Sample ID: LCS 240-115771/5-A
Matrix: Solid
Analysis Batch: 116013

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115771

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*65*		*24 - 110*
2-Fluorophenol (Surr)	*68*		*24 - 110*
2,4,6-Tribromophenol (Surr)	*46*		*10 - 110*
Nitrobenzene-d5 (Surr)	*72*		*20 - 110*
Phenol-d5 (Surr)	*69*		*26 - 110*
Terphenyl-d14 (Surr)	*94*		*36 - 110*

Lab Sample ID: 240-32984-13 MS
Matrix: Solid
Analysis Batch: 116013

Client Sample ID: SO-17303-123013-CT-109
Prep Type: Total/NA
Prep Batch: 115771

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	1500	U	746	482	J	ug/Kg	☼	65	32 - 110
2,2'-oxybis[1-chloropropane]	1500	U	746	401	J	ug/Kg	☼	54	11 - 110
2,4,5-Trichlorophenol	1500	U	746	462	J	ug/Kg	☼	62	10 - 117
2,4,6-Trichlorophenol	1500	U	746	340	J	ug/Kg	☼	46	10 - 110
2,4-Dichlorophenol	1500	U	746	481	J	ug/Kg	☼	65	10 - 110
2,4-Dimethylphenol	1500	U	746	508	J	ug/Kg	☼	68	10 - 110
2,4-Dinitrophenol	830	U	1490	992		ug/Kg	☼	67	10 - 110
2,4-Dinitrotoluene	1500	U	746	498	J	ug/Kg	☼	67	32 - 110
2,6-Dinitrotoluene	1500	U	746	510	J	ug/Kg	☼	68	35 - 110
2-Chloronaphthalene	1500	U	746	491	J	ug/Kg	☼	66	28 - 110
2-Chlorophenol	1500	U	746	410	J	ug/Kg	☼	55	10 - 110
2-Methylnaphthalene	39	J	746	464	J	ug/Kg	☼	57	10 - 133
2-Methylphenol	1500	U	746	466	J	ug/Kg	☼	62	24 - 110
2-Nitroaniline	1100	U	746	462	J	ug/Kg	☼	62	39 - 110
2-Nitrophenol	1500	U	746	372	J	ug/Kg	☼	50	10 - 110
3,3'-Dichlorobenzidine	1500	U	1490	887	J	ug/Kg	☼	59	10 - 110
3-Nitroaniline	1100	U	746	485	J	ug/Kg	☼	65	10 - 110
4,6-Dinitro-2-methylphenol	1100	U	1490	992	J	ug/Kg	☼	67	10 - 110
4-Bromophenyl phenyl ether	830	U	746	512	J	ug/Kg	☼	69	33 - 110
4-Chloro-3-methylphenol	1500	U	746	527	J	ug/Kg	☼	71	25 - 110
4-Chloroaniline	1500	U	746	375	J	ug/Kg	☼	50	10 - 110
4-Chlorophenyl phenyl ether	1100	U	746	565	J	ug/Kg	☼	76	32 - 110
4-Nitroaniline	1100	U	746	478	J	ug/Kg	☼	64	10 - 110
4-Nitrophenol	1800	U	1490	1060	J	ug/Kg	☼	71	10 - 113
Acenaphthene	160	J	746	606	J	ug/Kg	☼	60	22 - 110
Acenaphthylene	23	J	746	479	J	ug/Kg	☼	61	24 - 110
Acetophenone	1500	U	746	391	J	ug/Kg	☼	52	31 - 110
Anthracene	340	J	746	743	J	ug/Kg	☼	53	20 - 110
Atrazine	220	U	1490	1150		ug/Kg	☼	77	45 - 118
Benzaldehyde	1500	U	1490	823	J	ug/Kg	☼	55	23 - 110
Benzo[a]anthracene	1400	J	746	1420	J F1	ug/Kg	☼	8	10 - 122
Benzo[a]pyrene	1300	J	746	1430	J	ug/Kg	☼	12	10 - 110
Benzo[b]fluoranthene	1800		746	1700	F1	ug/Kg	☼	-13	12 - 118
Benzo[g,h,i]perylene	1100	J	746	1250	J	ug/Kg	☼	26	10 - 117
Benzo[k]fluoranthene	820	J	746	1170	J	ug/Kg	☼	47	10 - 121
Bis(2-chloroethoxy)methane	1500	U	746	407	J	ug/Kg	☼	55	26 - 110

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

Lab Sample ID: 240-32984-13 MS — **Client Sample ID: SO-17303-123013-CT-109**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 116013 — **Prep Batch: 115771**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethyl)ether	440	U	746	410	J	ug/Kg	☼	55	21 - 110
Bis(2-ethylhexyl) phthalate	1500	U	746	638	J	ug/Kg	☼	86	40 - 110
Butyl benzyl phthalate	1500	U	746	620	J	ug/Kg	☼	83	44 - 110
Caprolactam	1500	U	1490	1090	J	ug/Kg	☼	73	10 - 134
Carbazole	200	J	746	647	J	ug/Kg	☼	59	34 - 110
Chrysene	1600		746	1550	F1	ug/Kg	☼	-12	10 - 125
Dibenz(a,h)anthracene	1500	U	746	585	J	ug/Kg	☼	78	14 - 113
Dibenzofuran	78	J	746	557	J	ug/Kg	☼	64	29 - 110
Diethyl phthalate	1500	U	746	590	J	ug/Kg	☼	79	42 - 110
Dimethyl phthalate	1500	U	746	540	J	ug/Kg	☼	72	41 - 110
Di-n-butyl phthalate	1500	U	746	556	J	ug/Kg	☼	75	43 - 110
Di-n-octyl phthalate	1500	U	746	529	J	ug/Kg	☼	71	24 - 119
Fluoranthene	3400		746	2500	4	ug/Kg	☼	-125	10 - 110
Fluorene	150	J	746	639	J	ug/Kg	☼	66	23 - 110
Hexachlorobenzene	1500	U	746	519	J	ug/Kg	☼	70	34 - 110
Hexachlorobutadiene	220	U	746	382		ug/Kg	☼	51	25 - 110
Hexachlorocyclopentadiene	1500	U	746	1500	U F1	ug/Kg	☼	0	10 - 110
Hexachloroethane	1500	U	746	334	J	ug/Kg	☼	45	12 - 110
Indeno[1,2,3-cd]pyrene	820	J	746	1130	J	ug/Kg	☼	41	10 - 114
Isophorone	1500	U	746	401	J	ug/Kg	☼	54	29 - 110
Naphthalene	1500	U	746	405	J	ug/Kg	☼	54	10 - 111
Nitrobenzene	1500	U	746	385	J	ug/Kg	☼	52	23 - 110
N-Nitrosodi-n-propylamine	1500	U	746	396	J	ug/Kg	☼	53	26 - 110
N-Nitrosodiphenylamine	1500	U	1490	1140	J	ug/Kg	☼	77	22 - 110
Pentachlorophenol	830	U	1490	337	J	ug/Kg	☼	23	10 - 110
Phenol	1500	U	746	428	J	ug/Kg	☼	57	17 - 110
Phenanthrene	1900		746	1610	F1	ug/Kg	☼	-45	10 - 166
Pyrene	2900		746	2340	F1	ug/Kg	☼	-81	10 - 147
3 & 4 Methylphenol	1500	U	746	467	J	ug/Kg	☼	63	25 - 110

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*63*		*24 - 110*
2-Fluorophenol (Surr)	*55*		*24 - 110*
2,4,6-Tribromophenol (Surr)	*51*		*10 - 110*
Nitrobenzene-d5 (Surr)	*55*		*20 - 110*
Phenol-d5 (Surr)	*61*		*26 - 110*
Terphenyl-d14 (Surr)	*93*		*36 - 110*

Lab Sample ID: 240-32984-13 MSD — **Client Sample ID: SO-17303-123013-CT-109**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 116013 — **Prep Batch: 115771**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	1500	U	744	494	J	ug/Kg	☼	66	32 - 110	2	32
2,2'-oxybis[1-chloropropane]	1500	U	744	503	J	ug/Kg	☼	68	11 - 110	23	42
2,4,5-Trichlorophenol	1500	U	744	505	J	ug/Kg	☼	68	10 - 117	9	99
2,4,6-Trichlorophenol	1500	U	744	392	J	ug/Kg	☼	53	10 - 110	14	38
2,4-Dichlorophenol	1500	U	744	527	J	ug/Kg	☼	71	10 - 110	9	34

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

Lab Sample ID: 240-32984-13 MSD | **Client Sample ID: SO-17303-123013-CT-109**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 116013 | **Prep Batch: 115771**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dimethylphenol	1500	U	744	566	J	ug/Kg	☼	76	10 - 110	11	31
2,4-Dinitrophenol	830	U	1490	1010		ug/Kg	☼	68	10 - 110	1	99
2,4-Dinitrotoluene	1500	U	744	565	J	ug/Kg	☼	76	32 - 110	13	30
2,6-Dinitrotoluene	1500	U	744	515	J	ug/Kg	☼	69	35 - 110	1	30
2-Chloronaphthalene	1500	U	744	516	J	ug/Kg	☼	69	28 - 110	5	30
2-Chlorophenol	1500	U	744	481	J	ug/Kg	☼	65	10 - 110	16	47
2-Methylnaphthalene	39	J	744	532	J	ug/Kg	☼	66	10 - 133	14	42
2-Methylphenol	1500	U	744	503	J	ug/Kg	☼	68	24 - 110	8	51
2-Nitroaniline	1100	U	744	489	J	ug/Kg	☼	66	39 - 110	6	31
2-Nitrophenol	1500	U	744	464	J	ug/Kg	☼	62	10 - 110	22	49
3,3'-Dichlorobenzidine	1500	U	1490	993	J	ug/Kg	☼	67	10 - 110	11	56
3-Nitroaniline	1100	U	744	476	J	ug/Kg	☼	64	10 - 110	2	30
4,6-Dinitro-2-methylphenol	1100	U	1490	1050	J	ug/Kg	☼	70	10 - 110	5	55
4-Bromophenyl phenyl ether	830	U	744	600	J	ug/Kg	☼	81	33 - 110	16	30
4-Chloro-3-methylphenol	1500	U	744	573	J	ug/Kg	☼	77	25 - 110	8	54
4-Chloroaniline	1500	U	744	415	J	ug/Kg	☼	56	10 - 110	10	36
4-Chlorophenyl phenyl ether	1100	U	744	582	J	ug/Kg	☼	78	32 - 110	3	30
4-Nitroaniline	1100	U	744	545	J	ug/Kg	☼	73	10 - 110	13	48
4-Nitrophenol	1800	U	1490	1100	J	ug/Kg	☼	74	10 - 113	4	49
Acenaphthene	160	J	744	594	J	ug/Kg	☼	59	22 - 110	2	99
Acenaphthylene	23	J	744	522	J	ug/Kg	☼	67	24 - 110	9	99
Acetophenone	1500	U	744	480	J	ug/Kg	☼	64	31 - 110	20	43
Anthracene	340	J	744	732	J	ug/Kg	☼	52	20 - 110	2	99
Atrazine	220	U	1490	1290		ug/Kg	☼	87	45 - 118	12	30
Benzaldehyde	1500	U	1490	1020	J	ug/Kg	☼	68	23 - 110	21	42
Benzo[a]anthracene	1400	J	744	1260	J F1	ug/Kg	☼	-13	10 - 122	12	99
Benzo[a]pyrene	1300	J	744	1340	J F1	ug/Kg	☼	-1	10 - 110	7	99
Benzo[b]fluoranthene	1800		744	1450	J F1	ug/Kg	☼	-47	12 - 118	16	99
Benzo[g,h,i]perylene	1100	J	744	1220	J	ug/Kg	☼	23	10 - 117	2	99
Benzo[k]fluoranthene	820	J	744	1080	J	ug/Kg	☼	35	10 - 121	8	99
Bis(2-chloroethoxy)methane	1500	U	744	496	J	ug/Kg	☼	67	26 - 110	20	37
Bis(2-chloroethyl)ether	440	U	744	460		ug/Kg	☼	62	21 - 110	11	55
Bis(2-ethylhexyl) phthalate	1500	U	744	669	J	ug/Kg	☼	90	40 - 110	5	30
Butyl benzyl phthalate	1500	U	744	627	J	ug/Kg	☼	84	44 - 110	1	30
Caprolactam	1500	U	1490	1250	J	ug/Kg	☼	84	10 - 134	14	32
Carbazole	200	J	744	663	J	ug/Kg	☼	62	34 - 110	2	30
Chrysene	1600		744	1270	J F1	ug/Kg	☼	-49	10 - 125	19	99
Dibenz(a,h)anthracene	1500	U	744	634	J	ug/Kg	☼	85	14 - 113	8	99
Dibenzofuran	78	J	744	561	J	ug/Kg	☼	65	29 - 110	1	30
Diethyl phthalate	1500	U	744	623	J	ug/Kg	☼	84	42 - 110	5	30
Dimethyl phthalate	1500	U	744	546	J	ug/Kg	☼	73	41 - 110	1	30
Di-n-butyl phthalate	1500	U	744	605	J	ug/Kg	☼	81	43 - 110	8	30
Di-n-octyl phthalate	1500	U	744	605	J	ug/Kg	☼	81	24 - 119	14	30
Fluoranthene	3400		744	1980	4	ug/Kg	☼	-196	10 - 110	23	99
Fluorene	150	J	744	622	J	ug/Kg	☼	64	23 - 110	3	99
Hexachlorobenzene	1500	U	744	588	J	ug/Kg	☼	79	34 - 110	12	30
Hexachlorobutadiene	220	U	744	503		ug/Kg	☼	68	25 - 110	28	34
Hexachlorocyclopentadiene	1500	U	744	1500	U F1	ug/Kg	☼	0	10 - 110	NC	79

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

Lab Sample ID: 240-32984-13 MSD
Matrix: Solid
Analysis Batch: 116013

Client Sample ID: SO-17303-123013-CT-109
Prep Type: Total/NA
Prep Batch: 115771

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachloroethane	1500	U	744	474	J	ug/Kg	☼	64	12 - 110	35	50
Indeno[1,2,3-cd]pyrene	820	J	744	1060	J	ug/Kg	☼	32	10 - 114	6	99
Isophorone	1500	U	744	465	J	ug/Kg	☼	63	29 - 110	15	38
Naphthalene	1500	U	744	485	J	ug/Kg	☼	65	10 - 111	18	99
Nitrobenzene	1500	U	744	477	J	ug/Kg	☼	64	23 - 110	21	41
N-Nitrosodi-n-propylamine	1500	U	744	486	J	ug/Kg	☼	65	26 - 110	21	42
N-Nitrosodiphenylamine	1500	U	1490	1250	J	ug/Kg	☼	84	22 - 110	9	30
Pentachlorophenol	830	U	1490	433	J	ug/Kg	☼	29	10 - 110	25	50
Phenol	1500	U	744	500	J	ug/Kg	☼	67	17 - 110	16	53
Phenanthrene	1900		744	1290	J F1	ug/Kg	☼	-87	10 - 166	22	99
Pyrene	2900		744	1870	F1	ug/Kg	☼	-144	10 - 147	22	99
3 & 4 Methylphenol	1500	U	744	510	J	ug/Kg	☼	69	25 - 110	9	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*69*		*24 - 110*
2-Fluorophenol (Surr)	*64*		*24 - 110*
2,4,6-Tribromophenol (Surr)	*52*		*10 - 110*
Nitrobenzene-d5 (Surr)	*64*		*20 - 110*
Phenol-d5 (Surr)	*67*		*26 - 110*
Terphenyl-d14 (Surr)	*98*		*36 - 110*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 240-115619/23-A
Matrix: Solid
Analysis Batch: 115877

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115619

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	33	U	33	21	ug/Kg		01/02/14 07:12	01/06/14 05:27	1
Aroclor-1221	33	U	33	16	ug/Kg		01/02/14 07:12	01/06/14 05:27	1
Aroclor-1232	33	U	33	14	ug/Kg		01/02/14 07:12	01/06/14 05:27	1
Aroclor-1242	33	U	33	13	ug/Kg		01/02/14 07:12	01/06/14 05:27	1
Aroclor-1248	33	U	33	17	ug/Kg		01/02/14 07:12	01/06/14 05:27	1
Aroclor-1254	33	U	33	17	ug/Kg		01/02/14 07:12	01/06/14 05:27	1
Aroclor-1260	33	U	33	17	ug/Kg		01/02/14 07:12	01/06/14 05:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*83*		*29 - 151*	*01/02/14 07:12*	*01/06/14 05:27*	*1*
DCB Decachlorobiphenyl	*77*		*14 - 163*	*01/02/14 07:12*	*01/06/14 05:27*	*1*

Lab Sample ID: LCS 240-115619/24-A
Matrix: Solid
Analysis Batch: 115877

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115619

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016			333	243		ug/Kg		73	62 - 120		
Aroclor-1260			333	257		ug/Kg		77	56 - 122		

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 240-115619/24-A
Matrix: Solid
Analysis Batch: 115877

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115619

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*77*		*29 - 151*
DCB Decachlorobiphenyl	*82*		*14 - 163*

Lab Sample ID: MB 240-115636/18-A
Matrix: Solid
Analysis Batch: 115876

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115636

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	33	U	33	21	ug/Kg		01/02/14 08:04	01/05/14 04:00	1
Aroclor-1221	33	U	33	16	ug/Kg		01/02/14 08:04	01/05/14 04:00	1
Aroclor-1232	33	U	33	14	ug/Kg		01/02/14 08:04	01/05/14 04:00	1
Aroclor-1242	33	U	33	13	ug/Kg		01/02/14 08:04	01/05/14 04:00	1
Aroclor-1248	33	U	33	17	ug/Kg		01/02/14 08:04	01/05/14 04:00	1
Aroclor-1254	33	U	33	17	ug/Kg		01/02/14 08:04	01/05/14 04:00	1
Aroclor-1260	33	U	33	17	ug/Kg		01/02/14 08:04	01/05/14 04:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*82*		*29 - 151*	*01/02/14 08:04*	*01/05/14 04:00*	*1*
DCB Decachlorobiphenyl	*85*		*14 - 163*	*01/02/14 08:04*	*01/05/14 04:00*	*1*

Lab Sample ID: LCS 240-115636/19-A
Matrix: Solid
Analysis Batch: 115876

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115636

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016			333	208		ug/Kg		62	62 - 120		
Aroclor-1260			333	210		ug/Kg		63	56 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*64*		*29 - 151*
DCB Decachlorobiphenyl	*68*		*14 - 163*

Lab Sample ID: 240-32984-8 MS
Matrix: Solid
Analysis Batch: 115876

Client Sample ID: SO-17303-123013-CT-104
Prep Type: Total/NA
Prep Batch: 115636

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016	350	U	350	292	J	ug/Kg	☼	84	22 - 157		
Aroclor-1260	1300		350	1600		ug/Kg	☼	89	13 - 161		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*0*	*X*	*29 - 151*
DCB Decachlorobiphenyl	*238*	*X*	*14 - 163*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 240-32984-8 MSD
Matrix: Solid
Analysis Batch: 115876

Client Sample ID: SO-17303-123013-CT-104
Prep Type: Total/NA
Prep Batch: 115636

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	350	U	348	257	J	ug/Kg	☼	74	22 - 157	13	30
Aroclor-1260	1300		348	1490		ug/Kg	☼	60	13 - 161	7	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*0*	*X*	*29 - 151*
DCB Decachlorobiphenyl	*255*	*X*	*14 - 163*

Lab Sample ID: MB 240-116004/9-A
Matrix: Solid
Analysis Batch: 116132

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116004

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	260	U	260	21	ug/Kg		01/07/14 08:15	01/08/14 17:13	1
Aroclor-1221	260	U	260	16	ug/Kg		01/07/14 08:15	01/08/14 17:13	1
Aroclor-1232	260	U	260	14	ug/Kg		01/07/14 08:15	01/08/14 17:13	1
Aroclor-1242	260	U	260	13	ug/Kg		01/07/14 08:15	01/08/14 17:13	1
Aroclor-1248	260	U	260	17	ug/Kg		01/07/14 08:15	01/08/14 17:13	1
Aroclor-1254	260	U	260	17	ug/Kg		01/07/14 08:15	01/08/14 17:13	1
Aroclor-1260	260	U	260	17	ug/Kg		01/07/14 08:15	01/08/14 17:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*29 - 151*	*01/07/14 08:15*	*01/08/14 17:13*	*1*
DCB Decachlorobiphenyl	*79*		*14 - 163*	*01/07/14 08:15*	*01/08/14 17:13*	*1*

Lab Sample ID: LCS 240-116004/10-A
Matrix: Solid
Analysis Batch: 116132

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116004

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016			333	259	J	ug/Kg		78	62 - 120		
Aroclor-1260			333	263		ug/Kg		79	56 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*84*		*29 - 151*
DCB Decachlorobiphenyl	*81*		*14 - 163*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-115783/1-A
Matrix: Solid
Analysis Batch: 115949

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115783

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.210	J	0.80	0.071	mg/Kg		01/03/14 08:55	01/06/14 15:08	1
Beryllium	0.16	U	0.16	0.043	mg/Kg		01/03/14 08:55	01/06/14 15:08	1
Cadmium	0.080	U	0.080	0.036	mg/Kg		01/03/14 08:55	01/06/14 15:08	1
Cobalt	0.40	U	0.40	0.16	mg/Kg		01/03/14 08:55	01/06/14 15:08	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 240-115783/1-A
Matrix: Solid
Analysis Batch: 115949

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115783

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.80	U	0.80	0.20	mg/Kg		01/03/14 08:55	01/06/14 15:08	1
Copper	0.80	U	0.80	0.74	mg/Kg		01/03/14 08:55	01/06/14 15:08	1
Manganese	0.106	J	0.80	0.074	mg/Kg		01/03/14 08:55	01/06/14 15:08	1
Nickel	0.80	U	0.80	0.27	mg/Kg		01/03/14 08:55	01/06/14 15:08	1
Zinc	2.59		2.0	1.0	mg/Kg		01/03/14 08:55	01/06/14 15:08	1
Lead	0.24	U	0.24	0.19	mg/Kg		01/03/14 08:55	01/06/14 15:08	1

Lab Sample ID: MB 240-115783/1-A
Matrix: Solid
Analysis Batch: 116108

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115783

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	0.80	U	0.80	0.12	mg/Kg		01/03/14 08:55	01/08/14 10:17	1

Lab Sample ID: LCS 240-115783/2-A
Matrix: Solid
Analysis Batch: 115949

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115783

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	200	205		mg/Kg		102	80 - 120
Beryllium	5.00	4.89		mg/Kg		98	80 - 120
Cadmium	5.00	4.94		mg/Kg		99	80 - 120
Cobalt	50.0	47.6		mg/Kg		95	80 - 120
Chromium	20.0	19.5		mg/Kg		98	80 - 120
Copper	25.0	24.4		mg/Kg		98	80 - 120
Manganese	50.0	48.8		mg/Kg		98	80 - 120
Nickel	50.0	48.3		mg/Kg		97	80 - 120
Zinc	50.0	49.4		mg/Kg		99	80 - 120
Lead	50.0	47.4		mg/Kg		95	80 - 120

Lab Sample ID: LCS 240-115783/2-A
Matrix: Solid
Analysis Batch: 116108

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115783

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	50.0	49.5		mg/Kg		99	80 - 120

Lab Sample ID: 240-32984-4 MS
Matrix: Solid
Analysis Batch: 115949

Client Sample ID: SO-17303-123013-CT-100
Prep Type: Total/NA
Prep Batch: 115783

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	20	B	182	193		mg/Kg	☼	95	75 - 125
Beryllium	0.12	J	4.54	4.27		mg/Kg	☼	91	75 - 125
Cadmium	0.77		4.54	4.62		mg/Kg	☼	85	75 - 125
Cobalt	2.5		45.4	46.0		mg/Kg	☼	96	75 - 125
Chromium	26		18.2	49.6	F1	mg/Kg	☼	132	75 - 125
Copper	7.1		22.7	27.9		mg/Kg	☼	92	75 - 125
Manganese	140	B	45.4	174		mg/Kg	☼	79	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 240-32984-4 MS — **Client Sample ID: SO-17303-123013-CT-100**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 115949 — **Prep Batch: 115783**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nickel	6.2		45.4	50.5		mg/Kg	☼	98	75 - 125
Zinc	96	B	45.4	151		mg/Kg	☼	121	75 - 125
Lead	16		45.4	52.8		mg/Kg	☼	82	75 - 125

Lab Sample ID: 240-32984-4 MS — **Client Sample ID: SO-17303-123013-CT-100**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 116108 — **Prep Batch: 115783**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	8.4		45.4	51.6		mg/Kg	☼	95	75 - 125

Lab Sample ID: 240-32984-4 MSD — **Client Sample ID: SO-17303-123013-CT-100**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 115949 — **Prep Batch: 115783**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium	20	B	182	946	F1 F2	mg/Kg	☼	510	75 - 125	132	20
Beryllium	0.12	J	4.54	4.33		mg/Kg	☼	93	75 - 125	1	20
Cadmium	0.77		4.54	4.97		mg/Kg	☼	93	75 - 125	7	20
Cobalt	2.5		45.4	47.0		mg/Kg	☼	98	75 - 125	2	20
Chromium	26		18.2	501	F1 F2	mg/Kg	☼	2616	75 - 125	164	20
Copper	7.1		22.7	29.7		mg/Kg	☼	100	75 - 125	6	20
Manganese	140	B	45.4	182		mg/Kg	☼	98	75 - 125	5	20
Nickel	6.2		45.4	51.1		mg/Kg	☼	99	75 - 125	1	20
Zinc	96	B	45.4	780	F1 F2	mg/Kg	☼	1507	75 - 125	135	20
Lead	16		45.4	88.9	F1 F2	mg/Kg	☼	161	75 - 125	51	20

Lab Sample ID: 240-32984-4 MSD — **Client Sample ID: SO-17303-123013-CT-100**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 116108 — **Prep Batch: 115783**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vanadium	8.4		45.4	50.6		mg/Kg	☼	93	75 - 125	2	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 240-115783/1-A ^2 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 115945 — **Prep Batch: 115783**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.32	U	0.32	0.018	mg/Kg		01/03/14 08:55	01/06/14 10:03	2
Arsenic	0.0412	J	0.16	0.012	mg/Kg		01/03/14 08:55	01/06/14 10:03	2
Selenium	0.32	U	0.32	0.055	mg/Kg		01/03/14 08:55	01/06/14 10:03	2
Thallium	0.16	U	0.16	0.016	mg/Kg		01/03/14 08:55	01/06/14 10:03	2
Silver	0.16	U	0.16	0.0022	mg/Kg		01/03/14 08:55	01/06/14 10:03	2

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 240-115783/3-A ^2
Matrix: Solid
Analysis Batch: 115945

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115783

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	10.0	9.61		mg/Kg		96	68 - 113
Arsenic	100	91.8		mg/Kg		92	73 - 110
Selenium	100	84.0		mg/Kg		84	65 - 110
Thallium	25.0	26.4		mg/Kg		106	71 - 110
Silver	10.0	10.2		mg/Kg		102	60 - 114

Lab Sample ID: 240-32984-4 MS
Matrix: Solid
Analysis Batch: 115945

Client Sample ID: SO-17303-123013-CT-100
Prep Type: Total/NA
Prep Batch: 115783

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	2.4		10.0	10.9		mg/Kg	☼	85	75 - 125
Arsenic	3.5	B	100	99.0		mg/Kg	☼	95	23 - 131
Selenium	0.32		100	85.7		mg/Kg	☼	85	39 - 116
Thallium	0.097	J	25.0	25.1		mg/Kg	☼	100	62 - 110
Silver	0.033	J	10.0	9.75		mg/Kg	☼	97	75 - 125

Lab Sample ID: 240-32984-4 MSD
Matrix: Solid
Analysis Batch: 115945

Client Sample ID: SO-17303-123013-CT-100
Prep Type: Total/NA
Prep Batch: 115783

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	2.4		10.0	12.3		mg/Kg	☼	99	75 - 125	12	20
Arsenic	3.5	B	100	93.3		mg/Kg	☼	90	23 - 131	6	20
Selenium	0.32		100	82.3		mg/Kg	☼	82	39 - 116	4	20
Thallium	0.097	J	25.0	25.6		mg/Kg	☼	102	62 - 110	2	20
Silver	0.033	J	10.0	9.82		mg/Kg	☼	98	75 - 125	1	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 240-115786/1-A
Matrix: Solid
Analysis Batch: 116033

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115786

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.040	U	0.040	0.015	mg/Kg		01/03/14 11:25	01/07/14 13:27	1

Lab Sample ID: LCS 240-115786/2-A
Matrix: Solid
Analysis Batch: 116033

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115786

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.842		mg/Kg		101	73 - 121

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: 240-32984-4 MS
Matrix: Solid
Analysis Batch: 116033

Client Sample ID: SO-17303-123013-CT-100
Prep Type: Total/NA
Prep Batch: 115786

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.018	J	0.186	0.210		mg/Kg	☼	103	11 - 192

Lab Sample ID: 240-32984-4 MSD
Matrix: Solid
Analysis Batch: 116033

Client Sample ID: SO-17303-123013-CT-100
Prep Type: Total/NA
Prep Batch: 115786

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.018	J	0.186	0.207		mg/Kg	☼	101	11 - 192	1	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 240-116076/9-A
Matrix: Solid
Analysis Batch: 116181

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116076

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.80	U	0.80	0.27	mg/Kg		01/08/14 09:20	01/09/14 00:00	1

Lab Sample ID: LCSI 240-116076/11-A
Matrix: Solid
Analysis Batch: 116181

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116076

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	643	595		mg/Kg		93	75 - 125

Lab Sample ID: LCSS 240-116076/10-A
Matrix: Solid
Analysis Batch: 116181

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116076

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	20.0	21.7		mg/Kg		108	90 - 110

Lab Sample ID: MB 240-116464/9-A
Matrix: Solid
Analysis Batch: 116593

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116464

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.80	U	0.80	0.27	mg/Kg		01/13/14 09:30	01/14/14 00:00	1

Lab Sample ID: LCSI 240-116464/11-A
Matrix: Solid
Analysis Batch: 116593

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116464

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	643	702		mg/Kg		109	75 - 125

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: LCSS 240-116464/10-A
Matrix: Solid
Analysis Batch: 116593

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116464

Analyte	Spike Added	LCSS Result	LCSS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	20.0	20.2		mg/Kg		101	90 - 110

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(39-128)	(26-141)	(33-134)	(30-122)
240-32984-1	SO-17303-122613-MA-005	133 X	115	109	98
240-32984-2	SO-17303-122613-MA-006	116	98	109	103
240-32984-3	SO-17303-122613-MA-007	79	0 X	0 X	0 X
240-32984-4	SO-17303-123013-CT-100	107	95	100	88
240-32984-5	SO-17303-123013-CT-101	114	104	107	97
240-32984-6	SO-17303-123013-CT-102	107	104	112	104
240-32984-7	SO-17303-123013-CT-103	126	108	121	103
240-32984-8	SO-17303-123013-CT-104	113	112	112	96
240-32984-9	SO-17303-123013-CT-105	0 X	0 X	0 X	0 X
240-32984-10	SO-17303-123013-CT-106	0 X	0 X	0 X	0 X
240-32984-11	SO-17303-123013-CT-107	0 X	0 X	0 X	0 X
240-32984-12	SO-17303-123013-CT-108	107	91	95	87
240-32984-13	SO-17303-123013-CT-109	102	93	97	85
LCS 240-115848/2-A	Lab Control Sample	111	107	102	96
MB 240-115848/1-A	Method Blank	102	94	98	91

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	TBP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(24-110)	(24-110)	(10-110)	(20-110)	(26-110)	(36-110)
240-32984-4	SO-17303-123013-CT-100	61	67	60	58	69	78
240-32984-5	SO-17303-123013-CT-101	58	67	54	56	64	68
240-32984-6	SO-17303-123013-CT-102	67	81	82	68	77	80
240-32984-7	SO-17303-123013-CT-103	73	78	79	69	79	84
240-32984-7 MS	SO-17303-123013-CT-103	68	76	72	67	77	77
240-32984-7 MSD	SO-17303-123013-CT-103	66	71	75	62	71	77
240-32984-8	SO-17303-123013-CT-104	71	83	84	67	82	88
240-32984-9	SO-17303-123013-CT-105	0 X	0 X	0 X	0 X	0 X	0 X
240-32984-10	SO-17303-123013-CT-106	0 X	0 X	0 X	0 X	0 X	0 X
240-32984-11	SO-17303-123013-CT-107	0 X	0 X	0 X	0 X	0 X	0 X
240-32984-12	SO-17303-123013-CT-108	66	77	72	56	82	84
240-32984-13	SO-17303-123013-CT-109	70	65	41	61	68	96
240-32984-13 MS	SO-17303-123013-CT-109	63	55	51	55	61	93
240-32984-13 MSD	SO-17303-123013-CT-109	69	64	52	64	67	98
LCS 240-115647/14-A	Lab Control Sample	63	68	59	63	69	80
LCS 240-115771/5-A	Lab Control Sample	65	68	46	72	69	94
MB 240-115647/13-A	Method Blank	71	60	42	69	70	91
MB 240-115771/4-A	Method Blank	68	53	21	71	66	98

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)

TBP = 2,4,6-Tribromophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCB2
Lab Sample ID	Client Sample ID	(29-151)	(14-163)
240-32984-7	SO-17303-123013-CT-103	65	58
240-32984-9	SO-17303-123013-CT-105	77	60
240-32984-10	SO-17303-123013-CT-106	77	49
240-32984-11	SO-17303-123013-CT-107	141	117
240-32984-12	SO-17303-123013-CT-108	0 X	0 X
240-32984-13	SO-17303-123013-CT-109	52	49
LCS 240-115619/24-A	Lab Control Sample	77	82
LCS 240-116004/10-A	Lab Control Sample	84	81
MB 240-115619/23-A	Method Blank	83	77
MB 240-116004/9-A	Method Blank	80	79

Surrogate Legend
TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(29-151)	(14-163)
240-32984-4	SO-17303-123013-CT-100	83	77
240-32984-5	SO-17303-123013-CT-101	0 X	0 X
240-32984-6	SO-17303-123013-CT-102	0 X	0 X
240-32984-8	SO-17303-123013-CT-104	0 X	0 X
240-32984-8 MS	SO-17303-123013-CT-104	0 X	238 X
240-32984-8 MSD	SO-17303-123013-CT-104	0 X	255 X
LCS 240-115636/19-A	Lab Control Sample	64	68
MB 240-115636/18-A	Method Blank	82	85

Surrogate Legend
TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

Client Sample ID: SO-17303-122613-MA-005

Lab Sample ID: 240-32984-1

Date Collected: 12/26/13 09:10

Matrix: Solid

Date Received: 12/31/13 09:50

Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			115848	01/03/14 14:53	LAM	TAL CAN
Total/NA	Analysis	8260B		40	115972	01/06/14 20:50	TJL1	TAL CAN
Total/NA	Analysis	Moisture		1	115681	01/02/14 11:58	WAL	TAL CAN

Client Sample ID: SO-17303-122613-MA-006

Lab Sample ID: 240-32984-2

Date Collected: 12/26/13 09:15

Matrix: Solid

Date Received: 12/31/13 09:50

Percent Solids: 95.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			115848	01/03/14 14:53	LAM	TAL CAN
Total/NA	Analysis	8260B		4	116039	01/07/14 18:55	TJL1	TAL CAN
Total/NA	Analysis	Moisture		1	115681	01/02/14 11:58	WAL	TAL CAN

Client Sample ID: SO-17303-122613-MA-007

Lab Sample ID: 240-32984-3

Date Collected: 12/26/13 09:20

Matrix: Solid

Date Received: 12/31/13 09:50

Percent Solids: 81.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			115848	01/03/14 14:53	LAM	TAL CAN
Total/NA	Analysis	8260B		100	116039	01/07/14 19:18	TJL1	TAL CAN
Total/NA	Analysis	Moisture		1	115681	01/02/14 11:58	WAL	TAL CAN

Client Sample ID: SO-17303-123013-CT-100

Lab Sample ID: 240-32984-4

Date Collected: 12/30/13 10:05

Matrix: Solid

Date Received: 12/31/13 09:50

Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			115848	01/03/14 14:53	LAM	TAL CAN
Total/NA	Analysis	8260B		1.333	116039	01/07/14 19:42	TJL1	TAL CAN
Total/NA	Prep	3540C			115647	01/02/14 08:34	KEC	TAL CAN
Total/NA	Analysis	8270C		2	115880	01/06/14 10:35	TMH	TAL CAN
Total/NA	Prep	3540C			115636	01/02/14 08:04	MPM	TAL CAN
Total/NA	Analysis	8082		5	115934	01/06/14 12:22	HMB	TAL CAN
Total/NA	Prep	3050B			115783	01/03/14 08:55	ADS	TAL CAN
Total/NA	Analysis	6020		2	115945	01/06/14 10:18	KLC	TAL CAN
Total/NA	Analysis	6010B		1	115949	01/06/14 15:16	RKT	TAL CAN
Total/NA	Prep	7471A			115786	01/03/14 11:25	ADS	TAL CAN
Total/NA	Analysis	7471A		1	116033	01/07/14 13:30	AMM2	TAL CAN
Total/NA	Prep	3050B			115783	01/03/14 08:55	ADS	TAL CAN
Total/NA	Analysis	6010B		1	116108	01/08/14 10:25	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	115681	01/02/14 11:58	WAL	TAL CAN
Total/NA	Analysis	7196A		1	115742	01/03/14 05:42	KLC	TAL CAN

Client Sample ID: SO-17303-123013-CT-100

Lab Sample ID: 240-32984-4

Date Collected: 12/30/13 10:05
Matrix: Solid
Date Received: 12/31/13 09:50
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			116076	01/08/14 09:20	LKG	TAL CAN
Total/NA	Analysis	7196A		1	116181	01/09/14 08:24	LKG	TAL CAN

Client Sample ID: SO-17303-123013-CT-101

Lab Sample ID: 240-32984-5

Date Collected: 12/30/13 10:10
Matrix: Solid
Date Received: 12/31/13 09:50
Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			115848	01/03/14 14:53	LAM	TAL CAN
Total/NA	Analysis	8260B		2.5	116039	01/07/14 20:05	TJL1	TAL CAN
Total/NA	Prep	3540C			115647	01/02/14 08:34	KEC	TAL CAN
Total/NA	Analysis	8270C		6.6666	116066	01/08/14 10:12	TMH	TAL CAN
Total/NA	Prep	3540C			115636	01/02/14 08:04	MPM	TAL CAN
Total/NA	Analysis	8082		10	115876	01/05/14 03:16	HMB	TAL CAN
Total/NA	Prep	3050B			115783	01/03/14 08:55	ADS	TAL CAN
Total/NA	Analysis	6020		2	115945	01/06/14 10:33	KLC	TAL CAN
Total/NA	Prep	3050B			115783	01/03/14 08:55	ADS	TAL CAN
Total/NA	Analysis	6010B		1	115949	01/06/14 15:39	RKT	TAL CAN
Total/NA	Prep	7471A			115786	01/03/14 11:25	ADS	TAL CAN
Total/NA	Analysis	7471A		1	116033	01/07/14 13:35	AMM2	TAL CAN
Total/NA	Analysis	6010B		1	116108	01/08/14 10:41	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	115681	01/02/14 11:58	WAL	TAL CAN
Total/NA	Analysis	7196A		1	115742	01/03/14 05:42	KLC	TAL CAN
Total/NA	Prep	3060A			116076	01/08/14 09:20	LKG	TAL CAN
Total/NA	Analysis	7196A		5	116181	01/09/14 08:34	LKG	TAL CAN

Client Sample ID: SO-17303-123013-CT-102

Lab Sample ID: 240-32984-6

Date Collected: 12/30/13 10:30
Matrix: Solid
Date Received: 12/31/13 09:50
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			115848	01/03/14 14:53	LAM	TAL CAN
Total/NA	Analysis	8260B		4	116039	01/07/14 20:29	TJL1	TAL CAN
Total/NA	Prep	3540C			115647	01/02/14 08:34	KEC	TAL CAN
Total/NA	Analysis	8270C		10	115880	01/06/14 13:33	TMH	TAL CAN
Total/NA	Prep	3540C			115636	01/02/14 08:04	MPM	TAL CAN
Total/NA	Analysis	8082		10	115876	01/05/14 03:31	HMB	TAL CAN
Total/NA	Prep	3050B			115783	01/03/14 08:55	ADS	TAL CAN
Total/NA	Analysis	6020		2	115945	01/06/14 10:37	KLC	TAL CAN
Total/NA	Analysis	6010B		1	115949	01/06/14 15:43	RKT	TAL CAN
Total/NA	Prep	7471A			115786	01/03/14 11:25	ADS	TAL CAN
Total/NA	Analysis	7471A		1	116033	01/07/14 13:37	AMM2	TAL CAN
Total/NA	Prep	3050B			115783	01/03/14 08:55	ADS	TAL CAN

Client Sample ID: SO-17303-123013-CT-102

Lab Sample ID: 240-32984-6

Date Collected: 12/30/13 10:30

Matrix: Solid

Date Received: 12/31/13 09:50

Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		1	116108	01/08/14 10:45	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	115681	01/02/14 11:58	WAL	TAL CAN
Total/NA	Analysis	7196A		1	115742	01/03/14 05:42	KLC	TAL CAN
Total/NA	Prep	3060A			116076	01/08/14 09:20	LKG	TAL CAN
Total/NA	Analysis	7196A		1	116181	01/09/14 08:34	LKG	TAL CAN

Client Sample ID: SO-17303-123013-CT-103

Lab Sample ID: 240-32984-7

Date Collected: 12/30/13 10:40

Matrix: Solid

Date Received: 12/31/13 09:50

Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			115848	01/03/14 14:53	LAM	TAL CAN
Total/NA	Analysis	8260B		10	116039	01/07/14 20:52	TJL1	TAL CAN
Total/NA	Prep	3540C			115647	01/02/14 08:34	KEC	TAL CAN
Total/NA	Analysis	8270C		4	115880	01/06/14 10:57	TMH	TAL CAN
Total/NA	Prep	3540C			116004	01/07/14 08:15	SDE	TAL CAN
Total/NA	Analysis	8082		1	116132	01/08/14 15:39	LSH	TAL CAN
Total/NA	Prep	3050B			115783	01/03/14 08:55	ADS	TAL CAN
Total/NA	Analysis	6020		2	115945	01/06/14 10:41	KLC	TAL CAN
Total/NA	Analysis	6010B		1	115949	01/06/14 15:47	RKT	TAL CAN
Total/NA	Prep	7471A			115786	01/03/14 11:25	ADS	TAL CAN
Total/NA	Analysis	7471A		1	116033	01/07/14 13:40	AMM2	TAL CAN
Total/NA	Prep	3050B			115783	01/03/14 08:55	ADS	TAL CAN
Total/NA	Analysis	6010B		1	116108	01/08/14 10:57	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	115681	01/02/14 11:58	WAL	TAL CAN
Total/NA	Analysis	7196A		1	115742	01/03/14 05:42	KLC	TAL CAN
Total/NA	Prep	3060A			116076	01/08/14 09:20	LKG	TAL CAN
Total/NA	Analysis	7196A		1	116181	01/09/14 08:30	LKG	TAL CAN

Client Sample ID: SO-17303-123013-CT-104

Lab Sample ID: 240-32984-8

Date Collected: 12/30/13 10:50

Matrix: Solid

Date Received: 12/31/13 09:50

Percent Solids: 94.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			115848	01/03/14 14:53	LAM	TAL CAN
Total/NA	Analysis	8260B		2.5	116039	01/07/14 21:15	TJL1	TAL CAN
Total/NA	Prep	3540C			115647	01/02/14 08:34	KEC	TAL CAN
Total/NA	Analysis	8270C		6.66666	115880	01/06/14 12:24	TMH	TAL CAN
Total/NA	Prep	3540C			115636	01/02/14 08:04	MPM	TAL CAN
Total/NA	Analysis	8082		10	115876	01/05/14 04:30	HMB	TAL CAN
Total/NA	Prep	3050B			115783	01/03/14 08:55	ADS	TAL CAN
Total/NA	Analysis	6020		2	115945	01/06/14 10:45	KLC	TAL CAN
Total/NA	Prep	3050B			115783	01/03/14 08:55	ADS	TAL CAN

Client Sample ID: SO-17303-123013-CT-104

Lab Sample ID: 240-32984-8

Date Collected: 12/30/13 10:50

Matrix: Solid

Date Received: 12/31/13 09:50

Percent Solids: 94.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		1	115949	01/06/14 15:51	RKT	TAL CAN
Total/NA	Prep	7471A			115786	01/03/14 11:25	ADS	TAL CAN
Total/NA	Analysis	7471A		1	116033	01/07/14 13:41	AMM2	TAL CAN
Total/NA	Analysis	6010B		1	116108	01/08/14 11:01	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	115681	01/02/14 11:58	WAL	TAL CAN
Total/NA	Analysis	7196A		1	115742	01/03/14 05:42	KLC	TAL CAN
Total/NA	Prep	3060A			116464	01/13/14 09:31	LKG	TAL CAN
Total/NA	Analysis	7196A		1	116593	01/14/14 10:36	LKG	TAL CAN

Client Sample ID: SO-17303-123013-CT-105

Lab Sample ID: 240-32984-9

Date Collected: 12/30/13 09:45

Matrix: Solid

Date Received: 12/31/13 09:50

Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			115848	01/03/14 14:53	LAM	TAL CAN
Total/NA	Analysis	8260B		500	116039	01/07/14 21:39	TJL1	TAL CAN
Total/NA	Prep	3540C			115647	01/02/14 08:34	KEC	TAL CAN
Total/NA	Analysis	8270C		50	115880	01/06/14 13:55	TMH	TAL CAN
Total/NA	Prep	3540C			115619	01/02/14 07:12	MPM	TAL CAN
Total/NA	Analysis	8082		5	115877	01/06/14 02:41	HMB	TAL CAN
Total/NA	Prep	3050B			115783	01/03/14 08:55	ADS	TAL CAN
Total/NA	Analysis	6020		2	115945	01/06/14 10:49	KLC	TAL CAN
Total/NA	Prep	3050B			115783	01/03/14 08:55	ADS	TAL CAN
Total/NA	Analysis	6010B		1	115949	01/06/14 15:55	RKT	TAL CAN
Total/NA	Prep	7471A			115786	01/03/14 11:25	ADS	TAL CAN
Total/NA	Analysis	7471A		1	116033	01/07/14 13:43	AMM2	TAL CAN
Total/NA	Analysis	6010B		1	116108	01/08/14 11:05	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	115681	01/02/14 11:58	WAL	TAL CAN
Total/NA	Analysis	7196A		1	115742	01/03/14 05:42	KLC	TAL CAN
Total/NA	Prep	3060A			116464	01/13/14 09:31	LKG	TAL CAN
Total/NA	Analysis	7196A		1	116593	01/14/14 10:36	LKG	TAL CAN

Client Sample ID: SO-17303-123013-CT-106

Lab Sample ID: 240-32984-10

Date Collected: 12/30/13 09:55

Matrix: Solid

Date Received: 12/31/13 09:50

Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			115848	01/03/14 14:53	LAM	TAL CAN
Total/NA	Analysis	8260B		2000	116039	01/07/14 22:02	TJL1	TAL CAN
Total/NA	Prep	3540C			115647	01/02/14 08:34	KEC	TAL CAN
Total/NA	Analysis	8270C		50	115880	01/06/14 14:38	TMH	TAL CAN
Total/NA	Prep	3540C			115619	01/02/14 07:12	MPM	TAL CAN
Total/NA	Analysis	8082		1	115877	01/06/14 02:56	HMB	TAL CAN

Client Sample ID: SO-17303-123013-CT-106

Lab Sample ID: 240-32984-10

Date Collected: 12/30/13 09:55

Matrix: Solid

Date Received: 12/31/13 09:50

Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			115783	01/03/14 08:55	ADS	TAL CAN
Total/NA	Analysis	6020		2	115945	01/06/14 11:00	KLC	TAL CAN
Total/NA	Analysis	6020		10	115945	01/06/14 11:15	KLC	TAL CAN
Total/NA	Analysis	6010B		1	115949	01/06/14 15:59	RKT	TAL CAN
Total/NA	Prep	7471A			115786	01/03/14 11:25	ADS	TAL CAN
Total/NA	Analysis	7471A		1	116033	01/07/14 13:47	AMM2	TAL CAN
Total/NA	Prep	3050B			115783	01/03/14 08:55	ADS	TAL CAN
Total/NA	Analysis	6010B		1	116108	01/08/14 11:09	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	115681	01/02/14 11:58	WAL	TAL CAN
Total/NA	Analysis	7196A		1	115742	01/03/14 05:42	KLC	TAL CAN
Total/NA	Prep	3060A			116464	01/13/14 09:31	LKG	TAL CAN
Total/NA	Analysis	7196A		5	116593	01/14/14 10:36	LKG	TAL CAN

Client Sample ID: SO-17303-123013-CT-107

Lab Sample ID: 240-32984-11

Date Collected: 12/30/13 10:55

Matrix: Solid

Date Received: 12/31/13 09:50

Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			115848	01/03/14 14:53	LAM	TAL CAN
Total/NA	Analysis	8260B		2000	116039	01/07/14 22:26	TJL1	TAL CAN
Total/NA	Prep	3540C			115647	01/02/14 08:34	KEC	TAL CAN
Total/NA	Analysis	8270C		100	115880	01/06/14 15:00	TMH	TAL CAN
Total/NA	Prep	3540C			115619	01/02/14 07:12	MPM	TAL CAN
Total/NA	Analysis	8082		5	115877	01/06/14 03:11	HMB	TAL CAN
Total/NA	Prep	3050B			115783	01/03/14 08:55	ADS	TAL CAN
Total/NA	Analysis	6020		2	115945	01/06/14 11:04	KLC	TAL CAN
Total/NA	Analysis	6020		20	115945	01/06/14 11:19	KLC	TAL CAN
Total/NA	Prep	3050B			115783	01/03/14 08:55	ADS	TAL CAN
Total/NA	Analysis	6010B		1	115949	01/06/14 16:02	RKT	TAL CAN
Total/NA	Analysis	6010B		5	115949	01/06/14 16:14	RKT	TAL CAN
Total/NA	Prep	7471A			115786	01/03/14 11:25	ADS	TAL CAN
Total/NA	Analysis	7471A		1	116033	01/07/14 13:49	AMM2	TAL CAN
Total/NA	Analysis	6010B		1	116108	01/08/14 11:13	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	115681	01/02/14 11:58	WAL	TAL CAN
Total/NA	Analysis	7196A		1	115742	01/03/14 05:42	KLC	TAL CAN
Total/NA	Prep	3060A			116464	01/13/14 09:31	LKG	TAL CAN
Total/NA	Analysis	7196A		5	116593	01/14/14 10:36	LKG	TAL CAN

Client Sample ID: SO-17303-123013-CT-108

Lab Sample ID: 240-32984-12

Date Collected: 12/30/13 11:10

Matrix: Solid

Date Received: 12/31/13 09:50

Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			115848	01/03/14 14:53	LAM	TAL CAN
Total/NA	Analysis	8260B		1	116039	01/07/14 22:49	TJL1	TAL CAN
Total/NA	Prep	3540C			115647	01/02/14 08:34	KEC	TAL CAN
Total/NA	Analysis	8270C		10	115880	01/06/14 13:07	TMH	TAL CAN
Total/NA	Prep	3540C			115619	01/02/14 07:12	MPM	TAL CAN
Total/NA	Analysis	8082		500	115877	01/06/14 03:26	HMB	TAL CAN
Total/NA	Prep	3050B			115783	01/03/14 08:55	ADS	TAL CAN
Total/NA	Analysis	6020		2	115945	01/06/14 11:07	KLC	TAL CAN
Total/NA	Analysis	6020		2	115945	01/06/14 11:23	KLC	TAL CAN
Total/NA	Prep	3050B			115783	01/03/14 08:55	ADS	TAL CAN
Total/NA	Analysis	6010B		1	115949	01/06/14 16:18	RKT	TAL CAN
Total/NA	Prep	7471A			115786	01/03/14 11:25	ADS	TAL CAN
Total/NA	Analysis	7471A		1	116033	01/07/14 13:51	AMM2	TAL CAN
Total/NA	Analysis	6010B		1	116108	01/08/14 11:18	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	115681	01/02/14 11:58	WAL	TAL CAN
Total/NA	Analysis	7196A		1	115742	01/03/14 05:42	KLC	TAL CAN
Total/NA	Prep	3060A			116464	01/13/14 09:31	LKG	TAL CAN
Total/NA	Analysis	7196A		1	116593	01/14/14 08:33	LKG	TAL CAN

Client Sample ID: SO-17303-123013-CT-109

Lab Sample ID: 240-32984-13

Date Collected: 12/30/13 11:15

Matrix: Solid

Date Received: 12/31/13 09:50

Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			115848	01/03/14 14:53	LAM	TAL CAN
Total/NA	Analysis	8260B		1	116039	01/07/14 23:12	TJL1	TAL CAN
Total/NA	Prep	3540C			115771	01/03/14 08:05	MPM	TAL CAN
Total/NA	Analysis	8270C		5	116013	01/07/14 14:22	TMH	TAL CAN
Total/NA	Prep	3540C			115619	01/02/14 07:12	MPM	TAL CAN
Total/NA	Analysis	8082		2	115877	01/06/14 03:41	HMB	TAL CAN
Total/NA	Prep	3050B			115783	01/03/14 08:55	ADS	TAL CAN
Total/NA	Analysis	6020		2	115945	01/06/14 11:11	KLC	TAL CAN
Total/NA	Analysis	6020		2	115945	01/06/14 11:26	KLC	TAL CAN
Total/NA	Prep	3050B			115783	01/03/14 08:55	ADS	TAL CAN
Total/NA	Analysis	6010B		1	115949	01/06/14 16:22	RKT	TAL CAN
Total/NA	Prep	7471A			115786	01/03/14 11:25	ADS	TAL CAN
Total/NA	Analysis	7471A		1	116033	01/07/14 13:53	AMM2	TAL CAN
Total/NA	Analysis	6010B		1	116108	01/08/14 11:22	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	115681	01/02/14 11:58	WAL	TAL CAN
Total/NA	Analysis	7196A		1	115742	01/03/14 05:42	KLC	TAL CAN
Total/NA	Prep	3060A			116464	01/13/14 09:31	LKG	TAL CAN
Total/NA	Analysis	7196A		1	116593	01/14/14 08:34	LKG	TAL CAN

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-025, RACER CVO

TestAmerica Job ID: 240-32984-1

Laboratory: TestAmerica Canton

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

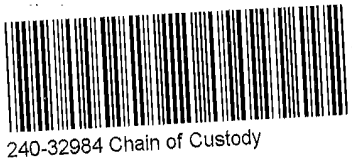
Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14
Connecticut	State Program	1	PH-0590	12-31-13 *
Florida	NELAP	4	E87225	06-30-14
Georgia	State Program	4	N/A	06-30-14
Illinois	NELAP	5	200004	07-31-14 *
Kansas	NELAP	7	E-10336	01-31-14 *
Kentucky (UST)	State Program	4	58	06-30-14
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-13 *
Nevada	State Program	9	OH-000482008A	07-31-14
New Jersey	NELAP	2	OH001	06-30-14
New York	NELAP	2	10975	04-01-14
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-14 *
Texas	NELAP	6		08-31-14 *
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-14
Washington	State Program	10	C971	01-12-14 *
West Virginia DEP	State Program	3	210	01-31-14 *
Wisconsin	State Program	5	999518190	08-31-14

* Expired certification is currently pending renewal and is considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS



CHAIN OF CUSTODY RECORD

COC NO.: PL-13712

4.0, 2.4

PAGE ___ OF ___

(See Reverse Side for Instructions)

CONESTOGA-ROVERS & ASSOCIATES

14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170

Phone: (734) 453-5123 Fax: (734) 453-5201

Project No/ Phase/Task Code: 17303-T03-01413	Laboratory Name: TEST America	Lab Location: North Canton, OH	SSOW ID: 17303-T03-025
Project Name: CVO: PAOC 23 Excavation Samples	Lab Contact: Denise Heckler	Lab Quote No:	Cooler No: 2
Project Location: YPSILANTI, MI			Carrier: FedEx
Chemistry Contact: RAWA FLEISNER			Airbill No:
Sampler(s): Matt Abdallah / Chris Tort			Date Shipped: 12/30/13

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Container Quantity & Preservation: Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	Analysis Requested: Tcl VOCs	Tcl SVOCs	TAL Metals	PCBs	Hex + Tri Chromium	MS/MSD Request	Comments/ Special Instructions:
1	SO-17303-122613-MA-005	12/26/13	0910	SO	G	1					1			2	✓						Bottom Sample
2	SO-17303-122613-MA-006	12/26/13	0915	SO	G	1					1			2	✓						Sidewall Sample
3	SO-17303-122613-MA-007	12/26/13	0920	SO	G	1					1			2	✓						Sidewall Sample
4	SO-17303-123013-CT-100	12/30/13	1005	SO	G	5					1			6	✓	✓	✓	✓	✓		
5	-101		1010			5					1			6	✓	✓	✓	✓	✓		
6	-102		1030			5					1			6	✓	✓	✓	✓	✓		
7	-103		1040			5					1			6	✓	✓	✓	✓	✓		
8	-104		1050			5					1			6	✓	✓	✓	✓	✓		
9	-105		945			5					1			6	✓	✓	✓	✓	✓		
10	-106		955			5					1			6	✓	✓	✓	✓	✓		
11	-107		1055			5					1			6	✓	✓	✓	✓	✓		
12	-108		1110			5					1			6	✓	✓	✓	✓	✓		
13	-109		1115			5					1			6	✓	✓	✓	✓	✓		
14																					
15																					

TAT Required in business days (use separate COCs for different TATs):

☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other:

Total Number of Containers: 66

All Samples in Cooler must be on COC

Notes/ Special Requirements:

	Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1.	Christopher Z Tort	CRA	12/30/13	1400		TA/Canton	12/31/13	9:50 AM
2.								
3.								

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10A (20110804)

TestAmerica Canton Sample Receipt Form/Narrative Login # : 32984
Canton Facility

Client CRA Site Name CVO

Cooler Received on 12/31/13 Opened on 12/31/13

Cooler unpacked by:

FedEx: 1st Grd (Exp) UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A	(CF +0 °C) Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	
IR GUN# 4	(CF -1 °C) Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	☒ See Multiple Cooler Form
IR GUN# 5	(CF +1 °C) Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	
IR GUN# 8	(CF +1 °C) Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity_____ Yes (No)
   -Were custody seals on the outside of the cooler(s) signed & dated? Yes No (NA)
   -Were custody seals on the bottle(s)? Yes (No)
3. Shippers' packing slip attached to the cooler(s)? (Yes) No
4. Did custody papers accompany the sample(s)? (Yes) No
5. Were the custody papers relinquished & signed in the appropriate place? (Yes) No
6. Did all bottles arrive in good condition (Unbroken)? (Yes) No
7. Could all bottle labels be reconciled with the COC? (Yes) No
8. Were correct bottle(s) used for the test(s) indicated? (Yes) No
9. Sufficient quantity received to perform indicated analyses? (Yes) No
10. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC391902
11. Were VOAs on the COC? (Yes) No
12. Were air bubbles >6 mm in any VOA vials? Yes No (NA)
13. Was a trip blank present in the cooler(s)? Yes (No)

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: David W. Green

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

TestAmerica Multiple Cooler Receipt Form/Narrative **Login # :** 32984
Canton Facility

Cooler #	IR Gun #	Observed Temp °C	Corrected Temp °C	Coolant
TAMT 1	A 1	4.0 2.4	4.0 2.4	ICE 1

Appendix C

Vapor Intrusion Documents

CONESTOGA-ROVERS & ASSOCIATES

14496 Sheldon Road, Suite #200
Plymouth, Michigan 48170
Telephone: (734) 453-5123 Fax: (734) 453-5201
www.CRAworld.com

MEMORANDUM

TO:	Kevin Lund, Michigan Dept. of Environmental Quality	REF. NO.:	017303
FROM:	Beth Landale/bw/163/Det.	DATE:	May 30, 2014
CC:	Grant Trigger, RACER Dave Favero, RACER		
RE:	**Sub-Slab Depressurization System Monitoring Plan** **RACER: Willow Run Company Vehicle Operations** **2901 Tyler Road, Ypsilanti, Michigan**		

DRAFT FOR REVIEW

1.0 Introduction

In December 2013 Revitalizing Auto Communities Environmental Response Trust (RACER) submitted an Interim Measures Work Plan (IMWP) – Part I for the Willow Run Company Vehicle Operations (CVO) property located in Ypsilanti, Michigan (Site) for the excavation of paint sludge and impacted soils beneath the northern portion of the Haulaway Building at the Site. As part of this Interim Measure, a sub-slab depressurization system (SSDS) was installed to prevent soil gases from infiltrating the building. On behalf of RACER, Conestoga-Rovers & Associates, Inc. (CRA) has prepared this memo to summarize the monitoring plan for the SSDS installed beneath a portion of the Haulaway Building at the Site.

2.0 Sub-Slab Depressurization System

To prevent soil gases from infiltrating the building, cracks, concrete penetrations, manholes (unused) and trenches were filled and capped with concrete and a SSDS was installed beneath a portion of the building. The area covered by the SSDS is shown on Figure 1 and was defined by sub-slab soil gas results presented in the IMWP-Part 1.

The installation of the SSDS was based on the ASTM E212-11 "Standard Practice for Installing Radon Mitigation Systems in Existing Low-Rise Residential Buildings". The system was designed to provide a minimum vacuum of 0.0161 inches of water column (in. WC) throughout the area of the sub-slab identified in Figure 1. A pilot test was completed and a radius of influence of 30 feet was established based on the pilot test results.

Figure 2 identifies the layout of the installed system. This includes the suction points, pipe runs, blower (exhaust) locations, and monitoring points. To ensure that the SSDS is continuously operated, a flow switch was installed near the inlet of each blower inside the building. Each flow switch will activate a visual alarm

REGISTERED COMPANY FOR ISO 9001 ENGINEERING DESIGN

EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER

inside the building if low or no air flow through the blower exists. Also, the fuse box that houses the switches for the blowers has been equipped with "constant on" shielded circuit breakers to prevent accidental power shutoff.

2.1 Monitoring Data

Following the installation of the SSDS, the sub-slab vacuum was monitored and the exhaust from the two blowers was sampled. Table 1 presents the compliance readings recorded to date, which identify that following sealing additional cracks on February 6th, 2014, the vacuum beneath the slab meets the design criteria throughout the area identified on Figure 1.

On February 25, March 20, and April 24, 2014, 24-hour exhaust samples from the two blowers were collected utilizing SUMMA canisters and were analyzed for VOCs in accordance with U.S. Environmental Protection Agency Method TO-15. Table 2 presents the chemical analysis results for these samples. Compounds detected in each sample are listed below.

Sample 1 (2/25/2014)	Sample 2 (3/20/2014)	Sample 3 (4/24/2014)
cis-1,2-Dichloroethene (cis-DCE)	cis-DCE	cis-DCE
Trichloroethene (TCE)	TCE	TCE
Vinyl Chloride (VC)	VC	VC
	1,1-Dichloroethene	n-Hexane
	Trans-1,2-Dichloroethene	2,2,4-Trimethylpentane
	Tetrachloroethene	Toluene

Attachment 1 provides a discussion of Rule 336.2201 of the Michigan Air Pollution Control Rules (MAPCR) and the applicability of Permit to Install (PTI) exemptions specifically as related to this Site. Attachment 2 contains the Data Validation Memorandum. Attachment 2 contains the data validation memorandum for the three sampling events.

3.0 Monitoring Plan

This section summarizes the plan for monitoring the installed SSDS.

3.1 Compliance Readings

Weekly readings have been collected for a period of eight weeks. The existing data indicates that the SSDS is operating as intended; therefore, the frequency of readings will be decreased. Quarterly readings will be collected to ensure that the SSDS is continuing to operate properly.

3.2 Exhaust Emissions

Table 3 summarizes the emission rates for the compounds detected in the exhaust samples that were collected. Based on the requirements of Rule 290 for an exemption of PTI, the monthly maximum emission rate for carcinogens is 20 lbs/month, and 1000 lbs/month for non-carcinogens.

Three rounds of monthly exhaust samples confirm that the SSDS emissions are below the maximum emission rates and are therefore exempt from air permitting. Based on the results of the three monthly samples, the SSDS is operating as intended and meets the requirements of Rule 290. No further sampling is planned at this point.

4.0 Conclusion

The RACER CVO SSDS is operating properly as demonstrated by the weekly vacuum readings and the monthly exhaust sampling completed. Vacuum readings will be collected quarterly to ensure the continued operation of the SSDS. Based on exhaust sampling results, no air permitting is required for the SSDS. Continuous operation of the SSDS is monitored with a remote visual alarm that will alert personnel if flow through the system has stopped and measures have been put in place to prevent the accidental power shutoff to the SSDS.

If you have any questions please do not hesitate to contact us.

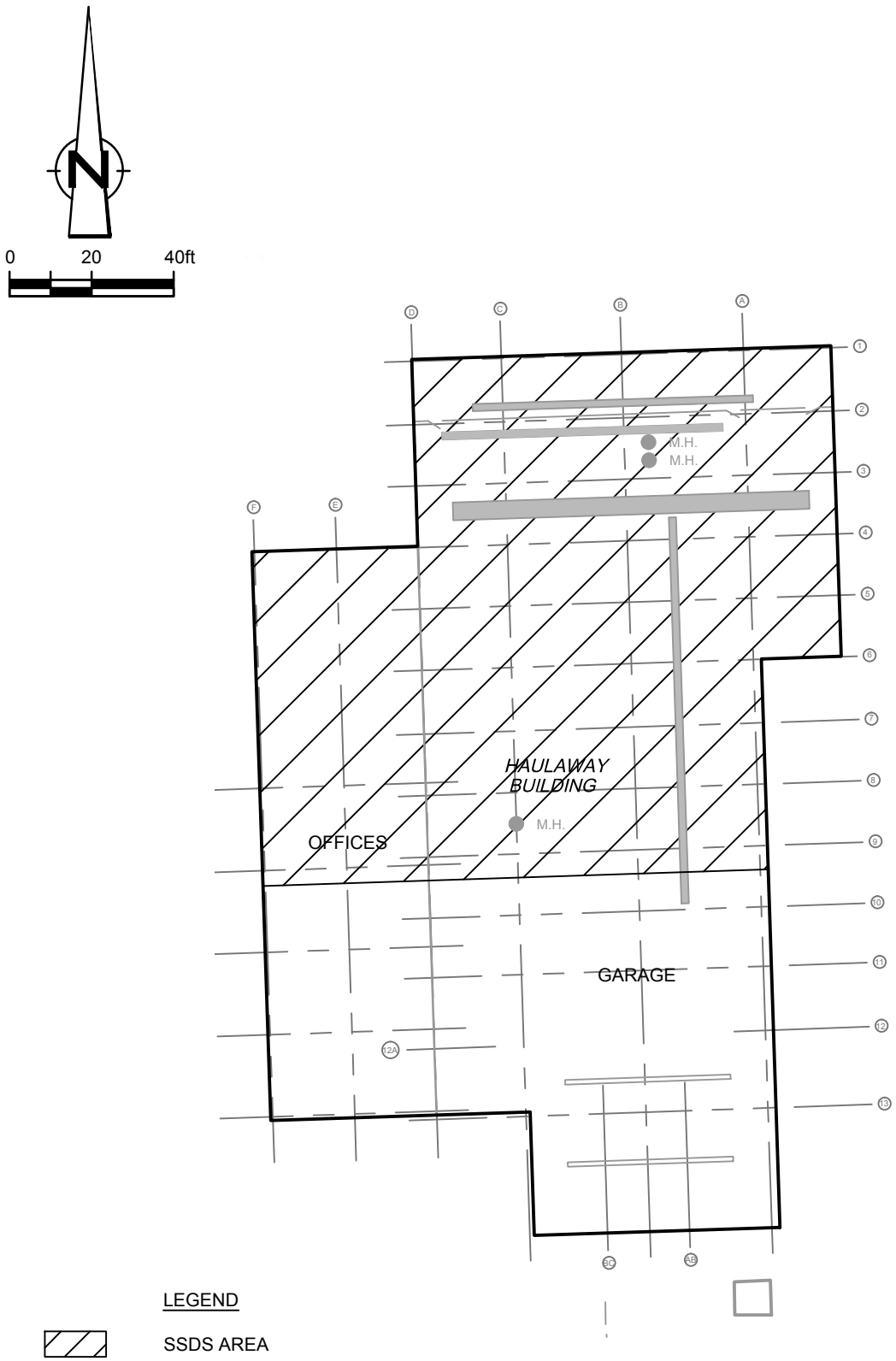
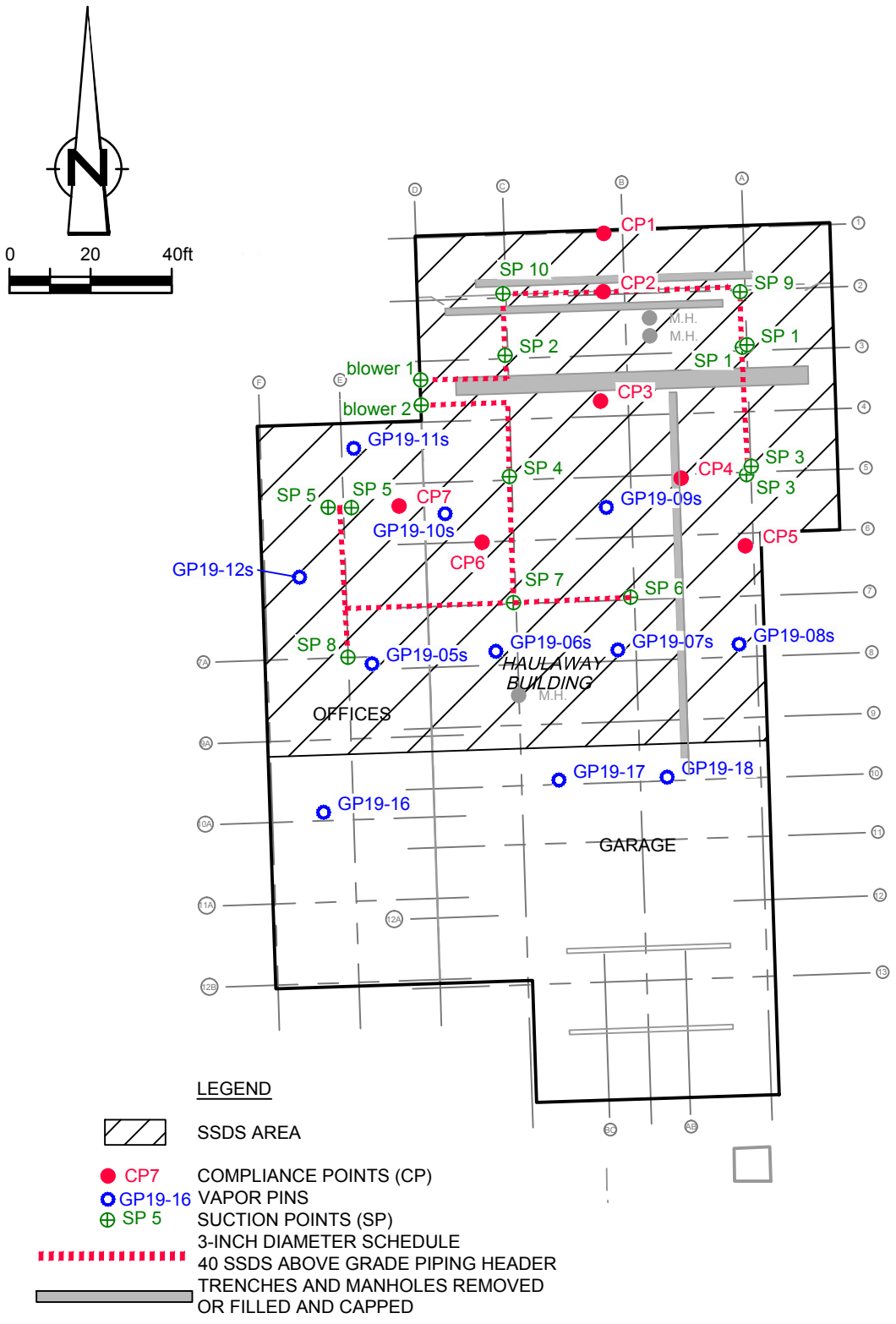


figure 1

SUB SLAB DEPRESSURIZATION SYSTEM
COVERAGE AREA
COMPANY VEHICLE OPERATIONS AREA
Ypsilanti, Michigan



NOTE: SP 1, 3, 5 - TWO SUCTION POINTS INSTALLED DUE TO BELOW SLAB OBSTRUCTIONS.

figure 2

SUB SLAB DEPRESSURIZATION SYSTEM INSTALLED SYSTEM LAYOUT COMPANY VEHICLE OPERATIONS AREA

Ypsilanti, Michigan

TABLE 1

COMPLIANCE READINGS
SUB SLAB DEPRESSURIZATION SYSTEM MONITORING PLAN
WILLOW RUN COMPANY VEHICLE OPERATIONS
YPSILANTI, MICHIGAN

	Vacuum Readings (inches of water column)									
Location	**1/24/2014**	**1/27/2014**	**2/6/2014**	**2/10/2014**	**2/25/2014**	**3/4/2014**	**3/10/2014**	**3/18/2014**	**3/25/2014**	**4/2/2014**
Subslab Monitoring Point Readings										
Compliance Point 1	-0.3	-0.348	-0.287	-0.254	-0.243	-0.161	-0.249	-0.191	-0.246	-0.152
Compliance Point 2	-0.32	-0.102	-0.039	-0.69	-0.070	-0.041	-0.017	-0.039	-0.112	-0.016
Compliance Point 3	-0.036	-0.062	-0.064	-0.065	-0.069	-0.047	-0.086	-0.077	-0.081	-0.081
Compliance Point 4	-0.207	-0.0054*	-0.263	-0.265	-0.267	-0.241	-0.283	-0.071	-0.292	-0.303
Compliance Point 5	-0.06	-0.053	-0.071	-0.068	-0.069	-0.066	-0.079	-0.066	-0.077	-0.089
Compliance Point 6	-0.429	-0.501	-0.578	-0.585	-0.644	-0.557	-0.727	-0.712	-0.766	-0.876
Compliance Point 7	-0.121	-0.134	-0.152	-0.163	-0.167	-0.153	-0.161	-0.159	-0.179	-0.192
GP19-05S	-1.129	-1.116	-1.041	-1.046	-1.064	-0.992	-1.086	-1.099	-1.127	-1.191
GP19-06S	-0.37	-0.426	-0.485	-0.484	-0.524	-0.453	-0.577	-0.573	-0.622	-0.685
GP19-07S	-0.28	-0.341	-0.389	-0.395	-0.401	-0.355	-0.482	-0.476	-0.499	-0.505
GP19-08S	n/a	n/a	-0.052	-0.048	-0.042	-0.049	-0.061	-0.067	-0.064	-0.063
GP19-09S	-0.063	-0.077	-0.091	-0.098	-0.119	-0.093	-0.155	-0.151	-0.146	-0.157
GP19-10S	-0.035	-0.049	-0.061	-0.062	-0.068	-0.058	-0.071	-0.069	-0.081	-0.098
GP19-11S	-0.076	-0.878	-0.101	-0.117	-0.113	-0.107	-0.109	-0.111	-0.124	-0.126
GP19-12S	-0.06	-0.0645	-0.071	-0.074	-0.079	-0.078	-0.075	-0.076	-0.085	-0.101
GP19-16**	-0.031	-0.0903	-0.005	-0.001	-0.001	-0.002	-0.001	-0.004	-0.002	-0.011
GP19-17	n/a	-0.065	-0.077	-0.074	-0.081	-0.062	-0.114	-0.123	-0.139	-0.131
GP19-18	n/a	-0.046	-0.046	-0.052	-0.063	-0.067	-0.078	-0.093	-0.109	-0.097
Suction Point Readings										
1***	n/a	-1.79/-1.79	-1.801/-1.799	-1.808/-1.798	-1.816/-1.832	-1.764/-1.775	-1.793/-1.782	-1.766/-1.768	-1.783/-1.779	-1.727/-1.731
2	n/a	-1.97	-1.949	-1.941	-1.947	-1.908	-1.935	-1.899	-1.938	-1.861
3***	n/a	-1.77/-1.77	-1.776/-1.787	-1.771/-1.788	-1.806/-1.807	-1.759/-1.752	-1.761/-1.765	-1.741/-1.748	-1.778/-1.774	-1.712/-1.721
4	n/a	-5.27	-5.267	-5.332	-5.344	-5.195	-5.395	-5.451	-5.604	-5.537
5***	n/a	-5.1/-5.1	-5.088/-5.091	-5.091/-5.078	-5.176/-5.190	-5.119/-5.081	-5.197/-5.205	-5.261/-5.251	-5.361/-5.367	-5.387/-5.383
6	n/a	-5.08	-5.061	-5.089	-5.203	-4.985	-5.225	-5.283	-5.403	-5.408
7	n/a	-5.08	-5.076	-5.095	-5.180	-5.026	-5.224	-5.277	-5.437	-5.389
8	n/a	n/a	-5.064	-5.072	-5.153	-4.991	-5.219	-5.263	-5.391	-5.344
9	n/a	-1.79	-1.792	-1.796	-1.814	-1.761	-1.785	-1.766	-1.774	-1.724
10	n/a	-1.97	-1.847	-1.859	-1.861	-1.805	-1.829	-1.788	-1.785	-1.753
Blower 1 Inlet	n/a	-2.41	-2.447	-2.449	-2.451	-2.391	-2.432	-2.426	-2.416	-2.314
Blower 2 Inlet	n/a	-5.71	-5.732	-5.863	-5.931	-5.734	-5.887	-5.907	-6.04	-6.038

Notes:

-System installed on January 22nd 2014, final modifications to system and intstallation of compliance points was completed on January 24th, 2014

-*Reading on 1/27/2014 was below design criteria, on February 6th, 2014, cracks around compliance points 4,5 and suction point 3 were sealed by CRA

-**Location outside of radius of influence per design

-***Two suction points installed at these locations due to below slab obstructions

-Readings on 1/24/2014 were conducted by Duke/TRC, all other readings conducted by CRA

-SSDS Design Criteria: Subslab: Minimum vacuum of -0.0161 in. WC

TABLE 2

ANALYTICAL DATA
SUB SLAB DEPRESSURIZATION SYSTEM MONITORING PLAN
WILLOW RUN COMPANY VEHICLE OPERATIONS
YPSILANTI, MICHIGAN

Sample Location:		***Blower #1***	***Blower #1***	***Blower #1***	***Blower #2***	***Blower #2***	***Blower #2***
Sample ID:		***GE-17303-022514-DB-001***	***GE-17303-032014-DB-003***	***GE-17303-042414-DB-005***	***GE-17303-022514-DB-002***	***GE-17303-032014-DB-004***	***GE-17303-042414-DB-006***
Sample Date:		***02/26/2014***	***03/21/2014***	***04/24/2014***	***02/26/2014***	***03/21/2014***	***04/24/2014***
Parameters	***Units***						
VOCs							
1,1,1-Trichloroethane	ug/m3	650 U	470 U	3.3 U	52 U	36 U	31 U
1,1,2,2-Tetrachloroethane	ug/m3	820 U	590 U	4.1 U	65 U	46 U	39 U
1,1,2-Trichloroethane	ug/m3	650 U	470 U	3.3 U	52 U	36 U	31 U
1,1-Dichloroethane	ug/m3	480 U	350 U	2.4 U	38 U	27 U	23 U
1,1-Dichloroethene	ug/m3	470 U	340 U	2.4 U	37 U	48	22 U
1,2,4-Trichlorobenzene	ug/m3	2200 U	1600 U	11 U	180 U	120 U	110 U
1,2,4-Trimethylbenzene	ug/m3	590 U	430 U	2.9 U	46 U	33 U	28 U
1,2-Dibromoethane (Ethylene dibromide)	ug/m3	920 U	670 U	4.6 U	73 U	51 U	43 U
1,2-Dichlorobenzene	ug/m3	720 U	520 U	3.6 U	57 U	40 U	34 U
1,2-Dichloroethane	ug/m3	480 U	350 U	2.4 U	38 U	27 U	23 U
1,2-Dichloroethene (total)	ug/m3	33000	37000	260	370	575	400
1,2-Dichloropropane	ug/m3	550 U	400 U	2.8 U	44 U	31 U	26 U
1,2-Dichlorotetrafluoroethane (CFC 114)	ug/m3	840 U	610 U	4.2 U	66 U	47 U	40 U
1,3,5-Trimethylbenzene	ug/m3	590 U	430 U	2.9 U	46 U	33 U	28 U
1,3-Butadiene	ug/m3	260 U	190 U	1.3 U	21 U	15 U	13 U
1,3-Dichlorobenzene	ug/m3	720 U	520 U	3.6 U	57 U	40 U	34 U
1,4-Dichlorobenzene	ug/m3	720 U	520 U	3.6 U	57 U	40 U	34 U
1,4-Dioxane	ug/m3	11000 U	7800 U	54 U	850 U	600 U	510 U
2,2,4-Trimethylpentane	ug/m3	560 U	400 U	6.8	44 U	31 U	26 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/m3	880 U	640 U	4.4 U	70 U	49 U	42 U
2-Chlorotoluene	ug/m3	620 U	450 U	3.1 U	49 U	35 U	29 U
2-Hexanone	ug/m3	1200 U	890 U	6.1 U	97 U	68 U	58 U
2-Phenylbutane (sec-Butylbenzene)	ug/m3	660 U	480 U	3.3 U	52 U	37 U	31 U
4-Ethyl toluene	ug/m3	590 U	430 U	2.9 U	46 U	33 U	28 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/m3	1200 U	890 U	6.1 U	97 U	68 U	58 U
Acetone	ug/m3	7100 U	5100 U	36 U	560 U	400 U	340 U
Allyl chloride	ug/m3	940 U	680 U	4.7 U	74 U	52 U	44 U
Benzene	ug/m3	380 U	280 U	1.9 U	30 U	21 U	18 U
Benzyl chloride	ug/m3	620 U	450 U	3.1 U	49 U	35 U	29 U
Bromodichloromethane	ug/m3	800 U	580 U	4.0 U	63 U	45 U	38 U
Bromoform	ug/m3	1200 U	900 U	6.2 U	98 U	69 U	59 U
Bromomethane (Methyl bromide)	ug/m3	460 U	340 U	2.3 U	37 U	26 U	22 U
Butane	ug/m3	710 U	510 U	3.6 U	56 U	40 U	34 U
Carbon disulfide	ug/m3	930 U	670 U	4.7 U	73 U	52 U	44 U
Carbon tetrachloride	ug/m3	750 U	540 U	3.8 U	59 U	42 U	36 U
Chlorobenzene	ug/m3	550 U	400 U	2.8 U	43 U	31 U	26 U
Chlorodifluoromethane	ug/m3	1100 U	770 U	5.3 U	83 U	59 U	50 U
Chloroethane	ug/m3	790 U	570 U	3.9 U	62 U	44 U	37 U
Chloroform (Trichloromethane)	ug/m3	580 U	420 U	2.9 U	46 U	33 U	28 U
Chloromethane (Methyl chloride)	ug/m3	620 U	450 U	3.1 U	49 U	34 U	29 U
cis-1,2-Dichloroethene	ug/m3	33000	37000	260	370	540	410
cis-1,3-Dichloropropene	ug/m3	540 U	390 U	2.7 U	43 U	30 U	26 U
Cyclohexane	ug/m3	410 U	300 U	2.1 U	32 U	23 U	19 U
Cymene (p-Isopropyltoluene)	ug/m3	660 U	480 U	3.3 U	52 U	37 U	31 U
Dibromochloromethane	ug/m3	1000 U	740 U	5.1 U	80 U	57 U	48 U
Dichlorodifluoromethane (CFC-12)	ug/m3	1500 U	1100 U	7.4 U	120 U	83 U	70 U
Ethylbenzene	ug/m3	520 U	380 U	2.6 U	41 U	29 U	25 U
Hexachlorobutadiene	ug/m3	1300 U	920 U	6.4 U	100 U	71 U	60 U
Hexane	ug/m3	420 U	310 U	2.4	33 U	24 U	20 U
Isopropyl alcohol	ug/m3	7300 U	5300 U	37 U	580 U	410 U	350 U
Isopropyl benzene	ug/m3	590 U	430 U	2.9 U	46 U	33 U	28 U
m&p-Xylenes	ug/m3	1300 U	940 U	6.5 U	100 U	73 U	61 U
Methyl methacrylate	ug/m3	1200 U	890 U	6.1 U	97 U	68 U	58 U
Methyl tert butyl ether (MTBE)	ug/m3	430 U	310 U	2.2 U	34 U	24 U	20 U
Methylene chloride	ug/m3	1000 U	750 U	5.2 U	82 U	58 U	49 U
Naphthalene	ug/m3	1600 U	1100 U	7.8 U	120 U	88 U	74 U
N-Butylbenzene	ug/m3	660 U	480 U	3.3 U	52 U	37 U	31 U
N-Heptane	ug/m3	490 U	350 U	2.5 U	39 U	27 U	23 U
N-Propylbenzene	ug/m3	590 U	430 U	2.9 U	46 U	33 U	28 U
o-Xylene	ug/m3	520 U	380 U	2.6 U	41 U	29 U	25 U
Styrene	ug/m3	510 U	370 U	2.5 U	40 U	28 U	24 U
tert-Butyl alcohol	ug/m3	9100 U	6600 U	45 U	720 U	510 U	430 U
tert-Butylbenzene	ug/m3	660 U	480 U	3.3 U	52 U	37 U	31 U
Tetrachloroethene	ug/m3	810 U	590 U	4.1 U	64 U	55	38 U
Tetrahydrofuran	ug/m3	8800 U	6400 U	44 U	700 U	490 U	420 U
Toluene	ug/m3	450 U	330 U	5.6	36 U	25 U	21 U
trans-1,2-Dichloroethene	ug/m3	470 U	340 U	2.4 U	37 U	35	22 U
trans-1,3-Dichloropropene	ug/m3	540 U	390 U	2.7 U	43 U	30 U	26 U
Trichloroethene	ug/m3	82000	77000	95	6100	6800	4300
Trichlorofluoromethane (CFC-11)	ug/m3	670 U	490 U	3.4 U	53 U	38 U	32 U
Trifluorotrichloroethane (Freon 113)	ug/m3	920 U	660 U	4.6 U	72 U	51 U	43 U
Vinyl bromide (Bromoethene)	ug/m3	520 U	380 U	2.6 U	41 U	29 U	25 U
Vinyl chloride	ug/m3	1200	1100	12	440	110	14 U
Xylenes (total)	ug/m3	520 U	380 U	2.6 U	41 U	29 U	25 U

Footnotes:
U Not detected at the associated reporting limit.

TABLE 3

EMISSIONS SUMMARY
SUB SLAB DEPRESSURIZATION SYSTEM MONITORING PLAN
WILLOW RUN COMPANY VEHICLE OPERATIONS
YPSILANTI, MICHIGAN

	Blower 1				Blower 2			
			Emission Rate				Emission Rate	
Analyte	Conc. (ug/m^3)	Flow Rate (m^3/min)	Carcinogens[1] (lbs/month)	Non-Carcinogens[2] (lbs/month)	Conc. (ug/m^3)	Flow Rate (m^3/min)	Carcinogens[1] (lbs/month)	Non-Carcinogens[2] (lbs/month)
Sampling Event 1 (2/25/2014)								
cis-1,2-Dichloroethene	33,000	1.92		6.03	370	1.81		0.06
Trichloroethene	82,000	1.92	14.98		6,100	1.81	1.05	
Vinyl chloride	1,200	1.92	0.22		440	1.81	0.08	
		Total	**15.20**	**6.03**		**Total**	**1.13**	**0.06**
Sampling Event 2 (3/20/2014)								
cis-1,2-Dichloroethene	37,000	1.96		6.91	540	1.72		0.09
Trichloroethene	77,000	1.96	14.39		6,800	1.72	1.12	
Vinyl chloride	1,100	1.96	0.21		110	1.72	0.02	
1,1-Dichloroethene	NA	NA	NA	NA	48	1.72		0.01
trans-1,2-Dichloroethene	NA	NA	NA	NA	35	1.72		0.01
Tetrachloroethene	NA	NA	NA	NA	55	1.72	0.01	
		Total	**14.60**	**6.91**		**Total**	**1.15**	**0.11**
Sampling Event 3 (4/24/2014)								
cis-1,2-Dichloroethene	260	1.79		0.044	410	1.52		0.06
Trichloroethene	95	1.79	0.016		4300	1.52	0.62	
Vinyl chloride	12	1.79	0.002		N/A	N/A	N/A	N/A
n-Hexane	2.4	1.79		0.0004	N/A	N/A	N/A	N/A
2,2,4-Trimethylpentane	6.8	1.79		0.0012	N/A	N/A	N/A	N/A
Toluene	5.6	1.79		0.0010	N/A	N/A	N/A	N/A
		Total	**0.02**	**0.05**		**Total**	**0.62**	**0.06**

Notes:

-Flow Rate= velocity * area of discharge pipe (radius= 0.125 ft)

-Emissions= conc.* flow rate (converted to kg/month and lbs/months)

-NA: Concentrations not detected above the Method Detection Limit/Reporting Limit

-1: Carcinogens (Initial Risk Screening Level >= 0.04 ug/m^3)

-2: Non-Carcinogens (Initial Threshold Screening Level >= 2 ug/m^3)

-Carcinogen Emission Limits per Rule 290: Uncontrolled Emissions <20 lbs/month

-Non-Carcinogen Emission Limits per Rule 290: Uncontrolled Emission <1000 lbs/month

Attachment 1

RACER CVO - SSDS Emissions and Rule 290
February 2014 - Initial Stack Sampling Results Memo

CONESTOGA-ROVERS & ASSOCIATES

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MEMORANDUM

TO:	Beth Landale	REF. NO.:	017303
FROM:	Eric Jones/bw/162/Det.	DATE:	March 31, 2014
CC:	Nicole Shanks Dan Beck		
RE:	**RACER CVO – SSDS Emissions and Rule 290 February 2014 – Initial Stack Sampling Results**		

1.0 Definitions

Air Contaminant: a dust, fume, gas, mist, odor, smoke, vapor, or any combination thereof.

Air Pollution Control Equipment: any method, process, or equipment that removes, reduces, or renders less noxious air contaminants discharged into the atmosphere.

Carcinogen: any of the following:

(i) **Group A:** Any substance for which there is sufficient evidence from human epidemiological studies to support a causal association between exposure to the agent and cancer.

(ii) **Group B:** Any substance for which the weight of evidence of human carcinogenicity based on epidemiological studies is limited evidence or for which the weight of evidence of carcinogenicity based on animal studies is sufficient evidence.

(iii) **Group C:** Any substance for which there is limited evidence of carcinogenicity in animals in the absence of human data and which causes a significant increased incidence of benign or malignant tumors in a single, well-conducted animal bioassay.

Control Equipment: air pollution control equipment.

Emission Unit: any part of a stationary source that emits or has the potential to emit an air contaminant.

Initial Risk Screening Level (IRSL): the concentration of a possible, probable, or known human carcinogen in ambient air which has been calculated for regulatory purposes to produce an estimated upper-bound lifetime cancer risk of 1 in 1,000,000.

Initial Threshold Screening Level (ITSL): a concentration of toxic air contaminant in the ambient air which is used to evaluate noncarcinogenic health effects from a proposed new or modified process.

MDEQ-AQD: Air Quality Division of the Michigan Department of Environmental Quality

Method Detection Limit (MDL): the smallest amount of a substance that an analytical method can reliably distinguish from zero. More formally, it is the minimum concentration or amount of a target analyte that produces a signal the analyst can distinguish, at a specified confidence level (typically 99%), from the signal produced by a blank.

Particulate Matter (PM): any air contaminant existing as a finely divided liquid or solid, other than uncombined water

Permit to Install (PTI): a permit issued by the MDEQ-AQD authorizing the construction, installation, relocation, or alteration of any process, fuel-burning, refuse-burning, or control equipment in accordance with approved plans and specifications.

Permit to Operate (PTO): a permit issued by the MDEQ-AQD authorizing the use of any process, fuel-burning, refuse-burning, or control equipment for the period indicated after it has been demonstrated that it can be operated in compliance with these rules. The requirement to obtain a permit to operate was removed from these rules effective July 26, 1995. Permits to operate issued before that date remain in effect and legally enforceable unless they are voided pursuant to R 336.1201(6).

Person: any of the following:

(iv) An individual person
(v) Trustee
(vi) Court-appointed representative
(vii) Syndicate
(viii) Association
(ix) Partnership
(x) Firm
(xi) Club
(xii) Company
(xiii) Corporation.
(xiv) Business trust
(xv) Institution
(xvi) Agency
(xvii) Government corporation
(xviii) Municipal corporation
(xix) City
(xx) County
(xxi) Municipality
(xxii) District
(xxiii) Other political subdivision, department, bureau, agency, or instrumentality of federal, state, or local government
(xxiv) Other entity recognized by law as the subject of rights and duties

PM-10: PM that has an aerodynamic diameter less than or equal to a nominal 10 micrometers

Process: an action, operation, or a series of actions or operations at a source that emits or has the potential to emit an air contaminant.

Rule: MDEQ-AQD Rule.

Significant: a rate of emissions for the following air contaminants which would equal or exceed any of the following:

(i) Carbon Monoxide (CO) - 100 tons per year.
(ii) Nitrogen Oxides (NO_X) - 40 tons per year.
(iii) Sulfur Dioxide (SO_2) - 40 tons per year.

(iv) PM - 25 tons per year.

(v) PM-10 - 15 tons per year.

(vi) Volatile Organic Compounds (VOCs) - 40 tons per year.

(vii) Lead (Pb) - 0.6 tons per year.

Stationary Source: all buildings, structures, facilities, or installations which emit or have the potential to emit 1 or more air contaminants, which are located at 1 or more contiguous or adjacent properties, which are under the control of the same person, and which have the same 2-digit major group code associated with their primary activity. In addition, a stationary source includes any other buildings, structures, facilities, or installations which emit or have the potential to emit 1 or more air contaminants, which are located at 1 or more contiguous or adjacent properties, which are under the control of the same person, and which have a different 2-digit major group code, but which support the primary activity. Buildings, structures, facilities, or installations, are considered to support the primary activity if 50% or more of their output is dedicated to the primary activity.

2.0 Design Parameters

Given the design parameters provided:

- An active sub-slab depressurization system (SSDS)
- Two blowers/stacks
- 3-inch diameter stack on both blowers
- Blower #1 discharging 68 cubic feet per minute (cfm)
- Blower #2 discharging 64 cfm
- A standard 30-day month

3.0 Stack Testing Results

On February 25, 2014, CRA personnel obtained stack samples utilizing SUMMA canisters. The samples were analyzed by Test America for VOCs in accordance with U.S. EPA Method TO-15 on March 7 and 10, 2014. Test America's Analytical Report is provided as Attachment 1 to this memorandum.

Utilizing the aforementioned design parameters, I have calculated the following air contaminant emission rates from each stack. Table 1 provides the emission rates from both blowers/stacks.

As indicated in the definition for MDL, results below the MDL are not statistically different from the method blank or zero. As such, I have considered all results below the MDL to not be emitted. This results in the following emission rates for each blower/stack.

All of the detected analytes listed below are either non-carcinogenic and have ITSLs greater than 2.0 micrograms per cubic meter ($\mu g/m^3$) (List A)[1] or are carcinogens with an IRSL greater than 0.04 $\mu g/m^3$ (List C). None of the detected analytes had an ITSL or IRSL less than 0.04 $\mu g/m^3$.

[1] Refers to subparagraph number of Michigan Rule 336.1290(a)(ii).

Table 3.1 - Emission Rates for Detected Compounds

	Emission Rate (pounds/month)	
Blower/Stack #1	**List A**	**List C**
1,2-Dichloroethene	6.052	
Trichloroethene		15.038
Vinyl chloride		0.220
Grand Total	**6.052**	**15.258**

	Emission Rate (pounds/month)	
Blower/Stack #2	**List A**	**List C**
1,2-Dichloroethene	0.064	
Trichloroethene		1.053
Vinyl chloride		0.076
Grand Total	**0.064**	**1.129**

4.0 Air Permit Applicability

Rule 336.2201 (a.k.a., Rule 201) of the Michigan Air Pollution Control Rules (MAPCR) requires a person to obtain a Permit to Install (PTI) prior to the installation, construction, reconstruction, relocation, or modification of equipment that emits air contaminants unless the source is exempt from the permitting process. Rules 336.1280 to 336.1290 identify operations that are exempted from the requirement to obtain a PTI.

4.1 Exclusion From Permit To Install Exemptions

Michigan Rule R 336.1278 excludes the exemptions listed in Rules 280 through 290 from applying in certain instances.

R 336.1278 Exclusion from exemption.

Rule 278(1): The exemptions specified in R 336.1280 to R 336.1290 do not apply to either of the following:

(a) Any activity that is subject to 40 C.F.R. §52.21, prevention of significant deterioration regulations, or R 336.1220, nonattainment new source review regulations.

Washtenaw County, in which the emission unit is located, is currently an attainment area for all criteria pollutants. Subsequently, Rule 278(1)(a) does not apply.

(b) Any activity that results in an increase in actual emissions greater than the significance levels defined in R 336.1119. For the purpose of this rule, "activity" means the concurrent and related installation, construction, reconstruction, relocation, or modification of any process or process equipment.

As shown above, the Site's total air contaminant emission rate is less than the significance level for VOCs (see Section 1.0 for the definition of significant). Subsequently, Rule 278(1)(b) does not apply.

Rule 278(2): The exemptions specified in R336.1280 to R336.1290 do not apply to the construction of a new major source of hazardous air pollutants or reconstruction of a major source of hazardous air pollutants, as defined in and subject to 40 C.F.R. §63.2 and §63.5(b)(3), national emission standards for hazardous air pollutants.

The Site is not a major HAP source.

Rule 278(3): The exemptions specified in R 336.1280 to R 336.1290 do not apply to a construction or modification as defined in and subject to 40 C.F.R. part 61, National Emission Standards for Hazardous Air Pollutants (NESHAP).

The Site is not subject to a NESHAP.

Consequently, the Site is not excluded from utilizing one of the permit exemptions listed in Rules 280 through 290.

4.2 Permit Exemption Applicability

As shown in Table 3.1, the RACER CVO SSDS is exempt from air permitting by the following:

4.2.1 Primary Exemption

R 336.1290 Permit to install exemptions; emission units with limited emissions.

Rule 290: The requirement of R 336.1201(1) to obtain a permit to install does not apply to any of the following emission units:

(a) An emission unit which meets any of the following criteria:

(i) Any emission unit that emits only noncarcinogenic volatile organic compounds or noncarcinogenic materials which are listed in R 336.1122(f) as not contributing appreciably to the formation of ozone, if the uncontrolled or controlled emissions of air contaminants are not more than 1,000 or 500 pounds per month, respectively.

(ii) Any emission unit that the total uncontrolled or controlled emissions of air contaminants are not more than 1,000 or 500 pounds per month, respectively, and all of the following criteria are met:

(A) For noncarcinogenic air contaminants, excluding noncarcinogenic volatile organic compounds and noncarcinogenic materials which are listed in R 336.1122(f) as not contributing appreciably to the formation of ozone, with initial threshold screening levels greater than or equal to 2.0 $\mu g/m^3$, the uncontrolled or controlled emissions shall not exceed 1,000 or 500 pounds per month, respectively.

(B) For noncarcinogenic air contaminants, excluding noncarcinogenic volatile organic compounds and noncarcinogenic materials which are listed in R 336.1122(f) as not contributing appreciably to the formation of ozone, with initial threshold screening levels greater than or equal to 0.04 $\mu g/m^3$ and less than 2.0 $\mu g/m^3$, the uncontrolled or controlled emissions shall not exceed 20 or 10 pounds per month, respectively.

(C) For carcinogenic air contaminants with initial risk screening levels greater than or equal to 0.04 $\mu g/m^3$, the uncontrolled or controlled emissions shall not exceed 20 or 10 pounds per month, respectively.

(D) The emission unit shall not emit any air contaminants, excluding noncarcinogenic volatile organic compounds and noncarcinogenic materials which are listed in R 336.1122(f) as not contributing appreciably to the formation of ozone, with an initial threshold screening level or initial risk screening level less than 0.04 $\mu g/m^3$.

4.2.2 Secondary Exemption

None.

TABLE 1
RACER CVO
ANALYTE EMISSION RATES

VOC	CAS_Number	Sample 001 Emission Rate			Sample 002 Emission Rate		
1,1,1-Trichloroethane	71-55-6	<	0.119	lb / month	<	0.009	lb / month
1,1,2,2-Tetrachloroethane	79-34-5	<	0.150	lb / month	<	0.011	lb / month
1,1,2-Trichloroethane	79-00-5	<	0.119	lb / month	<	0.009	lb / month
1,1-Dichloroethane	75-34-3	<	0.088	lb / month	<	0.007	lb / month
1,1-Dichloroethene	75-35-4	<	0.086	lb / month	<	0.006	lb / month
1,2,4-Trichlorobenzene	120-82-1	<	0.403	lb / month	<	0.031	lb / month
1,2,4-Trimethylbenzene	95-63-6	<	0.108	lb / month	<	0.008	lb / month
1,2-Dibromoethane	106-93-4	<	0.169	lb / month	<	0.013	lb / month
1,2-Dichlorobenzene	95-50-1	<	0.132	lb / month	<	0.010	lb / month
1,2-Dichloroethane	107-06-2	<	0.088	lb / month	<	0.007	lb / month
1,2-Dichloroethene	540-59-0		6.052	lb / month		0.064	lb / month
1,2-Dichloropropane	78-87-5	<	0.101	lb / month	<	0.008	lb / month
1,2-Dichlorotetrafluoroethane	76-14-2	<	0.154	lb / month	<	0.011	lb / month
1,3,5-Trimethylbenzene	108-67-8	<	0.108	lb / month	<	0.008	lb / month
1,3-Butadiene	106-99-0	<	0.048	lb / month	<	0.004	lb / month
1,3-Dichlorobenzene	541-73-1	<	0.132	lb / month	<	0.010	lb / month
1,4-Dichlorobenzene	106-46-7	<	0.132	lb / month	<	0.010	lb / month
1,4-Dioxane	123-91-1	<	2.017	lb / month	<	0.147	lb / month
2,2,4-Trimethylpentane	540-84-1	<	0.103	lb / month	<	0.008	lb / month
2-Chlorotoluene	95-49-8	<	0.114	lb / month	<	0.008	lb / month
3-Chloropropene	107-05-1	<	0.172	lb / month	<	0.013	lb / month
4-Ethyltoluene	622-96-8	<	0.108	lb / month	<	0.008	lb / month
4-Isopropyltoluene	99-87-6	<	0.121	lb / month	<	0.009	lb / month
Acetone	67-64-1	<	1.302	lb / month	<	0.097	lb / month
Benzene	71-43-2	<	0.070	lb / month	<	0.005	lb / month
Benzyl chloride	100-44-7	<	0.114	lb / month	<	0.008	lb / month
Bromodichloromethane	75-27-4	<	0.147	lb / month	<	0.011	lb / month
Bromoethene (Vinyl Bromide)	593-60-2	<	0.095	lb / month	<	0.007	lb / month
Bromoform	75-25-2	<	0.220	lb / month	<	0.017	lb / month
Bromomethane	74-83-9	<	0.084	lb / month	<	0.006	lb / month
Carbon disulfide	75-15-0	<	0.171	lb / month	<	0.013	lb / month
Carbon tetrachloride	56-23-5	<	0.138	lb / month	<	0.010	lb / month
Chlorobenzene	108-90-7	<	0.101	lb / month	<	0.007	lb / month
Chloroethane	75-00-3	<	0.145	lb / month	<	0.011	lb / month
Chloroform	67-66-3	<	0.106	lb / month	<	0.008	lb / month
Chloromethane	74-87-3	<	0.114	lb / month	<	0.008	lb / month
cis-1,3-Dichloropropene	10061-01-5	<	0.099	lb / month	<	0.007	lb / month
Cumene	98-82-8	<	0.108	lb / month	<	0.008	lb / month
Cyclohexane	110-82-7	<	0.075	lb / month	<	0.006	lb / month
Dibromochloromethane	124-48-1	<	0.183	lb / month	<	0.014	lb / month
Dichlorodifluoromethane	75-71-8	<	0.275	lb / month	<	0.021	lb / month
Ethylbenzene	100-41-4	<	0.095	lb / month	<	0.007	lb / month
Freon 22	75-45-6	<	0.202	lb / month	<	0.014	lb / month
Freon TF	76-13-1	<	0.169	lb / month	<	0.012	lb / month
Hexachlorobutadiene	87-68-3	<	0.238	lb / month	<	0.017	lb / month
Isopropyl alcohol	67-63-0	<	1.339	lb / month	<	0.100	lb / month
Methyl Butyl Ketone (2-Hexanone)	591-78-6	<	0.220	lb / month	<	0.017	lb / month

TABLE 1
RACER CVO
ANALYTE EMISSION RATES

		Sample 001			Sample 002		
VOC	*CAS_Number*	*Emission Rate*			*Emission Rate*		
Methyl Ethyl Ketone	78-93-3	<	0.161	lb / month	<	0.012	lb / month
methyl isobutyl ketone	108-10-1	<	0.220	lb / month	<	0.017	lb / month
Methyl methacrylate	80-62-6	<	0.220	lb / month	<	0.017	lb / month
Methyl tert-butyl ether	1634-04-4	<	0.079	lb / month	<	0.006	lb / month
Methylene Chloride	75-09-2	<	0.183	lb / month	<	0.014	lb / month
m-Xylene	108-38-3	<	0.238	lb / month	<	0.017	lb / month
Naphthalene	91-20-3	<	0.293	lb / month	<	0.021	lb / month
n-Butane	106-97-8	<	0.130	lb / month	<	0.010	lb / month
n-Butylbenzene	104-51-8	<	0.121	lb / month	<	0.009	lb / month
n-Heptane	142-82-5	<	0.090	lb / month	<	0.007	lb / month
n-Hexane	110-54-3	<	0.077	lb / month	<	0.006	lb / month
n-Propylbenzene	103-65-1	<	0.108	lb / month	<	0.008	lb / month
p-Xylene	106-42-3	<	0.238	lb / month	<	0.017	lb / month
sec-Butylbenzene	135-98-8	<	0.121	lb / month	<	0.009	lb / month
Styrene	100-42-5	<	0.094	lb / month	<	0.007	lb / month
tert-Butyl alcohol	75-65-0	<	1.669	lb / month	<	0.124	lb / month
tert-Butylbenzene	98-06-6	<	0.121	lb / month	<	0.009	lb / month
Tetrachloroethene	127-18-4	<	0.149	lb / month	<	0.011	lb / month
Tetrahydrofuran	109-99-9	<	1.614	lb / month	<	0.121	lb / month
Toluene	108-88-3	<	0.083	lb / month	<	0.006	lb / month
trans-1,2-Dichloroethene	156-60-5	<	0.086	lb / month	<	0.006	lb / month
trans-1,3-Dichloropropene	10061-02-6	<	0.099	lb / month	<	0.007	lb / month
Trichloroethene	79-01-6		15.038	lb / month		1.053	lb / month
Trichlorofluoromethane	75-69-4	<	0.123	lb / month	<	0.009	lb / month
Vinyl chloride	75-01-4		0.220	lb / month		0.076	lb / month
Xylene (total)	1330-20-7	<	0.095	lb / month	<	0.007	lb / month
Xylene, o-	95-47-6	<	0.095	lb / month	<	0.007	lb / month

Attachment 1

Test America Analytical Report

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-34644-1
Client Project/Site: 17303-T03-01Y14, RACER CVO

For:
Conestoga-Rovers & Associates, Inc.
14496 Sheldon Road, Suite 200
Plymouth, Michigan 48170

Attn: Rawa Fleisher

Denise D Heckler

Authorized for release by:
3/11/2014 2:14:58 PM

Denise Heckler, Project Manager II
(330)966-9477
denise.heckler@testamericainc.com

LINKS

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Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Definitions/Glossary 4
Sample Summary 5
Detection Summary 6
Method Summary 7
Client Sample Results 8
QC Association Summary 16
QC Sample Results 17
Lab Chronicle 30
Certification Summary 31
Chain of Custody 32
Receipt Checklists 34
Clean Canister Certification 35
Pre-Ship Certification 35
Clean Canister Data 37

Job ID: 240-34644-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 17303-T03-01Y14, RACER CVO

Report Number: 240-34644-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 02/28/2014; the samples arrived in good condition.

VOLATILE ORGANIC COMPOUNDS

Samples GE-17303-022514-DB-001 (240-34644-1) and GE-17303-022514-DB-002 (240-34644-2) were analyzed for volatile organic compounds in accordance with EPA Method TO-15. The samples were analyzed on 03/07/2014 and 03/10/2014.

The continuing calibration verification (CCV) associated with batch 69261 recovered above the upper control limit for Butane. The sample associated with this CCV was non-detects for the affected analytes; therefore, the data has been reported. The following sample is impacted: GE-17303-022514-DB-002 (240-34644-2).

The continuing calibration verification (CCV) associated with batch 69314 recovered above the upper control limit for Acetone. The samples associated with this CCV were non-detects for the affected analytes.

Samples GE-17303-022514-DB-001 (240-34644-1)[598X] and GE-17303-022514-DB-002 (240-34644-2)[47.2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the VOCs analysis.

All quality control parameters were within the acceptance limits.

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

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
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-01Y14, RACER CVO

TestAmerica Job ID: 240-34644-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-34644-1	GE-17303-022514-DB-001	Air	02/26/14 13:13	02/28/14 11:25
240-34644-2	GE-17303-022514-DB-002	Air	02/26/14 13:13	02/28/14 11:25

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-01Y14, RACER CVO

TestAmerica Job ID: 240-34644-1

Client Sample ID: GE-17303-022514-DB-001 — Lab Sample ID: 240-34644-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	460		120	120	ppb v/v	598		TO-15	Total/NA
cis-1,2-Dichloroethene	8300		120	120	ppb v/v	598		TO-15	Total/NA
1,2-Dichloroethene, Total	8300		120	120	ppb v/v	598		TO-15	Total/NA
Trichloroethene	15000		120	120	ppb v/v	598		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	1200		310	310	ug/m3	598		TO-15	Total/NA
cis-1,2-Dichloroethene	33000		470	470	ug/m3	598		TO-15	Total/NA
1,2-Dichloroethene, Total	33000		470	470	ug/m3	598		TO-15	Total/NA
Trichloroethene	82000		640	640	ug/m3	598		TO-15	Total/NA

Client Sample ID: GE-17303-022514-DB-002 — Lab Sample ID: 240-34644-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	170		9.4	9.4	ppb v/v	47.2		TO-15	Total/NA
cis-1,2-Dichloroethene	93		9.4	9.4	ppb v/v	47.2		TO-15	Total/NA
1,2-Dichloroethene, Total	93		9.4	9.4	ppb v/v	47.2		TO-15	Total/NA
Trichloroethene	1100		9.4	9.4	ppb v/v	47.2		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	440		24	24	ug/m3	47.2		TO-15	Total/NA
cis-1,2-Dichloroethene	370		37	37	ug/m3	47.2		TO-15	Total/NA
1,2-Dichloroethene, Total	370		37	37	ug/m3	47.2		TO-15	Total/NA
Trichloroethene	6100		51	51	ug/m3	47.2		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-01Y14, RACER CVO

TestAmerica Job ID: 240-34644-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-01Y14, RACER CVO

TestAmerica Job ID: 240-34644-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Client Sample ID: GE-17303-022514-DB-001
Date Collected: 02/26/14 13:13
Date Received: 02/28/14 11:25

Lab Sample ID: 240-34644-1
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	300	U	300	300	ppb v/v			03/10/14 16:38	598
Freon 22	300	U	300	300	ppb v/v			03/10/14 16:38	598
1,2-Dichlorotetrafluoroethane	120	U	120	120	ppb v/v			03/10/14 16:38	598
Chloromethane	300	U	300	300	ppb v/v			03/10/14 16:38	598
n-Butane	300	U	300	300	ppb v/v			03/10/14 16:38	598
Vinyl chloride	**460**		120	120	ppb v/v			03/10/14 16:38	598
1,3-Butadiene	120	U	120	120	ppb v/v			03/10/14 16:38	598
Bromomethane	120	U	120	120	ppb v/v			03/10/14 16:38	598
Chloroethane	300	U	300	300	ppb v/v			03/10/14 16:38	598
Bromoethene(Vinyl Bromide)	120	U	120	120	ppb v/v			03/10/14 16:38	598
Trichlorofluoromethane	120	U	120	120	ppb v/v			03/10/14 16:38	598
Freon TF	120	U	120	120	ppb v/v			03/10/14 16:38	598
1,1-Dichloroethene	120	U	120	120	ppb v/v			03/10/14 16:38	598
Acetone	3000	U	3000	3000	ppb v/v			03/10/14 16:38	598
Isopropyl alcohol	3000	U	3000	3000	ppb v/v			03/10/14 16:38	598
Carbon disulfide	300	U	300	300	ppb v/v			03/10/14 16:38	598
3-Chloropropene	300	U	300	300	ppb v/v			03/10/14 16:38	598
Methylene Chloride	300	U	300	300	ppb v/v			03/10/14 16:38	598
tert-Butyl alcohol	3000	U	3000	3000	ppb v/v			03/10/14 16:38	598
Methyl tert-butyl ether	120	U	120	120	ppb v/v			03/10/14 16:38	598
trans-1,2-Dichloroethene	120	U	120	120	ppb v/v			03/10/14 16:38	598
n-Hexane	120	U	120	120	ppb v/v			03/10/14 16:38	598
1,1-Dichloroethane	120	U	120	120	ppb v/v			03/10/14 16:38	598
Methyl Ethyl Ketone	300	U	300	300	ppb v/v			03/10/14 16:38	598
cis-1,2-Dichloroethene	**8300**		120	120	ppb v/v			03/10/14 16:38	598
1,2-Dichloroethene, Total	**8300**		120	120	ppb v/v			03/10/14 16:38	598
Chloroform	120	U	120	120	ppb v/v			03/10/14 16:38	598
Tetrahydrofuran	3000	U	3000	3000	ppb v/v			03/10/14 16:38	598
1,1,1-Trichloroethane	120	U	120	120	ppb v/v			03/10/14 16:38	598
Cyclohexane	120	U	120	120	ppb v/v			03/10/14 16:38	598
Carbon tetrachloride	120	U	120	120	ppb v/v			03/10/14 16:38	598
2,2,4-Trimethylpentane	120	U	120	120	ppb v/v			03/10/14 16:38	598
Benzene	120	U	120	120	ppb v/v			03/10/14 16:38	598
1,2-Dichloroethane	120	U	120	120	ppb v/v			03/10/14 16:38	598
n-Heptane	120	U	120	120	ppb v/v			03/10/14 16:38	598
Trichloroethene	**15000**		120	120	ppb v/v			03/10/14 16:38	598
Methyl methacrylate	300	U	300	300	ppb v/v			03/10/14 16:38	598
1,2-Dichloropropane	120	U	120	120	ppb v/v			03/10/14 16:38	598
1,4-Dioxane	3000	U	3000	3000	ppb v/v			03/10/14 16:38	598
Bromodichloromethane	120	U	120	120	ppb v/v			03/10/14 16:38	598
cis-1,3-Dichloropropene	120	U	120	120	ppb v/v			03/10/14 16:38	598
methyl isobutyl ketone	300	U	300	300	ppb v/v			03/10/14 16:38	598
Toluene	120	U	120	120	ppb v/v			03/10/14 16:38	598
trans-1,3-Dichloropropene	120	U	120	120	ppb v/v			03/10/14 16:38	598
1,1,2-Trichloroethane	120	U	120	120	ppb v/v			03/10/14 16:38	598
Tetrachloroethene	120	U	120	120	ppb v/v			03/10/14 16:38	598
Methyl Butyl Ketone (2-Hexanone)	300	U	300	300	ppb v/v			03/10/14 16:38	598
Dibromochloromethane	120	U	120	120	ppb v/v			03/10/14 16:38	598
1,2-Dibromoethane	120	U	120	120	ppb v/v			03/10/14 16:38	598

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: GE-17303-022514-DB-001
Date Collected: 02/26/14 13:13
Date Received: 02/28/14 11:25

Lab Sample ID: 240-34644-1
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	120	U	120	120	ppb v/v			03/10/14 16:38	598
Ethylbenzene	120	U	120	120	ppb v/v			03/10/14 16:38	598
m,p-Xylene	300	U	300	300	ppb v/v			03/10/14 16:38	598
Xylene, o-	120	U	120	120	ppb v/v			03/10/14 16:38	598
Xylene (total)	120	U	120	120	ppb v/v			03/10/14 16:38	598
Styrene	120	U	120	120	ppb v/v			03/10/14 16:38	598
Bromoform	120	U	120	120	ppb v/v			03/10/14 16:38	598
Cumene	120	U	120	120	ppb v/v			03/10/14 16:38	598
1,1,2,2-Tetrachloroethane	120	U	120	120	ppb v/v			03/10/14 16:38	598
n-Propylbenzene	120	U	120	120	ppb v/v			03/10/14 16:38	598
4-Ethyltoluene	120	U	120	120	ppb v/v			03/10/14 16:38	598
1,3,5-Trimethylbenzene	120	U	120	120	ppb v/v			03/10/14 16:38	598
2-Chlorotoluene	120	U	120	120	ppb v/v			03/10/14 16:38	598
tert-Butylbenzene	120	U	120	120	ppb v/v			03/10/14 16:38	598
1,2,4-Trimethylbenzene	120	U	120	120	ppb v/v			03/10/14 16:38	598
sec-Butylbenzene	120	U	120	120	ppb v/v			03/10/14 16:38	598
4-Isopropyltoluene	120	U	120	120	ppb v/v			03/10/14 16:38	598
1,3-Dichlorobenzene	120	U	120	120	ppb v/v			03/10/14 16:38	598
1,4-Dichlorobenzene	120	U	120	120	ppb v/v			03/10/14 16:38	598
Benzyl chloride	120	U	120	120	ppb v/v			03/10/14 16:38	598
n-Butylbenzene	120	U	120	120	ppb v/v			03/10/14 16:38	598
1,2-Dichlorobenzene	120	U	120	120	ppb v/v			03/10/14 16:38	598
1,2,4-Trichlorobenzene	300	U	300	300	ppb v/v			03/10/14 16:38	598
Hexachlorobutadiene	120	U	120	120	ppb v/v			03/10/14 16:38	598
Naphthalene	300	U	300	300	ppb v/v			03/10/14 16:38	598

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1500	U	1500	1500	ug/m3			03/10/14 16:38	598
Freon 22	1100	U	1100	1100	ug/m3			03/10/14 16:38	598
1,2-Dichlorotetrafluoroethane	840	U	840	840	ug/m3			03/10/14 16:38	598
Chloromethane	620	U	620	620	ug/m3			03/10/14 16:38	598
n-Butane	710	U	710	710	ug/m3			03/10/14 16:38	598
Vinyl chloride	**1200**		310	310	ug/m3			03/10/14 16:38	598
1,3-Butadiene	260	U	260	260	ug/m3			03/10/14 16:38	598
Bromomethane	460	U	460	460	ug/m3			03/10/14 16:38	598
Chloroethane	790	U	790	790	ug/m3			03/10/14 16:38	598
Bromoethene(Vinyl Bromide)	520	U	520	520	ug/m3			03/10/14 16:38	598
Trichlorofluoromethane	670	U	670	670	ug/m3			03/10/14 16:38	598
Freon TF	920	U	920	920	ug/m3			03/10/14 16:38	598
1,1-Dichloroethene	470	U	470	470	ug/m3			03/10/14 16:38	598
Acetone	7100	U	7100	7100	ug/m3			03/10/14 16:38	598
Isopropyl alcohol	7300	U	7300	7300	ug/m3			03/10/14 16:38	598
Carbon disulfide	930	U	930	930	ug/m3			03/10/14 16:38	598
3-Chloropropene	940	U	940	940	ug/m3			03/10/14 16:38	598
Methylene Chloride	1000	U	1000	1000	ug/m3			03/10/14 16:38	598
tert-Butyl alcohol	9100	U	9100	9100	ug/m3			03/10/14 16:38	598
Methyl tert-butyl ether	430	U	430	430	ug/m3			03/10/14 16:38	598
trans-1,2-Dichloroethene	470	U	470	470	ug/m3			03/10/14 16:38	598
n-Hexane	420	U	420	420	ug/m3			03/10/14 16:38	598
1,1-Dichloroethane	480	U	480	480	ug/m3			03/10/14 16:38	598

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: GE-17303-022514-DB-001
Date Collected: 02/26/14 13:13
Date Received: 02/28/14 11:25

Lab Sample ID: 240-34644-1
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone	880	U	880	880	ug/m3			03/10/14 16:38	598
cis-1,2-Dichloroethene	**33000**		470	470	ug/m3			03/10/14 16:38	598
1,2-Dichloroethene, Total	**33000**		470	470	ug/m3			03/10/14 16:38	598
Chloroform	580	U	580	580	ug/m3			03/10/14 16:38	598
Tetrahydrofuran	8800	U	8800	8800	ug/m3			03/10/14 16:38	598
1,1,1-Trichloroethane	650	U	650	650	ug/m3			03/10/14 16:38	598
Cyclohexane	410	U	410	410	ug/m3			03/10/14 16:38	598
Carbon tetrachloride	750	U	750	750	ug/m3			03/10/14 16:38	598
2,2,4-Trimethylpentane	560	U	560	560	ug/m3			03/10/14 16:38	598
Benzene	380	U	380	380	ug/m3			03/10/14 16:38	598
1,2-Dichloroethane	480	U	480	480	ug/m3			03/10/14 16:38	598
n-Heptane	490	U	490	490	ug/m3			03/10/14 16:38	598
Trichloroethene	**82000**		640	640	ug/m3			03/10/14 16:38	598
Methyl methacrylate	1200	U	1200	1200	ug/m3			03/10/14 16:38	598
1,2-Dichloropropane	550	U	550	550	ug/m3			03/10/14 16:38	598
1,4-Dioxane	11000	U	11000	11000	ug/m3			03/10/14 16:38	598
Bromodichloromethane	800	U	800	800	ug/m3			03/10/14 16:38	598
cis-1,3-Dichloropropene	540	U	540	540	ug/m3			03/10/14 16:38	598
methyl isobutyl ketone	1200	U	1200	1200	ug/m3			03/10/14 16:38	598
Toluene	450	U	450	450	ug/m3			03/10/14 16:38	598
trans-1,3-Dichloropropene	540	U	540	540	ug/m3			03/10/14 16:38	598
1,1,2-Trichloroethane	650	U	650	650	ug/m3			03/10/14 16:38	598
Tetrachloroethene	810	U	810	810	ug/m3			03/10/14 16:38	598
Methyl Butyl Ketone (2-Hexanone)	1200	U	1200	1200	ug/m3			03/10/14 16:38	598
Dibromochloromethane	1000	U	1000	1000	ug/m3			03/10/14 16:38	598
1,2-Dibromoethane	920	U	920	920	ug/m3			03/10/14 16:38	598
Chlorobenzene	550	U	550	550	ug/m3			03/10/14 16:38	598
Ethylbenzene	520	U	520	520	ug/m3			03/10/14 16:38	598
m,p-Xylene	1300	U	1300	1300	ug/m3			03/10/14 16:38	598
Xylene, o-	520	U	520	520	ug/m3			03/10/14 16:38	598
Xylene (total)	520	U	520	520	ug/m3			03/10/14 16:38	598
Styrene	510	U	510	510	ug/m3			03/10/14 16:38	598
Bromoform	1200	U	1200	1200	ug/m3			03/10/14 16:38	598
Cumene	590	U	590	590	ug/m3			03/10/14 16:38	598
1,1,2,2-Tetrachloroethane	820	U	820	820	ug/m3			03/10/14 16:38	598
n-Propylbenzene	590	U	590	590	ug/m3			03/10/14 16:38	598
4-Ethyltoluene	590	U	590	590	ug/m3			03/10/14 16:38	598
1,3,5-Trimethylbenzene	590	U	590	590	ug/m3			03/10/14 16:38	598
2-Chlorotoluene	620	U	620	620	ug/m3			03/10/14 16:38	598
tert-Butylbenzene	660	U	660	660	ug/m3			03/10/14 16:38	598
1,2,4-Trimethylbenzene	590	U	590	590	ug/m3			03/10/14 16:38	598
sec-Butylbenzene	660	U	660	660	ug/m3			03/10/14 16:38	598
4-Isopropyltoluene	660	U	660	660	ug/m3			03/10/14 16:38	598
1,3-Dichlorobenzene	720	U	720	720	ug/m3			03/10/14 16:38	598
1,4-Dichlorobenzene	720	U	720	720	ug/m3			03/10/14 16:38	598
Benzyl chloride	620	U	620	620	ug/m3			03/10/14 16:38	598
n-Butylbenzene	660	U	660	660	ug/m3			03/10/14 16:38	598
1,2-Dichlorobenzene	720	U	720	720	ug/m3			03/10/14 16:38	598
1,2,4-Trichlorobenzene	2200	U	2200	2200	ug/m3			03/10/14 16:38	598

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-01Y14, RACER CVO

TestAmerica Job ID: 240-34644-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: GE-17303-022514-DB-001
Date Collected: 02/26/14 13:13
Date Received: 02/28/14 11:25

Lab Sample ID: 240-34644-1
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	1300	U	1300	1300	ug/m3			03/10/14 16:38	598
Naphthalene	1600	U	1600	1600	ug/m3			03/10/14 16:38	598

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-01Y14, RACER CVO

TestAmerica Job ID: 240-34644-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Client Sample ID: GE-17303-022514-DB-002
Date Collected: 02/26/14 13:13
Date Received: 02/28/14 11:25

Lab Sample ID: 240-34644-2
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	24	U	24	24	ppb v/v			03/07/14 23:44	47.2
Freon 22	24	U	24	24	ppb v/v			03/07/14 23:44	47.2
1,2-Dichlorotetrafluoroethane	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
Chloromethane	24	U	24	24	ppb v/v			03/07/14 23:44	47.2
n-Butane	24	U	24	24	ppb v/v			03/07/14 23:44	47.2
Vinyl chloride	**170**		9.4	9.4	ppb v/v			03/07/14 23:44	47.2
1,3-Butadiene	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
Bromomethane	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
Chloroethane	24	U	24	24	ppb v/v			03/07/14 23:44	47.2
Bromoethene(Vinyl Bromide)	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
Trichlorofluoromethane	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
Freon TF	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
1,1-Dichloroethene	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
Acetone	240	U	240	240	ppb v/v			03/07/14 23:44	47.2
Isopropyl alcohol	240	U	240	240	ppb v/v			03/07/14 23:44	47.2
Carbon disulfide	24	U	24	24	ppb v/v			03/07/14 23:44	47.2
3-Chloropropene	24	U	24	24	ppb v/v			03/07/14 23:44	47.2
Methylene Chloride	24	U	24	24	ppb v/v			03/07/14 23:44	47.2
tert-Butyl alcohol	240	U	240	240	ppb v/v			03/07/14 23:44	47.2
Methyl tert-butyl ether	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
trans-1,2-Dichloroethene	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
n-Hexane	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
1,1-Dichloroethane	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
Methyl Ethyl Ketone	24	U	24	24	ppb v/v			03/07/14 23:44	47.2
cis-1,2-Dichloroethene	**93**		9.4	9.4	ppb v/v			03/07/14 23:44	47.2
1,2-Dichloroethene, Total	**93**		9.4	9.4	ppb v/v			03/07/14 23:44	47.2
Chloroform	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
Tetrahydrofuran	240	U	240	240	ppb v/v			03/07/14 23:44	47.2
1,1,1-Trichloroethane	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
Cyclohexane	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
Carbon tetrachloride	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
2,2,4-Trimethylpentane	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
Benzene	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
1,2-Dichloroethane	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
n-Heptane	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
Trichloroethene	**1100**		9.4	9.4	ppb v/v			03/07/14 23:44	47.2
Methyl methacrylate	24	U	24	24	ppb v/v			03/07/14 23:44	47.2
1,2-Dichloropropane	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
1,4-Dioxane	240	U	240	240	ppb v/v			03/07/14 23:44	47.2
Bromodichloromethane	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
cis-1,3-Dichloropropene	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
methyl isobutyl ketone	24	U	24	24	ppb v/v			03/07/14 23:44	47.2
Toluene	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
trans-1,3-Dichloropropene	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
1,1,2-Trichloroethane	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
Tetrachloroethene	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
Methyl Butyl Ketone (2-Hexanone)	24	U	24	24	ppb v/v			03/07/14 23:44	47.2
Dibromochloromethane	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
1,2-Dibromoethane	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: GE-17303-022514-DB-002
Date Collected: 02/26/14 13:13
Date Received: 02/28/14 11:25

Lab Sample ID: 240-34644-2
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
Ethylbenzene	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
m,p-Xylene	24	U	24	24	ppb v/v			03/07/14 23:44	47.2
Xylene, o-	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
Xylene (total)	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
Styrene	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
Bromoform	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
Cumene	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
1,1,2,2-Tetrachloroethane	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
n-Propylbenzene	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
4-Ethyltoluene	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
1,3,5-Trimethylbenzene	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
2-Chlorotoluene	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
tert-Butylbenzene	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
1,2,4-Trimethylbenzene	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
sec-Butylbenzene	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
4-Isopropyltoluene	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
1,3-Dichlorobenzene	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
1,4-Dichlorobenzene	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
Benzyl chloride	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
n-Butylbenzene	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
1,2-Dichlorobenzene	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
1,2,4-Trichlorobenzene	24	U	24	24	ppb v/v			03/07/14 23:44	47.2
Hexachlorobutadiene	9.4	U	9.4	9.4	ppb v/v			03/07/14 23:44	47.2
Naphthalene	24	U	24	24	ppb v/v			03/07/14 23:44	47.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	120	U	120	120	ug/m3			03/07/14 23:44	47.2
Freon 22	83	U	83	83	ug/m3			03/07/14 23:44	47.2
1,2-Dichlorotetrafluoroethane	66	U	66	66	ug/m3			03/07/14 23:44	47.2
Chloromethane	49	U	49	49	ug/m3			03/07/14 23:44	47.2
n-Butane	56	U	56	56	ug/m3			03/07/14 23:44	47.2
Vinyl chloride	**440**		24	24	ug/m3			03/07/14 23:44	47.2
1,3-Butadiene	21	U	21	21	ug/m3			03/07/14 23:44	47.2
Bromomethane	37	U	37	37	ug/m3			03/07/14 23:44	47.2
Chloroethane	62	U	62	62	ug/m3			03/07/14 23:44	47.2
Bromoethene(Vinyl Bromide)	41	U	41	41	ug/m3			03/07/14 23:44	47.2
Trichlorofluoromethane	53	U	53	53	ug/m3			03/07/14 23:44	47.2
Freon TF	72	U	72	72	ug/m3			03/07/14 23:44	47.2
1,1-Dichloroethene	37	U	37	37	ug/m3			03/07/14 23:44	47.2
Acetone	560	U	560	560	ug/m3			03/07/14 23:44	47.2
Isopropyl alcohol	580	U	580	580	ug/m3			03/07/14 23:44	47.2
Carbon disulfide	73	U	73	73	ug/m3			03/07/14 23:44	47.2
3-Chloropropene	74	U	74	74	ug/m3			03/07/14 23:44	47.2
Methylene Chloride	82	U	82	82	ug/m3			03/07/14 23:44	47.2
tert-Butyl alcohol	720	U	720	720	ug/m3			03/07/14 23:44	47.2
Methyl tert-butyl ether	34	U	34	34	ug/m3			03/07/14 23:44	47.2
trans-1,2-Dichloroethene	37	U	37	37	ug/m3			03/07/14 23:44	47.2
n-Hexane	33	U	33	33	ug/m3			03/07/14 23:44	47.2
1,1-Dichloroethane	38	U	38	38	ug/m3			03/07/14 23:44	47.2

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: GE-17303-022514-DB-002
Date Collected: 02/26/14 13:13
Date Received: 02/28/14 11:25

Lab Sample ID: 240-34644-2
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone	70	U	70	70	ug/m3			03/07/14 23:44	47.2
cis-1,2-Dichloroethene	**370**		37	37	ug/m3			03/07/14 23:44	47.2
1,2-Dichloroethene, Total	**370**		37	37	ug/m3			03/07/14 23:44	47.2
Chloroform	46	U	46	46	ug/m3			03/07/14 23:44	47.2
Tetrahydrofuran	700	U	700	700	ug/m3			03/07/14 23:44	47.2
1,1,1-Trichloroethane	52	U	52	52	ug/m3			03/07/14 23:44	47.2
Cyclohexane	32	U	32	32	ug/m3			03/07/14 23:44	47.2
Carbon tetrachloride	59	U	59	59	ug/m3			03/07/14 23:44	47.2
2,2,4-Trimethylpentane	44	U	44	44	ug/m3			03/07/14 23:44	47.2
Benzene	30	U	30	30	ug/m3			03/07/14 23:44	47.2
1,2-Dichloroethane	38	U	38	38	ug/m3			03/07/14 23:44	47.2
n-Heptane	39	U	39	39	ug/m3			03/07/14 23:44	47.2
Trichloroethene	**6100**		51	51	ug/m3			03/07/14 23:44	47.2
Methyl methacrylate	97	U	97	97	ug/m3			03/07/14 23:44	47.2
1,2-Dichloropropane	44	U	44	44	ug/m3			03/07/14 23:44	47.2
1,4-Dioxane	850	U	850	850	ug/m3			03/07/14 23:44	47.2
Bromodichloromethane	63	U	63	63	ug/m3			03/07/14 23:44	47.2
cis-1,3-Dichloropropene	43	U	43	43	ug/m3			03/07/14 23:44	47.2
methyl isobutyl ketone	97	U	97	97	ug/m3			03/07/14 23:44	47.2
Toluene	36	U	36	36	ug/m3			03/07/14 23:44	47.2
trans-1,3-Dichloropropene	43	U	43	43	ug/m3			03/07/14 23:44	47.2
1,1,2-Trichloroethane	52	U	52	52	ug/m3			03/07/14 23:44	47.2
Tetrachloroethene	64	U	64	64	ug/m3			03/07/14 23:44	47.2
Methyl Butyl Ketone (2-Hexanone)	97	U	97	97	ug/m3			03/07/14 23:44	47.2
Dibromochloromethane	80	U	80	80	ug/m3			03/07/14 23:44	47.2
1,2-Dibromoethane	73	U	73	73	ug/m3			03/07/14 23:44	47.2
Chlorobenzene	43	U	43	43	ug/m3			03/07/14 23:44	47.2
Ethylbenzene	41	U	41	41	ug/m3			03/07/14 23:44	47.2
m,p-Xylene	100	U	100	100	ug/m3			03/07/14 23:44	47.2
Xylene, o-	41	U	41	41	ug/m3			03/07/14 23:44	47.2
Xylene (total)	41	U	41	41	ug/m3			03/07/14 23:44	47.2
Styrene	40	U	40	40	ug/m3			03/07/14 23:44	47.2
Bromoform	98	U	98	98	ug/m3			03/07/14 23:44	47.2
Cumene	46	U	46	46	ug/m3			03/07/14 23:44	47.2
1,1,2,2-Tetrachloroethane	65	U	65	65	ug/m3			03/07/14 23:44	47.2
n-Propylbenzene	46	U	46	46	ug/m3			03/07/14 23:44	47.2
4-Ethyltoluene	46	U	46	46	ug/m3			03/07/14 23:44	47.2
1,3,5-Trimethylbenzene	46	U	46	46	ug/m3			03/07/14 23:44	47.2
2-Chlorotoluene	49	U	49	49	ug/m3			03/07/14 23:44	47.2
tert-Butylbenzene	52	U	52	52	ug/m3			03/07/14 23:44	47.2
1,2,4-Trimethylbenzene	46	U	46	46	ug/m3			03/07/14 23:44	47.2
sec-Butylbenzene	52	U	52	52	ug/m3			03/07/14 23:44	47.2
4-Isopropyltoluene	52	U	52	52	ug/m3			03/07/14 23:44	47.2
1,3-Dichlorobenzene	57	U	57	57	ug/m3			03/07/14 23:44	47.2
1,4-Dichlorobenzene	57	U	57	57	ug/m3			03/07/14 23:44	47.2
Benzyl chloride	49	U	49	49	ug/m3			03/07/14 23:44	47.2
n-Butylbenzene	52	U	52	52	ug/m3			03/07/14 23:44	47.2
1,2-Dichlorobenzene	57	U	57	57	ug/m3			03/07/14 23:44	47.2
1,2,4-Trichlorobenzene	180	U	180	180	ug/m3			03/07/14 23:44	47.2

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-01Y14, RACER CVO

TestAmerica Job ID: 240-34644-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: GE-17303-022514-DB-002
Date Collected: 02/26/14 13:13
Date Received: 02/28/14 11:25

Lab Sample ID: 240-34644-2
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	100	U	100	100	ug/m3			03/07/14 23:44	47.2
Naphthalene	120	U	120	120	ug/m3			03/07/14 23:44	47.2

Air - GC/MS VOA

Analysis Batch: 69261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-34644-2	GE-17303-022514-DB-002	Total/NA	Air	TO-15	
LCS 200-69261/4	Lab Control Sample	Total/NA	Air	TO-15	
MB 200-69261/7	Method Blank	Total/NA	Air	TO-15	

Analysis Batch: 69314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-34644-1	GE-17303-022514-DB-001	Total/NA	Air	TO-15	
LCS 200-69314/4	Lab Control Sample	Total/NA	Air	TO-15	
MB 200-69314/7	Method Blank	Total/NA	Air	TO-15	

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-69261/7
Matrix: Air
Analysis Batch: 69261

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.50	ppb v/v			03/07/14 16:51	1
Freon 22	0.50	U	0.50	0.50	ppb v/v			03/07/14 16:51	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
Chloromethane	0.50	U	0.50	0.50	ppb v/v			03/07/14 16:51	1
n-Butane	0.50	U	0.50	0.50	ppb v/v			03/07/14 16:51	1
Vinyl chloride	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
1,3-Butadiene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
Bromomethane	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
Chloroethane	0.50	U	0.50	0.50	ppb v/v			03/07/14 16:51	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
Trichlorofluoromethane	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
Freon TF	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
1,1-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
Acetone	5.0	U	5.0	5.0	ppb v/v			03/07/14 16:51	1
Isopropyl alcohol	5.0	U	5.0	5.0	ppb v/v			03/07/14 16:51	1
Carbon disulfide	0.50	U	0.50	0.50	ppb v/v			03/07/14 16:51	1
3-Chloropropene	0.50	U	0.50	0.50	ppb v/v			03/07/14 16:51	1
Methylene Chloride	0.50	U	0.50	0.50	ppb v/v			03/07/14 16:51	1
tert-Butyl alcohol	5.0	U	5.0	5.0	ppb v/v			03/07/14 16:51	1
Methyl tert-butyl ether	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
n-Hexane	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
1,1-Dichloroethane	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
Methyl Ethyl Ketone	0.50	U	0.50	0.50	ppb v/v			03/07/14 16:51	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
1,2-Dichloroethene, Total	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
Chloroform	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
Tetrahydrofuran	5.0	U	5.0	5.0	ppb v/v			03/07/14 16:51	1
1,1,1-Trichloroethane	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
Cyclohexane	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
Carbon tetrachloride	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
Benzene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
1,2-Dichloroethane	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
n-Heptane	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
Trichloroethene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
Methyl methacrylate	0.50	U	0.50	0.50	ppb v/v			03/07/14 16:51	1
1,2-Dichloropropane	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
1,4-Dioxane	5.0	U	5.0	5.0	ppb v/v			03/07/14 16:51	1
Bromodichloromethane	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
methyl isobutyl ketone	0.50	U	0.50	0.50	ppb v/v			03/07/14 16:51	1
Toluene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
1,1,2-Trichloroethane	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
Tetrachloroethene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50	ppb v/v			03/07/14 16:51	1
Dibromochloromethane	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-69261/7
Matrix: Air
Analysis Batch: 69261

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
Chlorobenzene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
Ethylbenzene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
m,p-Xylene	0.50	U	0.50	0.50	ppb v/v			03/07/14 16:51	1
Xylene, o-	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
Xylene (total)	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
Styrene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
Bromoform	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
Cumene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
n-Propylbenzene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
4-Ethyltoluene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
2-Chlorotoluene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
tert-Butylbenzene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
sec-Butylbenzene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
4-Isopropyltoluene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
1,3-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
1,4-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
Benzyl chloride	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
n-Butylbenzene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
1,2-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	ppb v/v			03/07/14 16:51	1
Hexachlorobutadiene	0.20	U	0.20	0.20	ppb v/v			03/07/14 16:51	1
Naphthalene	0.50	U	0.50	0.50	ppb v/v			03/07/14 16:51	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5	2.5	ug/m3			03/07/14 16:51	1
Freon 22	1.8	U	1.8	1.8	ug/m3			03/07/14 16:51	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	1.4	ug/m3			03/07/14 16:51	1
Chloromethane	1.0	U	1.0	1.0	ug/m3			03/07/14 16:51	1
n-Butane	1.2	U	1.2	1.2	ug/m3			03/07/14 16:51	1
Vinyl chloride	0.51	U	0.51	0.51	ug/m3			03/07/14 16:51	1
1,3-Butadiene	0.44	U	0.44	0.44	ug/m3			03/07/14 16:51	1
Bromomethane	0.78	U	0.78	0.78	ug/m3			03/07/14 16:51	1
Chloroethane	1.3	U	1.3	1.3	ug/m3			03/07/14 16:51	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.87	ug/m3			03/07/14 16:51	1
Trichlorofluoromethane	1.1	U	1.1	1.1	ug/m3			03/07/14 16:51	1
Freon TF	1.5	U	1.5	1.5	ug/m3			03/07/14 16:51	1
1,1-Dichloroethene	0.79	U	0.79	0.79	ug/m3			03/07/14 16:51	1
Acetone	12	U	12	12	ug/m3			03/07/14 16:51	1
Isopropyl alcohol	12	U	12	12	ug/m3			03/07/14 16:51	1
Carbon disulfide	1.6	U	1.6	1.6	ug/m3			03/07/14 16:51	1
3-Chloropropene	1.6	U	1.6	1.6	ug/m3			03/07/14 16:51	1
Methylene Chloride	1.7	U	1.7	1.7	ug/m3			03/07/14 16:51	1
tert-Butyl alcohol	15	U	15	15	ug/m3			03/07/14 16:51	1
Methyl tert-butyl ether	0.72	U	0.72	0.72	ug/m3			03/07/14 16:51	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-69261/7
Matrix: Air
Analysis Batch: 69261

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.79	U	0.79	0.79	ug/m3			03/07/14 16:51	1
n-Hexane	0.70	U	0.70	0.70	ug/m3			03/07/14 16:51	1
1,1-Dichloroethane	0.81	U	0.81	0.81	ug/m3			03/07/14 16:51	1
Methyl Ethyl Ketone	1.5	U	1.5	1.5	ug/m3			03/07/14 16:51	1
cis-1,2-Dichloroethene	0.79	U	0.79	0.79	ug/m3			03/07/14 16:51	1
1,2-Dichloroethene, Total	0.79	U	0.79	0.79	ug/m3			03/07/14 16:51	1
Chloroform	0.98	U	0.98	0.98	ug/m3			03/07/14 16:51	1
Tetrahydrofuran	15	U	15	15	ug/m3			03/07/14 16:51	1
1,1,1-Trichloroethane	1.1	U	1.1	1.1	ug/m3			03/07/14 16:51	1
Cyclohexane	0.69	U	0.69	0.69	ug/m3			03/07/14 16:51	1
Carbon tetrachloride	1.3	U	1.3	1.3	ug/m3			03/07/14 16:51	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.93	ug/m3			03/07/14 16:51	1
Benzene	0.64	U	0.64	0.64	ug/m3			03/07/14 16:51	1
1,2-Dichloroethane	0.81	U	0.81	0.81	ug/m3			03/07/14 16:51	1
n-Heptane	0.82	U	0.82	0.82	ug/m3			03/07/14 16:51	1
Trichloroethene	1.1	U	1.1	1.1	ug/m3			03/07/14 16:51	1
Methyl methacrylate	2.0	U	2.0	2.0	ug/m3			03/07/14 16:51	1
1,2-Dichloropropane	0.92	U	0.92	0.92	ug/m3			03/07/14 16:51	1
1,4-Dioxane	18	U	18	18	ug/m3			03/07/14 16:51	1
Bromodichloromethane	1.3	U	1.3	1.3	ug/m3			03/07/14 16:51	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.91	ug/m3			03/07/14 16:51	1
methyl isobutyl ketone	2.0	U	2.0	2.0	ug/m3			03/07/14 16:51	1
Toluene	0.75	U	0.75	0.75	ug/m3			03/07/14 16:51	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.91	ug/m3			03/07/14 16:51	1
1,1,2-Trichloroethane	1.1	U	1.1	1.1	ug/m3			03/07/14 16:51	1
Tetrachloroethene	1.4	U	1.4	1.4	ug/m3			03/07/14 16:51	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	2.0	ug/m3			03/07/14 16:51	1
Dibromochloromethane	1.7	U	1.7	1.7	ug/m3			03/07/14 16:51	1
1,2-Dibromoethane	1.5	U	1.5	1.5	ug/m3			03/07/14 16:51	1
Chlorobenzene	0.92	U	0.92	0.92	ug/m3			03/07/14 16:51	1
Ethylbenzene	0.87	U	0.87	0.87	ug/m3			03/07/14 16:51	1
m,p-Xylene	2.2	U	2.2	2.2	ug/m3			03/07/14 16:51	1
Xylene, o-	0.87	U	0.87	0.87	ug/m3			03/07/14 16:51	1
Xylene (total)	0.87	U	0.87	0.87	ug/m3			03/07/14 16:51	1
Styrene	0.85	U	0.85	0.85	ug/m3			03/07/14 16:51	1
Bromoform	2.1	U	2.1	2.1	ug/m3			03/07/14 16:51	1
Cumene	0.98	U	0.98	0.98	ug/m3			03/07/14 16:51	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	1.4	ug/m3			03/07/14 16:51	1
n-Propylbenzene	0.98	U	0.98	0.98	ug/m3			03/07/14 16:51	1
4-Ethyltoluene	0.98	U	0.98	0.98	ug/m3			03/07/14 16:51	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.98	ug/m3			03/07/14 16:51	1
2-Chlorotoluene	1.0	U	1.0	1.0	ug/m3			03/07/14 16:51	1
tert-Butylbenzene	1.1	U	1.1	1.1	ug/m3			03/07/14 16:51	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.98	ug/m3			03/07/14 16:51	1
sec-Butylbenzene	1.1	U	1.1	1.1	ug/m3			03/07/14 16:51	1
4-Isopropyltoluene	1.1	U	1.1	1.1	ug/m3			03/07/14 16:51	1
1,3-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			03/07/14 16:51	1
1,4-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			03/07/14 16:51	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-69261/7
Matrix: Air
Analysis Batch: 69261

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	1.0	U	1.0	1.0	ug/m3			03/07/14 16:51	1
n-Butylbenzene	1.1	U	1.1	1.1	ug/m3			03/07/14 16:51	1
1,2-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			03/07/14 16:51	1
1,2,4-Trichlorobenzene	3.7	U	3.7	3.7	ug/m3			03/07/14 16:51	1
Hexachlorobutadiene	2.1	U	2.1	2.1	ug/m3			03/07/14 16:51	1
Naphthalene	2.6	U	2.6	2.6	ug/m3			03/07/14 16:51	1

Lab Sample ID: LCS 200-69261/4
Matrix: Air
Analysis Batch: 69261

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	10.0	9.14		ppb v/v		91	70 - 130
Freon 22	10.0	9.48		ppb v/v		95	70 - 130
1,2-Dichlorotetrafluoroethane	10.0	10.2		ppb v/v		102	70 - 130
Chloromethane	10.0	9.21		ppb v/v		92	70 - 130
n-Butane	10.0	9.64		ppb v/v		96	70 - 130
Vinyl chloride	10.0	9.19		ppb v/v		92	70 - 130
1,3-Butadiene	10.0	9.19		ppb v/v		92	70 - 130
Bromomethane	10.0	9.12		ppb v/v		91	70 - 130
Chloroethane	10.0	9.55		ppb v/v		95	70 - 130
Bromoethene(Vinyl Bromide)	10.0	8.92		ppb v/v		89	70 - 130
Trichlorofluoromethane	10.0	8.92		ppb v/v		89	70 - 130
Freon TF	10.0	8.98		ppb v/v		90	70 - 130
1,1-Dichloroethene	10.0	8.66		ppb v/v		87	70 - 130
Acetone	10.0	11.8		ppb v/v		118	70 - 130
Isopropyl alcohol	10.0	8.17		ppb v/v		82	70 - 130
Carbon disulfide	10.0	10.4		ppb v/v		104	70 - 130
3-Chloropropene	10.0	8.84		ppb v/v		88	70 - 130
Methylene Chloride	10.0	9.29		ppb v/v		93	70 - 130
tert-Butyl alcohol	10.0	8.44		ppb v/v		84	70 - 130
Methyl tert-butyl ether	10.0	9.15		ppb v/v		92	70 - 130
trans-1,2-Dichloroethene	10.0	9.82		ppb v/v		98	70 - 130
n-Hexane	10.0	9.99		ppb v/v		100	70 - 130
1,1-Dichloroethane	10.0	9.35		ppb v/v		94	70 - 130
Methyl Ethyl Ketone	10.0	8.66		ppb v/v		87	70 - 130
cis-1,2-Dichloroethene	10.0	8.78		ppb v/v		88	70 - 130
Chloroform	10.0	9.12		ppb v/v		91	70 - 130
Tetrahydrofuran	10.0	10.1		ppb v/v		101	70 - 130
1,1,1-Trichloroethane	10.0	8.97		ppb v/v		90	70 - 130
Cyclohexane	10.0	9.10		ppb v/v		91	70 - 130
Carbon tetrachloride	10.0	8.75		ppb v/v		88	70 - 130
2,2,4-Trimethylpentane	10.0	9.22		ppb v/v		92	70 - 130
Benzene	10.0	8.94		ppb v/v		89	70 - 130
1,2-Dichloroethane	10.0	9.11		ppb v/v		91	70 - 130
n-Heptane	10.0	9.18		ppb v/v		92	70 - 130
Trichloroethene	10.0	8.78		ppb v/v		88	70 - 130
Methyl methacrylate	10.0	9.38		ppb v/v		94	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-69261/4
Matrix: Air
Analysis Batch: 69261

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	10.0	9.11		ppb v/v		91	70 - 130
1,4-Dioxane	10.0	7.80		ppb v/v		78	70 - 130
Bromodichloromethane	10.0	8.87		ppb v/v		89	70 - 130
cis-1,3-Dichloropropene	10.0	9.20		ppb v/v		92	70 - 130
methyl isobutyl ketone	10.0	9.18		ppb v/v		92	70 - 130
Toluene	10.0	8.66		ppb v/v		87	70 - 130
trans-1,3-Dichloropropene	10.0	9.26		ppb v/v		93	70 - 130
1,1,2-Trichloroethane	10.0	9.02		ppb v/v		90	70 - 130
Tetrachloroethene	10.0	8.30		ppb v/v		83	70 - 130
Methyl Butyl Ketone (2-Hexanone)	10.0	9.03		ppb v/v		90	70 - 130
Dibromochloromethane	10.0	8.50		ppb v/v		85	70 - 130
1,2-Dibromoethane	10.0	8.89		ppb v/v		89	70 - 130
Chlorobenzene	10.0	8.81		ppb v/v		88	70 - 130
Ethylbenzene	10.0	8.98		ppb v/v		90	70 - 130
m,p-Xylene	20.0	17.5		ppb v/v		87	70 - 130
Xylene, o-	10.0	8.48		ppb v/v		85	70 - 130
Styrene	10.0	8.68		ppb v/v		87	70 - 130
Bromoform	10.0	8.33		ppb v/v		83	70 - 130
Cumene	10.0	8.62		ppb v/v		86	70 - 130
1,1,2,2-Tetrachloroethane	10.0	9.10		ppb v/v		91	70 - 130
n-Propylbenzene	10.0	8.75		ppb v/v		88	70 - 130
4-Ethyltoluene	10.0	8.93		ppb v/v		89	70 - 130
1,3,5-Trimethylbenzene	10.0	8.67		ppb v/v		87	70 - 130
2-Chlorotoluene	10.0	8.76		ppb v/v		88	70 - 130
tert-Butylbenzene	10.0	8.55		ppb v/v		85	70 - 130
1,2,4-Trimethylbenzene	10.0	8.60		ppb v/v		86	70 - 130
sec-Butylbenzene	10.0	8.60		ppb v/v		86	70 - 130
4-Isopropyltoluene	10.0	8.58		ppb v/v		86	70 - 130
1,3-Dichlorobenzene	10.0	8.64		ppb v/v		86	70 - 130
1,4-Dichlorobenzene	10.0	8.70		ppb v/v		87	70 - 130
Benzyl chloride	10.0	8.58		ppb v/v		86	70 - 130
n-Butylbenzene	10.0	8.88		ppb v/v		89	70 - 130
1,2-Dichlorobenzene	10.0	8.64		ppb v/v		86	70 - 130
1,2,4-Trichlorobenzene	10.0	7.96		ppb v/v		80	70 - 130
Hexachlorobutadiene	10.0	7.99		ppb v/v		80	70 - 130
Naphthalene	10.0	7.67		ppb v/v		77	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	49	45.2		ug/m3		91	70 - 130
Freon 22	35	33.5		ug/m3		95	70 - 130
1,2-Dichlorotetrafluoroethane	70	71.4		ug/m3		102	70 - 130
Chloromethane	21	19.0		ug/m3		92	70 - 130
n-Butane	24	22.9		ug/m3		96	70 - 130
Vinyl chloride	26	23.5		ug/m3		92	70 - 130
1,3-Butadiene	22	20.3		ug/m3		92	70 - 130
Bromomethane	39	35.4		ug/m3		91	70 - 130
Chloroethane	26	25.2		ug/m3		95	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-69261/4
Matrix: Air
Analysis Batch: 69261

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoethene(Vinyl Bromide)	44	39.0		ug/m3		89	70 - 130
Trichlorofluoromethane	56	50.1		ug/m3		89	70 - 130
Freon TF	77	68.9		ug/m3		90	70 - 130
1,1-Dichloroethene	40	34.3		ug/m3		87	70 - 130
Acetone	24	28.0		ug/m3		118	70 - 130
Isopropyl alcohol	25	20.1		ug/m3		82	70 - 130
Carbon disulfide	31	32.5		ug/m3		104	70 - 130
3-Chloropropene	31	27.7		ug/m3		88	70 - 130
Methylene Chloride	35	32.3		ug/m3		93	70 - 130
tert-Butyl alcohol	30	25.6		ug/m3		84	70 - 130
Methyl tert-butyl ether	36	33.0		ug/m3		92	70 - 130
trans-1,2-Dichloroethene	40	38.9		ug/m3		98	70 - 130
n-Hexane	35	35.2		ug/m3		100	70 - 130
1,1-Dichloroethane	40	37.8		ug/m3		94	70 - 130
Methyl Ethyl Ketone	29	25.5		ug/m3		87	70 - 130
cis-1,2-Dichloroethene	40	34.8		ug/m3		88	70 - 130
Chloroform	49	44.5		ug/m3		91	70 - 130
Tetrahydrofuran	29	29.9		ug/m3		101	70 - 130
1,1,1-Trichloroethane	55	49.0		ug/m3		90	70 - 130
Cyclohexane	34	31.3		ug/m3		91	70 - 130
Carbon tetrachloride	63	55.0		ug/m3		88	70 - 130
2,2,4-Trimethylpentane	47	43.1		ug/m3		92	70 - 130
Benzene	32	28.6		ug/m3		89	70 - 130
1,2-Dichloroethane	40	36.9		ug/m3		91	70 - 130
n-Heptane	41	37.6		ug/m3		92	70 - 130
Trichloroethene	54	47.2		ug/m3		88	70 - 130
Methyl methacrylate	41	38.4		ug/m3		94	70 - 130
1,2-Dichloropropane	46	42.1		ug/m3		91	70 - 130
1,4-Dioxane	36	28.1		ug/m3		78	70 - 130
Bromodichloromethane	67	59.4		ug/m3		89	70 - 130
cis-1,3-Dichloropropene	45	41.8		ug/m3		92	70 - 130
methyl isobutyl ketone	41	37.6		ug/m3		92	70 - 130
Toluene	38	32.6		ug/m3		87	70 - 130
trans-1,3-Dichloropropene	45	42.0		ug/m3		93	70 - 130
1,1,2-Trichloroethane	55	49.2		ug/m3		90	70 - 130
Tetrachloroethene	68	56.3		ug/m3		83	70 - 130
Methyl Butyl Ketone (2-Hexanone)	41	37.0		ug/m3		90	70 - 130
Dibromochloromethane	85	72.4		ug/m3		85	70 - 130
1,2-Dibromoethane	77	68.3		ug/m3		89	70 - 130
Chlorobenzene	46	40.5		ug/m3		88	70 - 130
Ethylbenzene	43	39.0		ug/m3		90	70 - 130
m,p-Xylene	87	75.9		ug/m3		87	70 - 130
Xylene, o-	43	36.8		ug/m3		85	70 - 130
Styrene	43	37.0		ug/m3		87	70 - 130
Bromoform	100	86.2		ug/m3		83	70 - 130
Cumene	49	42.4		ug/m3		86	70 - 130
1,1,2,2-Tetrachloroethane	69	62.5		ug/m3		91	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-69261/4
Matrix: Air
Analysis Batch: 69261

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
n-Propylbenzene	49	43.0		ug/m3		88	70 - 130
4-Ethyltoluene	49	43.9		ug/m3		89	70 - 130
1,3,5-Trimethylbenzene	49	42.6		ug/m3		87	70 - 130
2-Chlorotoluene	52	45.4		ug/m3		88	70 - 130
tert-Butylbenzene	55	46.9		ug/m3		85	70 - 130
1,2,4-Trimethylbenzene	49	42.3		ug/m3		86	70 - 130
sec-Butylbenzene	55	47.2		ug/m3		86	70 - 130
4-Isopropyltoluene	55	47.1		ug/m3		86	70 - 130
1,3-Dichlorobenzene	60	51.9		ug/m3		86	70 - 130
1,4-Dichlorobenzene	60	52.3		ug/m3		87	70 - 130
Benzyl chloride	52	44.4		ug/m3		86	70 - 130
n-Butylbenzene	55	48.7		ug/m3		89	70 - 130
1,2-Dichlorobenzene	60	51.9		ug/m3		86	70 - 130
1,2,4-Trichlorobenzene	74	59.1		ug/m3		80	70 - 130
Hexachlorobutadiene	110	85.2		ug/m3		80	70 - 130
Naphthalene	52	40.2		ug/m3		77	70 - 130

Lab Sample ID: MB 200-69314/7
Matrix: Air
Analysis Batch: 69314

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.50	ppb v/v			03/10/14 15:50	1
Freon 22	0.50	U	0.50	0.50	ppb v/v			03/10/14 15:50	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
Chloromethane	0.50	U	0.50	0.50	ppb v/v			03/10/14 15:50	1
n-Butane	0.50	U	0.50	0.50	ppb v/v			03/10/14 15:50	1
Vinyl chloride	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
1,3-Butadiene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
Bromomethane	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
Chloroethane	0.50	U	0.50	0.50	ppb v/v			03/10/14 15:50	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
Trichlorofluoromethane	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
Freon TF	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
1,1-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
Acetone	5.0	U	5.0	5.0	ppb v/v			03/10/14 15:50	1
Isopropyl alcohol	5.0	U	5.0	5.0	ppb v/v			03/10/14 15:50	1
Carbon disulfide	0.50	U	0.50	0.50	ppb v/v			03/10/14 15:50	1
3-Chloropropene	0.50	U	0.50	0.50	ppb v/v			03/10/14 15:50	1
Methylene Chloride	0.50	U	0.50	0.50	ppb v/v			03/10/14 15:50	1
tert-Butyl alcohol	5.0	U	5.0	5.0	ppb v/v			03/10/14 15:50	1
Methyl tert-butyl ether	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
n-Hexane	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
1,1-Dichloroethane	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
Methyl Ethyl Ketone	0.50	U	0.50	0.50	ppb v/v			03/10/14 15:50	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
1,2-Dichloroethene, Total	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-69314/7
Matrix: Air
Analysis Batch: 69314

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
Tetrahydrofuran	5.0	U	5.0	5.0	ppb v/v			03/10/14 15:50	1
1,1,1-Trichloroethane	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
Cyclohexane	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
Carbon tetrachloride	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
Benzene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
1,2-Dichloroethane	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
n-Heptane	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
Trichloroethene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
Methyl methacrylate	0.50	U	0.50	0.50	ppb v/v			03/10/14 15:50	1
1,2-Dichloropropane	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
1,4-Dioxane	5.0	U	5.0	5.0	ppb v/v			03/10/14 15:50	1
Bromodichloromethane	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
methyl isobutyl ketone	0.50	U	0.50	0.50	ppb v/v			03/10/14 15:50	1
Toluene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
1,1,2-Trichloroethane	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
Tetrachloroethene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50	ppb v/v			03/10/14 15:50	1
Dibromochloromethane	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
1,2-Dibromoethane	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
Chlorobenzene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
Ethylbenzene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
m,p-Xylene	0.50	U	0.50	0.50	ppb v/v			03/10/14 15:50	1
Xylene, o-	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
Xylene (total)	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
Styrene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
Bromoform	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
Cumene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
n-Propylbenzene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
4-Ethyltoluene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
2-Chlorotoluene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
tert-Butylbenzene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
sec-Butylbenzene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
4-Isopropyltoluene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
1,3-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
1,4-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
Benzyl chloride	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
n-Butylbenzene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
1,2-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	ppb v/v			03/10/14 15:50	1
Hexachlorobutadiene	0.20	U	0.20	0.20	ppb v/v			03/10/14 15:50	1
Naphthalene	0.50	U	0.50	0.50	ppb v/v			03/10/14 15:50	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-69314/7
Matrix: Air
Analysis Batch: 69314

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5	2.5	ug/m3			03/10/14 15:50	1
Freon 22	1.8	U	1.8	1.8	ug/m3			03/10/14 15:50	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	1.4	ug/m3			03/10/14 15:50	1
Chloromethane	1.0	U	1.0	1.0	ug/m3			03/10/14 15:50	1
n-Butane	1.2	U	1.2	1.2	ug/m3			03/10/14 15:50	1
Vinyl chloride	0.51	U	0.51	0.51	ug/m3			03/10/14 15:50	1
1,3-Butadiene	0.44	U	0.44	0.44	ug/m3			03/10/14 15:50	1
Bromomethane	0.78	U	0.78	0.78	ug/m3			03/10/14 15:50	1
Chloroethane	1.3	U	1.3	1.3	ug/m3			03/10/14 15:50	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.87	ug/m3			03/10/14 15:50	1
Trichlorofluoromethane	1.1	U	1.1	1.1	ug/m3			03/10/14 15:50	1
Freon TF	1.5	U	1.5	1.5	ug/m3			03/10/14 15:50	1
1,1-Dichloroethene	0.79	U	0.79	0.79	ug/m3			03/10/14 15:50	1
Acetone	12	U	12	12	ug/m3			03/10/14 15:50	1
Isopropyl alcohol	12	U	12	12	ug/m3			03/10/14 15:50	1
Carbon disulfide	1.6	U	1.6	1.6	ug/m3			03/10/14 15:50	1
3-Chloropropene	1.6	U	1.6	1.6	ug/m3			03/10/14 15:50	1
Methylene Chloride	1.7	U	1.7	1.7	ug/m3			03/10/14 15:50	1
tert-Butyl alcohol	15	U	15	15	ug/m3			03/10/14 15:50	1
Methyl tert-butyl ether	0.72	U	0.72	0.72	ug/m3			03/10/14 15:50	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.79	ug/m3			03/10/14 15:50	1
n-Hexane	0.70	U	0.70	0.70	ug/m3			03/10/14 15:50	1
1,1-Dichloroethane	0.81	U	0.81	0.81	ug/m3			03/10/14 15:50	1
Methyl Ethyl Ketone	1.5	U	1.5	1.5	ug/m3			03/10/14 15:50	1
cis-1,2-Dichloroethene	0.79	U	0.79	0.79	ug/m3			03/10/14 15:50	1
1,2-Dichloroethene, Total	0.79	U	0.79	0.79	ug/m3			03/10/14 15:50	1
Chloroform	0.98	U	0.98	0.98	ug/m3			03/10/14 15:50	1
Tetrahydrofuran	15	U	15	15	ug/m3			03/10/14 15:50	1
1,1,1-Trichloroethane	1.1	U	1.1	1.1	ug/m3			03/10/14 15:50	1
Cyclohexane	0.69	U	0.69	0.69	ug/m3			03/10/14 15:50	1
Carbon tetrachloride	1.3	U	1.3	1.3	ug/m3			03/10/14 15:50	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.93	ug/m3			03/10/14 15:50	1
Benzene	0.64	U	0.64	0.64	ug/m3			03/10/14 15:50	1
1,2-Dichloroethane	0.81	U	0.81	0.81	ug/m3			03/10/14 15:50	1
n-Heptane	0.82	U	0.82	0.82	ug/m3			03/10/14 15:50	1
Trichloroethene	1.1	U	1.1	1.1	ug/m3			03/10/14 15:50	1
Methyl methacrylate	2.0	U	2.0	2.0	ug/m3			03/10/14 15:50	1
1,2-Dichloropropane	0.92	U	0.92	0.92	ug/m3			03/10/14 15:50	1
1,4-Dioxane	18	U	18	18	ug/m3			03/10/14 15:50	1
Bromodichloromethane	1.3	U	1.3	1.3	ug/m3			03/10/14 15:50	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.91	ug/m3			03/10/14 15:50	1
methyl isobutyl ketone	2.0	U	2.0	2.0	ug/m3			03/10/14 15:50	1
Toluene	0.75	U	0.75	0.75	ug/m3			03/10/14 15:50	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.91	ug/m3			03/10/14 15:50	1
1,1,2-Trichloroethane	1.1	U	1.1	1.1	ug/m3			03/10/14 15:50	1
Tetrachloroethene	1.4	U	1.4	1.4	ug/m3			03/10/14 15:50	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	2.0	ug/m3			03/10/14 15:50	1
Dibromochloromethane	1.7	U	1.7	1.7	ug/m3			03/10/14 15:50	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-69314/7
Matrix: Air
Analysis Batch: 69314

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	1.5	U	1.5	1.5	ug/m3			03/10/14 15:50	1
Chlorobenzene	0.92	U	0.92	0.92	ug/m3			03/10/14 15:50	1
Ethylbenzene	0.87	U	0.87	0.87	ug/m3			03/10/14 15:50	1
m,p-Xylene	2.2	U	2.2	2.2	ug/m3			03/10/14 15:50	1
Xylene, o-	0.87	U	0.87	0.87	ug/m3			03/10/14 15:50	1
Xylene (total)	0.87	U	0.87	0.87	ug/m3			03/10/14 15:50	1
Styrene	0.85	U	0.85	0.85	ug/m3			03/10/14 15:50	1
Bromoform	2.1	U	2.1	2.1	ug/m3			03/10/14 15:50	1
Cumene	0.98	U	0.98	0.98	ug/m3			03/10/14 15:50	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	1.4	ug/m3			03/10/14 15:50	1
n-Propylbenzene	0.98	U	0.98	0.98	ug/m3			03/10/14 15:50	1
4-Ethyltoluene	0.98	U	0.98	0.98	ug/m3			03/10/14 15:50	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.98	ug/m3			03/10/14 15:50	1
2-Chlorotoluene	1.0	U	1.0	1.0	ug/m3			03/10/14 15:50	1
tert-Butylbenzene	1.1	U	1.1	1.1	ug/m3			03/10/14 15:50	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.98	ug/m3			03/10/14 15:50	1
sec-Butylbenzene	1.1	U	1.1	1.1	ug/m3			03/10/14 15:50	1
4-Isopropyltoluene	1.1	U	1.1	1.1	ug/m3			03/10/14 15:50	1
1,3-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			03/10/14 15:50	1
1,4-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			03/10/14 15:50	1
Benzyl chloride	1.0	U	1.0	1.0	ug/m3			03/10/14 15:50	1
n-Butylbenzene	1.1	U	1.1	1.1	ug/m3			03/10/14 15:50	1
1,2-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			03/10/14 15:50	1
1,2,4-Trichlorobenzene	3.7	U	3.7	3.7	ug/m3			03/10/14 15:50	1
Hexachlorobutadiene	2.1	U	2.1	2.1	ug/m3			03/10/14 15:50	1
Naphthalene	2.6	U	2.6	2.6	ug/m3			03/10/14 15:50	1

Lab Sample ID: LCS 200-69314/4
Matrix: Air
Analysis Batch: 69314

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	10.0	8.72		ppb v/v		87	70 - 130
Freon 22	10.0	8.87		ppb v/v		89	70 - 130
1,2-Dichlorotetrafluoroethane	10.0	9.67		ppb v/v		97	70 - 130
Chloromethane	10.0	8.50		ppb v/v		85	70 - 130
n-Butane	10.0	8.90		ppb v/v		89	70 - 130
Vinyl chloride	10.0	8.78		ppb v/v		88	70 - 130
1,3-Butadiene	10.0	8.62		ppb v/v		86	70 - 130
Bromomethane	10.0	8.98		ppb v/v		90	70 - 130
Chloroethane	10.0	9.33		ppb v/v		93	70 - 130
Bromoethene(Vinyl Bromide)	10.0	8.81		ppb v/v		88	70 - 130
Trichlorofluoromethane	10.0	8.62		ppb v/v		86	70 - 130
Freon TF	10.0	8.83		ppb v/v		88	70 - 130
1,1-Dichloroethene	10.0	8.51		ppb v/v		85	70 - 130
Acetone	10.0	11.4		ppb v/v		114	70 - 130
Isopropyl alcohol	10.0	8.01		ppb v/v		80	70 - 130
Carbon disulfide	10.0	10.3		ppb v/v		103	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-69314/4
Matrix: Air
Analysis Batch: 69314

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
3-Chloropropene	10.0	8.60		ppb v/v		86	70 - 130
Methylene Chloride	10.0	9.04		ppb v/v		90	70 - 130
tert-Butyl alcohol	10.0	8.28		ppb v/v		83	70 - 130
Methyl tert-butyl ether	10.0	8.95		ppb v/v		89	70 - 130
trans-1,2-Dichloroethene	10.0	9.60		ppb v/v		96	70 - 130
n-Hexane	10.0	9.69		ppb v/v		97	70 - 130
1,1-Dichloroethane	10.0	9.15		ppb v/v		92	70 - 130
Methyl Ethyl Ketone	10.0	8.68		ppb v/v		87	70 - 130
cis-1,2-Dichloroethene	10.0	8.62		ppb v/v		86	70 - 130
Chloroform	10.0	8.92		ppb v/v		89	70 - 130
Tetrahydrofuran	10.0	9.79		ppb v/v		98	70 - 130
1,1,1-Trichloroethane	10.0	8.81		ppb v/v		88	70 - 130
Cyclohexane	10.0	9.08		ppb v/v		91	70 - 130
Carbon tetrachloride	10.0	8.63		ppb v/v		86	70 - 130
2,2,4-Trimethylpentane	10.0	9.08		ppb v/v		91	70 - 130
Benzene	10.0	8.86		ppb v/v		89	70 - 130
1,2-Dichloroethane	10.0	8.74		ppb v/v		87	70 - 130
n-Heptane	10.0	8.94		ppb v/v		89	70 - 130
Trichloroethene	10.0	8.84		ppb v/v		88	70 - 130
Methyl methacrylate	10.0	9.30		ppb v/v		93	70 - 130
1,2-Dichloropropane	10.0	8.95		ppb v/v		90	70 - 130
1,4-Dioxane	10.0	7.61		ppb v/v		76	70 - 130
Bromodichloromethane	10.0	8.75		ppb v/v		88	70 - 130
cis-1,3-Dichloropropene	10.0	9.13		ppb v/v		91	70 - 130
methyl isobutyl ketone	10.0	8.86		ppb v/v		89	70 - 130
Toluene	10.0	8.67		ppb v/v		87	70 - 130
trans-1,3-Dichloropropene	10.0	9.11		ppb v/v		91	70 - 130
1,1,2-Trichloroethane	10.0	9.06		ppb v/v		91	70 - 130
Tetrachloroethene	10.0	8.35		ppb v/v		84	70 - 130
Methyl Butyl Ketone (2-Hexanone)	10.0	8.84		ppb v/v		88	70 - 130
Dibromochloromethane	10.0	8.48		ppb v/v		85	70 - 130
1,2-Dibromoethane	10.0	8.99		ppb v/v		90	70 - 130
Chlorobenzene	10.0	8.80		ppb v/v		88	70 - 130
Ethylbenzene	10.0	8.91		ppb v/v		89	70 - 130
m,p-Xylene	20.0	17.5		ppb v/v		88	70 - 130
Xylene, o-	10.0	8.56		ppb v/v		86	70 - 130
Styrene	10.0	8.66		ppb v/v		87	70 - 130
Bromoform	10.0	8.42		ppb v/v		84	70 - 130
Cumene	10.0	8.60		ppb v/v		86	70 - 130
1,1,2,2-Tetrachloroethane	10.0	9.10		ppb v/v		91	70 - 130
n-Propylbenzene	10.0	8.72		ppb v/v		87	70 - 130
4-Ethyltoluene	10.0	8.86		ppb v/v		89	70 - 130
1,3,5-Trimethylbenzene	10.0	8.59		ppb v/v		86	70 - 130
2-Chlorotoluene	10.0	8.62		ppb v/v		86	70 - 130
tert-Butylbenzene	10.0	8.54		ppb v/v		85	70 - 130
1,2,4-Trimethylbenzene	10.0	8.53		ppb v/v		85	70 - 130
sec-Butylbenzene	10.0	8.52		ppb v/v		85	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-69314/4
Matrix: Air
Analysis Batch: 69314

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Isopropyltoluene	10.0	8.53		ppb v/v		85	70 - 130
1,3-Dichlorobenzene	10.0	8.60		ppb v/v		86	70 - 130
1,4-Dichlorobenzene	10.0	8.60		ppb v/v		86	70 - 130
Benzyl chloride	10.0	8.51		ppb v/v		85	70 - 130
n-Butylbenzene	10.0	8.81		ppb v/v		88	70 - 130
1,2-Dichlorobenzene	10.0	8.54		ppb v/v		85	70 - 130
1,2,4-Trichlorobenzene	10.0	7.79		ppb v/v		78	70 - 130
Hexachlorobutadiene	10.0	7.65		ppb v/v		76	70 - 130
Naphthalene	10.0	7.48		ppb v/v		75	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	49	43.1		ug/m3		87	70 - 130
Freon 22	35	31.4		ug/m3		89	70 - 130
1,2-Dichlorotetrafluoroethane	70	67.6		ug/m3		97	70 - 130
Chloromethane	21	17.5		ug/m3		85	70 - 130
n-Butane	24	21.2		ug/m3		89	70 - 130
Vinyl chloride	26	22.4		ug/m3		88	70 - 130
1,3-Butadiene	22	19.1		ug/m3		86	70 - 130
Bromomethane	39	34.9		ug/m3		90	70 - 130
Chloroethane	26	24.6		ug/m3		93	70 - 130
Bromoethene(Vinyl Bromide)	44	38.5		ug/m3		88	70 - 130
Trichlorofluoromethane	56	48.4		ug/m3		86	70 - 130
Freon TF	77	67.7		ug/m3		88	70 - 130
1,1-Dichloroethene	40	33.7		ug/m3		85	70 - 130
Acetone	24	27.1		ug/m3		114	70 - 130
Isopropyl alcohol	25	19.7		ug/m3		80	70 - 130
Carbon disulfide	31	32.2		ug/m3		103	70 - 130
3-Chloropropene	31	26.9		ug/m3		86	70 - 130
Methylene Chloride	35	31.4		ug/m3		90	70 - 130
tert-Butyl alcohol	30	25.1		ug/m3		83	70 - 130
Methyl tert-butyl ether	36	32.3		ug/m3		89	70 - 130
trans-1,2-Dichloroethene	40	38.1		ug/m3		96	70 - 130
n-Hexane	35	34.2		ug/m3		97	70 - 130
1,1-Dichloroethane	40	37.0		ug/m3		92	70 - 130
Methyl Ethyl Ketone	29	25.6		ug/m3		87	70 - 130
cis-1,2-Dichloroethene	40	34.2		ug/m3		86	70 - 130
Chloroform	49	43.5		ug/m3		89	70 - 130
Tetrahydrofuran	29	28.9		ug/m3		98	70 - 130
1,1,1-Trichloroethane	55	48.1		ug/m3		88	70 - 130
Cyclohexane	34	31.3		ug/m3		91	70 - 130
Carbon tetrachloride	63	54.3		ug/m3		86	70 - 130
2,2,4-Trimethylpentane	47	42.4		ug/m3		91	70 - 130
Benzene	32	28.3		ug/m3		89	70 - 130
1,2-Dichloroethane	40	35.4		ug/m3		87	70 - 130
n-Heptane	41	36.6		ug/m3		89	70 - 130
Trichloroethene	54	47.5		ug/m3		88	70 - 130
Methyl methacrylate	41	38.1		ug/m3		93	70 - 130
1,2-Dichloropropane	46	41.4		ug/m3		90	70 - 130

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-01Y14, RACER CVO

TestAmerica Job ID: 240-34644-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-69314/4
Matrix: Air
Analysis Batch: 69314

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	36	27.4		ug/m3		76	70 - 130
Bromodichloromethane	67	58.7		ug/m3		88	70 - 130
cis-1,3-Dichloropropene	45	41.4		ug/m3		91	70 - 130
methyl isobutyl ketone	41	36.3		ug/m3		89	70 - 130
Toluene	38	32.7		ug/m3		87	70 - 130
trans-1,3-Dichloropropene	45	41.4		ug/m3		91	70 - 130
1,1,2-Trichloroethane	55	49.5		ug/m3		91	70 - 130
Tetrachloroethene	68	56.7		ug/m3		84	70 - 130
Methyl Butyl Ketone (2-Hexanone)	41	36.2		ug/m3		88	70 - 130
Dibromochloromethane	85	72.2		ug/m3		85	70 - 130
1,2-Dibromoethane	77	69.1		ug/m3		90	70 - 130
Chlorobenzene	46	40.5		ug/m3		88	70 - 130
Ethylbenzene	43	38.7		ug/m3		89	70 - 130
m,p-Xylene	87	76.1		ug/m3		88	70 - 130
Xylene, o-	43	37.2		ug/m3		86	70 - 130
Styrene	43	36.9		ug/m3		87	70 - 130
Bromoform	100	87.0		ug/m3		84	70 - 130
Cumene	49	42.3		ug/m3		86	70 - 130
1,1,2,2-Tetrachloroethane	69	62.5		ug/m3		91	70 - 130
n-Propylbenzene	49	42.9		ug/m3		87	70 - 130
4-Ethyltoluene	49	43.5		ug/m3		89	70 - 130
1,3,5-Trimethylbenzene	49	42.2		ug/m3		86	70 - 130
2-Chlorotoluene	52	44.6		ug/m3		86	70 - 130
tert-Butylbenzene	55	46.9		ug/m3		85	70 - 130
1,2,4-Trimethylbenzene	49	41.9		ug/m3		85	70 - 130
sec-Butylbenzene	55	46.8		ug/m3		85	70 - 130
4-Isopropyltoluene	55	46.9		ug/m3		85	70 - 130
1,3-Dichlorobenzene	60	51.7		ug/m3		86	70 - 130
1,4-Dichlorobenzene	60	51.7		ug/m3		86	70 - 130
Benzyl chloride	52	44.1		ug/m3		85	70 - 130
n-Butylbenzene	55	48.3		ug/m3		88	70 - 130
1,2-Dichlorobenzene	60	51.3		ug/m3		85	70 - 130
1,2,4-Trichlorobenzene	74	57.8		ug/m3		78	70 - 130
Hexachlorobutadiene	110	81.5		ug/m3		76	70 - 130
Naphthalene	52	39.2		ug/m3		75	70 - 130

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-01Y14, RACER CVO

TestAmerica Job ID: 240-34644-1

Client Sample ID: GE-17303-022514-DB-001

Lab Sample ID: 240-34644-1

Date Collected: 02/26/14 13:13

Matrix: Air

Date Received: 02/28/14 11:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		598	69314	03/10/14 16:38	PAD	TAL BUR

Client Sample ID: GE-17303-022514-DB-002

Lab Sample ID: 240-34644-2

Date Collected: 02/26/14 13:13

Matrix: Air

Date Received: 02/28/14 11:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		47.2	69261	03/07/14 23:44	WRD	TAL BUR

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303-T03-01Y14, RACER CVO

TestAmerica Job ID: 240-34644-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14
Connecticut	State Program	1	PH-0590	12-31-14
Florida	NELAP	4	E87225	06-30-14
Georgia	State Program	4	N/A	06-30-14
Illinois	NELAP	5	200004	07-31-14
Kansas	NELAP	7	E-10336	04-01-14 *
Kentucky (UST)	State Program	4	58	06-30-14
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-14
Nevada	State Program	9	OH-000482008A	07-31-14
New Jersey	NELAP	2	OH001	06-30-14
New York	NELAP	2	10975	04-01-14
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-14
Texas	NELAP	6		08-31-14
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-14
Washington	State Program	10	C971	01-12-15
West Virginia DEP	State Program	3	210	12-31-14
Wisconsin	State Program	5	999518190	08-31-14

Laboratory: TestAmerica Burlington

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Connecticut	State Program	1	PH-0751	09-30-15
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-13-15
Florida	NELAP	4	E87467	06-30-14
L-A-B	DoD ELAP		L2336	02-26-17
Louisiana	NELAP	6	176292	06-30-14
Maine	State Program	1	VT00008	04-17-15
Minnesota	NELAP	5	050-999-436	12-31-14
New Hampshire	NELAP	1	2006	12-18-14
New Jersey	NELAP	2	VT972	06-30-14
New York	NELAP	2	10391	04-01-14 *
Pennsylvania	NELAP	3	68-00489	04-30-14 *
Rhode Island	State Program	1	LAO00298	12-30-14
US Fish & Wildlife	Federal		LE-058448-0	02-28-14 *
USDA	Federal		P330-11-00093	10-28-16
Vermont	State Program	1	VT-4000	12-31-14
Virginia	NELAP	3	460209	12-14-14

* Expired certification is currently pending renewal and is considered valid.

CHAIN OF CUSTODY RECORD

CONESTOGA-ROVERS & ASSOCIATES
14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

COC NO.: PL-10295
PAGE 1 OF 1
(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 017303-T03-01Y14
Project Name: CVO: SSDS Exhaust Sampling
Project Location: Ypsilanti, MI
Chemistry Contact: Kawa Fleisher
Sampler(s): D. Beck, J. Yoerg

Laboratory Name: Test America
Lab Contact: Denise Heckler
Lab Location: South Burlington, VT
Lab Quote No:
SSOW ID: 17303-T03
Cooler No:
Carrier: Fed Ex
Airbill No:
Date Shipped: 2-26-14

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd//yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	TO15-VOC	MS/MSD Request	Comments/ Special Instructions:
1	GE-17303-022514-DB-001	02/25/14	1251	GE	-								1	1	X		SUMMA 24 HR
2	↓ ↓ ↓ ↓-002	↓	1252	↓	-								1	1	X		SUMMA 24 HR
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

DB

240-34644 Chain of Custody

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other:

Total Number of Containers: 2
All Samples in Cooler must be on COC

Notes/ Special Requirements: End Time: 001: 1313 on 2-26-14
002: 1313 on 2-26-14

	Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1.	David Beck	CRA	2-26-14	1430				
2.								
3.						TABUL	2/28/14	1120

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10A (20110804)



ORIGIN ID:DEOA (734) 453-5123

CONESTOGA-ROVERS & ASSOC.
14496 N SHELDON RD
SUITE 200
PLYMOUTH, MI 48170
UNITED STATES US

SHIP DATE: 26FEB14
ACTWGT: 17.0 LB MAN
CAD: 0741499/CAFE2704

BILL RECIPIENT

TO RETURNS
TESTAMERICA BURLINGTON
30 COMMUNITY DR.
SUITE 11
BURLINGTON VT 05403

REF: 017303 – T03 – 01Y14

FedEx Express

THU – 27 FEB AA
STANDARD OVERNIGHT

TRK# 0201 9029 3741 7290

XH BTVA

05403
VT – US BTV

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-34644-1

Login Number: 34644
List Number: 201
Creator: Gagne, Eric M

List Source: TestAmerica Burlington
List Creation: 03/03/14 11:40 AM

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

200-20871-A-6
4172
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 2/10/2014 12:00 AM 200-626847

Loc: 200
20871
#6
A

Pre-Shipment Clean Canister Certification I

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test							
System ID		# Cycles	Cleaning Date	Technician	Canister Size		
Bottom		15	2/10/14	MK	6L	1L	3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	2877	-29.9	-30.2	-30.1	0.1
2	4288				
3	4458				
4	1471				
5	3072				
6	4172				
7	3262				
8	5149				
9	2533				
10	8057				
11	4242				
12	2955				

Initial Reading	Final Reading
Gauge ID: 69	Gauge ID: 69
Date: 2/11/14	Date: 2/12/14
Time: 0830	Time: 1350
Tech: WHB	Tech: VS
BP: 29.9 ("Hg)	BP: 30.1 ("Hg)
Temp 22 (°C)	Temp: 22 (°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
4172	2/12/14	6083	BC		✓				2/12/14	ANL

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.
Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.
Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.
Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.
Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

200-20883-A-7
Location: Air Storage
Bottle: Summa Canister 6L
Sampled: 2/11/2014 12:09 AM 200-627181

Loc: 200
20883
#7
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size
OVEN	15	2/11/14	VS	(6L) 1L 3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	4067	30.1	-30.0	-29.7	0.3
2	4277				
3	4574				
4	2778				
5	5630				
6	3518				
7	5091				
8	4870				
9	2878				
10	4942				
11	4556				
12	3404	✓	✓	✓	✓

Initial Reading		Final Reading	
Gauge ID:	69	Gauge ID:	69
Date:	2/12/14	Date:	2/13/14
Time:	1000	Time:	1330
Tech:	MC	Tech:	VS
BP:	30.1 MC 2/12/14 ("Hg)	BP:	29.7 ("Hg)
Temp	22 (°C)	Temp:	22 (°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
5091	2/13/14	6113	BC		✓				2/13/14	AMH

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.
Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.
Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.
Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.
Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

Routine

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20871-1

SDG No.:

Client Sample ID: 4172 Lab Sample ID: 200-20871-6

Matrix: Air Lab File ID: 6083_025.D

Analysis Method: TO-15 Date Collected: 02/10/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/12/2014 06:25

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68197 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U *	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20871-1

SDG No.:

Client Sample ID: 4172 Lab Sample ID: 200-20871-6

Matrix: Air Lab File ID: 6083_025.D

Analysis Method: TO-15 Date Collected: 02/10/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/12/2014 06:25

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68197 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20871-1

SDG No.:

Client Sample ID: 4172 Lab Sample ID: 200-20871-6

Matrix: Air Lab File ID: 6083_025.D

Analysis Method: TO-15 Date Collected: 02/10/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/12/2014 06:25

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68197 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140211-6083.b\6083_025.D
Lims ID: 200-20871-A-6 Lab Sample ID: 200-20871-6
Client ID: 4172
Sample Type: Client
Inject. Date: 12-Feb-2014 06:25:30 ALS Bottle#: 8 Worklist Smp#: 25
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0006083-025
Misc. Info.: 200-20871-A-6@0.2 Routine Batch Cert
Operator ID: pad Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140211-6083.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 12-Feb-2014 11:00:19 Calib Date: 10-Jan-2014 19:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140110-5680.b\gin14.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
	1 Propene	41		3.058					
	2 Dichlorodifluoromethane	85		3.132					
	6 Chlorodifluoromethane	51		3.186					
	7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.411					
	8 Chloromethane	50		3.544					
	9 Butane	43		3.764					
	10 Vinyl chloride	62		3.801					
	11 Butadiene	54		3.887					
	12 Bromomethane	94		4.588					
	14 Chloroethane	64		4.834					
	16 Vinyl bromide	106		5.240					
	17 Trichlorofluoromethane	101		5.358					
	19 Ethanol	45		5.930					
	23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.487					
	24 1,1-Dichloroethene	96		6.508					
	25 Acetone	43		6.733					
	26 Carbon disulfide	76		6.893					
	27 Isopropyl alcohol	45		7.048					
	29 3-Chloro-1-propene	41		7.316					
	31 Methylene Chloride	49		7.610					
	32 2-Methyl-2-propanol	59		7.846					
	33 Methyl tert-butyl ether	73		8.049					
	34 trans-1,2-Dichloroethene	61		8.076					
	36 Hexane	57		8.498					
	37 1,1-Dichloroethane	63		8.958					
	38 Vinyl acetate	43		9.055					
	39 cis-1,2-Dichloroethene	96		10.103					
	40 2-Butanone (MEK)	72		10.146					
S	41 1,2-Dichloroethene, Total	61		10.200					
	42 Ethyl acetate	88		10.226					
*	43 Chlorobromomethane	128	10.569	10.574	-0.005	67	743859	10.0	
	44 Tetrahydrofuran	42		10.590					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	45 Chloroform	83		10.718					
	46 Cyclohexane	84		11.007					
	47 1,1,1-Trichloroethane	97		11.018					
	48 Carbon tetrachloride	117		11.285					
	50 Benzene	78		11.756					
	51 Isooctane	57		11.772					
	52 1,2-Dichloroethane	62		11.927					
	53 n-Heptane	43		12.184					
*	54 1,4-Difluorobenzene	114	12.634	12.639	-0.005	91	4376773	10.0	
	56 Trichloroethene	95		13.126					
	58 1,2-Dichloropropane	63		13.693					
	59 Methyl methacrylate	69		13.896					
	60 1,4-Dioxane	88		13.928					
	61 Dibromomethane	174		13.950					
	62 Dichlorobromomethane	83		14.265					
	64 cis-1,3-Dichloropropene	75		15.244					
	65 4-Methyl-2-pentanone (MIBK)	43		15.544					
	66 Toluene	92		15.865					
	70 trans-1,3-Dichloropropene	75		16.453					
	71 1,1,2-Trichloroethane	83		16.828					
	72 Tetrachloroethene	166		16.977					
	73 2-Hexanone	43		17.298					
	74 Chlorodibromomethane	129		17.603					
	75 Ethylene Dibromide	107		17.876					
*	76 Chlorobenzene-d5	117	18.802	18.802	0.0	80	4186002	10.0	
	77 Chlorobenzene	112		18.861					
	78 Ethylbenzene	91		19.032					
	80 m-Xylene & p-Xylene	106		19.283					
S	82 Xylenes, Total	106		20.100					
	83 o-Xylene	106		20.112					
	84 Styrene	104		20.155					
	85 Bromoform	173		20.546					
	86 Isopropylbenzene	105		20.776					
$	87 4-Bromofluorobenzene	95	21.124	21.123	0.001	98	1859826	NC	
	88 1,1,2,2-Tetrachloroethane	83		21.375					
	90 N-Propylbenzene	91		21.482					
	91 4-Ethyltoluene	105		21.664					
	92 2-Chlorotoluene	91		21.664					
	94 1,3,5-Trimethylbenzene	105		21.771					
	96 tert-Butylbenzene	119		22.252					
	97 1,2,4-Trimethylbenzene	105		22.343					
	98 sec-Butylbenzene	105		22.573					
	99 4-Isopropyltoluene	119		22.771					
	100 1,3-Dichlorobenzene	146		22.787					
	101 1,4-Dichlorobenzene	146		22.921					
	102 Benzyl chloride	91		23.114					
	103 n-Butylbenzene	91		23.349					
	105 1,2-Dichlorobenzene	146		23.461					
	107 1,2,4-Trichlorobenzene	180		26.024					
	108 Hexachlorobutadiene	225		26.238					
	109 Naphthalene	128		26.516					

WorkSheet Quantitation Report

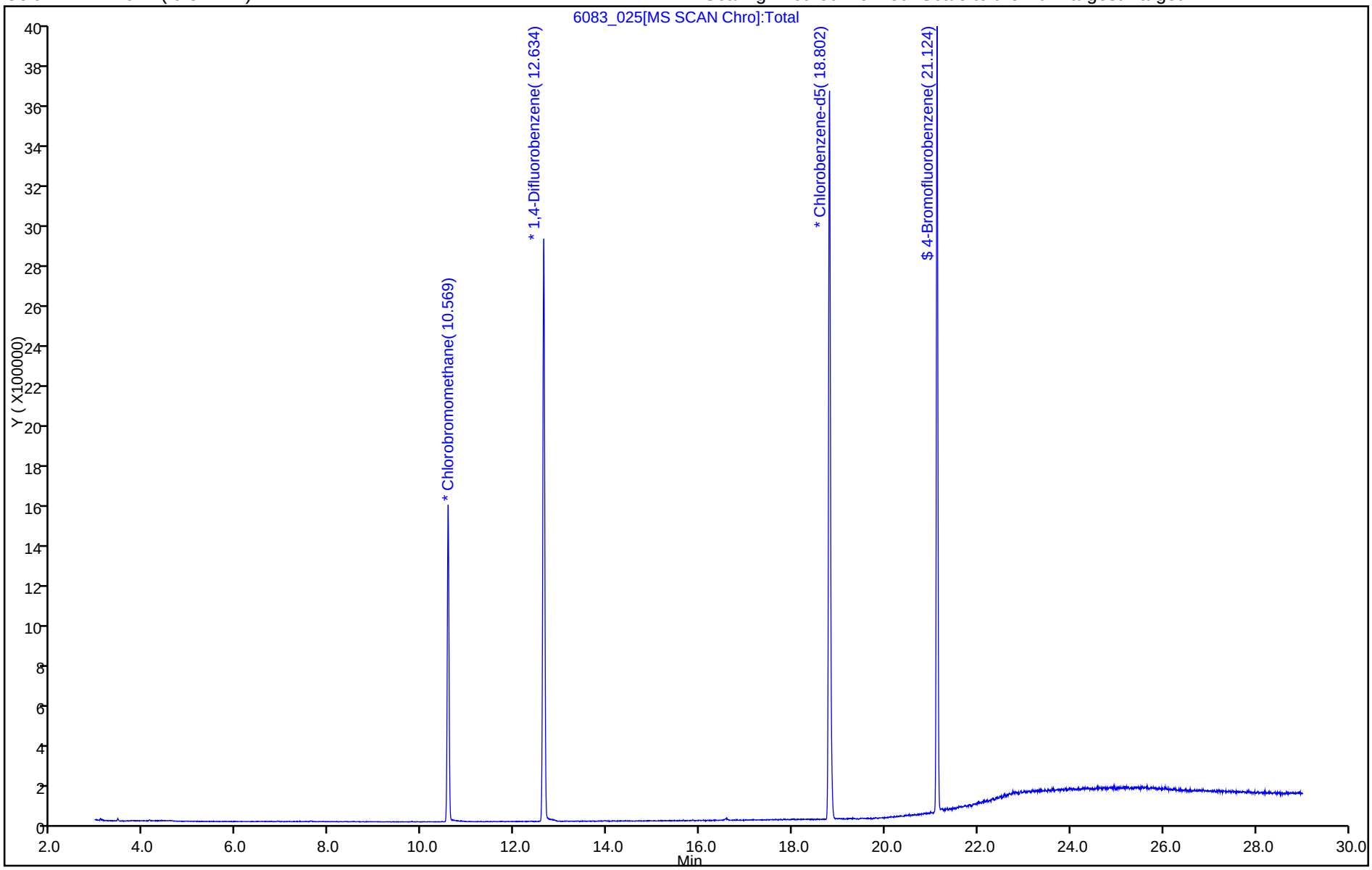
Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

Report Date: 12-Feb-2014 11:00:41 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140211-6083.b\6083_025.D				
Injection Date:	12-Feb-2014 06:25:30	Instrument ID:	CHG.i	Operator ID:	pad
Lims ID:	200-20871-A-6	Lab Sample ID:	200-20871-6	Worklist Smp#:	25
Client ID:	4172				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20883-1

SDG No.:

Client Sample ID: 5091 Lab Sample ID: 200-20883-7

Matrix: Air Lab File ID: 6113_005.D

Analysis Method: TO-15 Date Collected: 02/11/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/12/2014 14:55

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68257 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U *	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20883-1

SDG No.:

Client Sample ID: 5091 Lab Sample ID: 200-20883-7

Matrix: Air Lab File ID: 6113_005.D

Analysis Method: TO-15 Date Collected: 02/11/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/12/2014 14:55

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68257 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20883-1

SDG No.:

Client Sample ID: 5091 Lab Sample ID: 200-20883-7

Matrix: Air Lab File ID: 6113_005.D

Analysis Method: TO-15 Date Collected: 02/11/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/12/2014 14:55

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68257 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140212-6113.b\6113_005.D
Lims ID: 200-20883-A-7 Lab Sample ID: 200-20883-7
Client ID: 5091
Sample Type: Client
Inject. Date: 12-Feb-2014 14:55:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0006113-005
Misc. Info.: 200-20883-A-7@0.2 Routine 6L Cert
Operator ID: pad Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140212-6113.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 13-Feb-2014 10:13:52 Calib Date: 10-Jan-2014 19:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140110-5680.b\gin14.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK017

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
	1 Propene	41		3.063					
	2 Dichlorodifluoromethane	85		3.133					
	6 Chlorodifluoromethane	51		3.186					
	7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.411					
	8 Chloromethane	50		3.544					
	9 Butane	43		3.764					
	10 Vinyl chloride	62		3.801					
	11 Butadiene	54		3.887					
	12 Bromomethane	94		4.588					
	14 Chloroethane	64		4.839					
	16 Vinyl bromide	106		5.240					
	17 Trichlorofluoromethane	101		5.358					
	19 Ethanol	45		5.936					
	23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.487					
	24 1,1-Dichloroethene	96		6.508					
	25 Acetone	43		6.733					
	26 Carbon disulfide	76		6.893					
	27 Isopropyl alcohol	45		7.054					
	29 3-Chloro-1-propene	41		7.316					
	31 Methylene Chloride	49		7.605					
	32 2-Methyl-2-propanol	59		7.846					
	33 Methyl tert-butyl ether	73		8.049					
	34 trans-1,2-Dichloroethene	61		8.070					
	36 Hexane	57		8.498					
	37 1,1-Dichloroethane	63		8.958					
	38 Vinyl acetate	43		9.055					
	39 cis-1,2-Dichloroethene	96		10.103					
	40 2-Butanone (MEK)	72		10.151					
S	41 1,2-Dichloroethene, Total	61		10.200					
	42 Ethyl acetate	88		10.221					
*	43 Chlorobromomethane	128	10.569	10.574	-0.005	68	775184	10.0	
	44 Tetrahydrofuran	42		10.590					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	45 Chloroform	83		10.718					
	46 Cyclohexane	84		11.007					
	47 1,1,1-Trichloroethane	97		11.013					
	48 Carbon tetrachloride	117		11.285					
	50 Benzene	78		11.751					
	51 Isooctane	57		11.772					
	52 1,2-Dichloroethane	62		11.927					
	53 n-Heptane	43		12.184					
*	54 1,4-Difluorobenzene	114	12.634	12.639	-0.005	91	4560856	10.0	
	56 Trichloroethene	95		13.126					
	58 1,2-Dichloropropane	63		13.693					
	59 Methyl methacrylate	69		13.901					
	60 1,4-Dioxane	88		13.928					
	61 Dibromomethane	174		13.950					
	62 Dichlorobromomethane	83		14.265					
	64 cis-1,3-Dichloropropene	75		15.244					
	65 4-Methyl-2-pentanone (MIBK)	43		15.549					
	66 Toluene	92		15.865					
	70 trans-1,3-Dichloropropene	75		16.453					
	71 1,1,2-Trichloroethane	83		16.828					
	72 Tetrachloroethene	166		16.978					
	73 2-Hexanone	43		17.299					
	74 Chlorodibromomethane	129		17.603					
	75 Ethylene Dibromide	107		17.876					
*	76 Chlorobenzene-d5	117	18.796	18.802	-0.006	81	4396773	10.0	
	77 Chlorobenzene	112		18.861					
	78 Ethylbenzene	91		19.026					
	80 m-Xylene & p-Xylene	106		19.283					
S	82 Xylenes, Total	106		20.100					
	83 o-Xylene	106		20.112					
	84 Styrene	104		20.155					
	85 Bromoform	173		20.546					
	86 Isopropylbenzene	105		20.776					
$	87 4-Bromofluorobenzene	95	21.118	21.124	-0.006	98	1985428	NC	
	88 1,1,2,2-Tetrachloroethane	83		21.375					
	90 N-Propylbenzene	91		21.482					
	92 2-Chlorotoluene	91		21.664					
	91 4-Ethyltoluene	105		21.664					
	94 1,3,5-Trimethylbenzene	105		21.771					
	96 tert-Butylbenzene	119		22.247					
	97 1,2,4-Trimethylbenzene	105		22.338					
	98 sec-Butylbenzene	105		22.568					
	99 4-Isopropyltoluene	119		22.766					
	100 1,3-Dichlorobenzene	146		22.787					
	101 1,4-Dichlorobenzene	146		22.921					
	102 Benzyl chloride	91		23.114					
	103 n-Butylbenzene	91		23.349					
	105 1,2-Dichlorobenzene	146		23.461					
	107 1,2,4-Trichlorobenzene	180		26.024					
	108 Hexachlorobutadiene	225		26.238					
	109 Naphthalene	128		26.516					

WorkSheet Quantitation Report

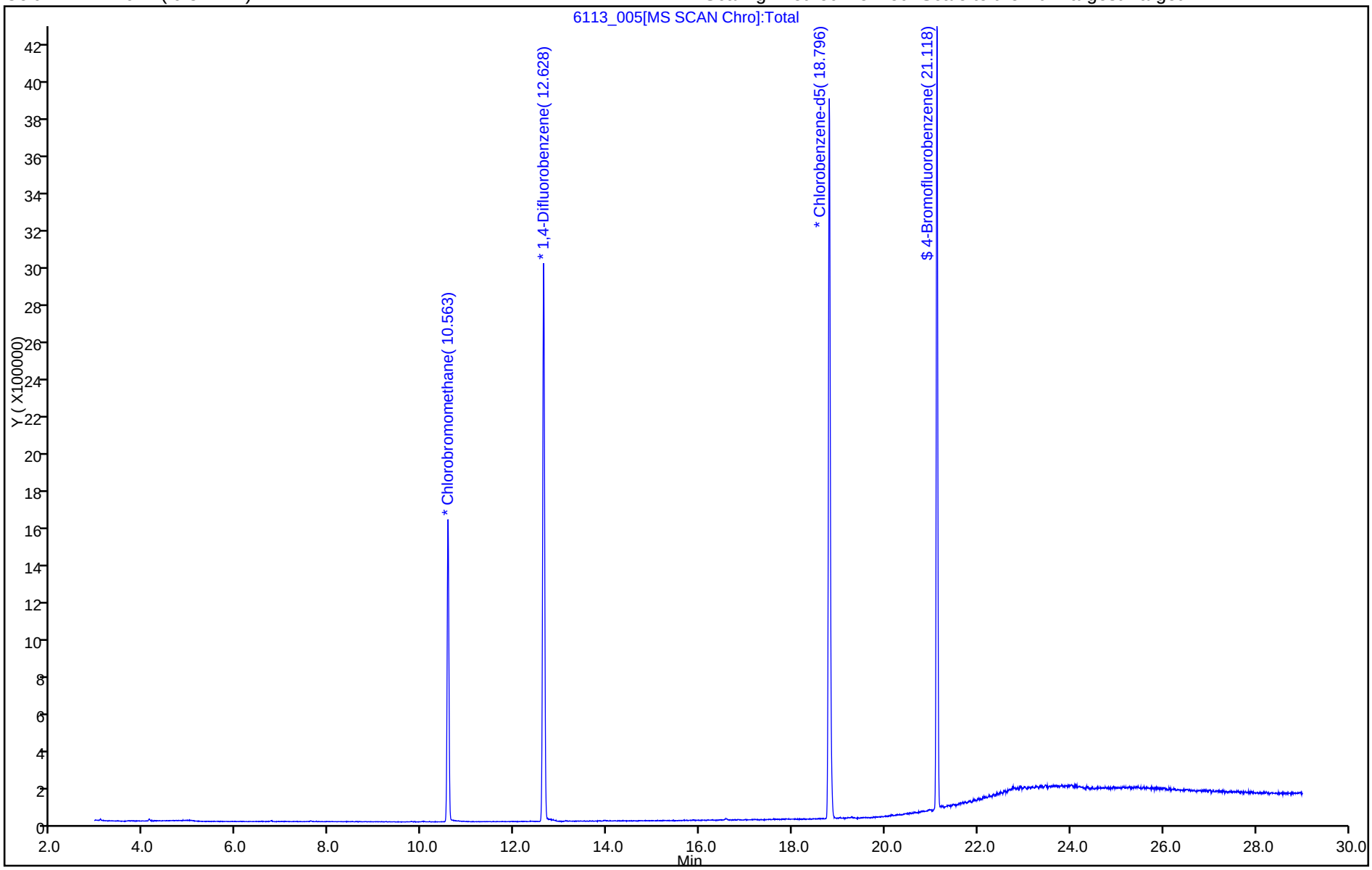
Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

Report Date: 13-Feb-2014 10:13:53 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140212-6113.b\6113_005.D				
Injection Date:	12-Feb-2014 14:55:30	Instrument ID:	CHG.i	Operator ID:	pad
Lims ID:	200-20883-A-7	Lab Sample ID:	200-20883-7	Worklist Smp#:	5
Client ID:	5091				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Attachment 2

Analytical Results and Reduced Validation Memo

CONESTOGA-ROVERS & ASSOCIATES

14496 Sheldon Road, Suite #200
Plymouth, Michigan 48170
Telephone: (734) 453-5723 Fax: (734) 453-5201
www.CRAworld.com

MEMORANDUM

TO:	Beth Landale	REF. NO.:	017303-T03-01Y14
FROM:	Ruth Mickle/tl/167/Det	DATE:	May 30, 2014

RE: Analytical Results and Reduced Validation
PAOC 23 SSDS Stack Sampling Events
CVO – Mid/Lux - Willow Run
Ypsilanti, Michigan
February-April 2014

1.0 Introduction

The following document details a reduced validation of analytical results for air samples collected in support of the PAOC 23 SSDS Sampling Events at the CVO – Mid/Lux - Willow Run Site during February, March and April 2014. Samples were submitted to TestAmerica Laboratories, Inc., located in South Burlington, Vermont. The laboratory reports were prepared by TestAmerica Laboratories, Inc., located in North Canton, Ohio. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Standard Conestoga-Rovers & Associates (CRA) report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody forms, finished report forms, method blank data, recovery data from laboratory control samples (LCS), and field QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 3 and applicable guidance from the documents entitled:

i) "Former Willow Run Assembly QAPP", Conestoga-Rovers & Associates, October 2006

ii) "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", United States Environmental Protection Agency (USEPA) 540/R-99-008, October 1999

Item ii) will subsequently be referred to as the "Guidelines" in this Memorandum.

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2.0 Sample Holding Time and Preservation

The sample holding time criteria for the analyses are summarized in Table 3. Sample chain of custody documents and analytical reports were used to determine sample holding times. All samples were prepared and analyzed within the required holding times.

All samples were properly preserved and stored by the laboratory at the required temperature.

3.0 Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor.

4.0 Laboratory Control Sample Analyses

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects.

For this study, LCS were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

The LCS contained all compounds of interest. All LCS recoveries were within the laboratory control limits, demonstrating acceptable analytical accuracy.

5.0 Field QA/QC Samples

There were no field QA/QC samples associated with the sampling events.

6.0 Analyte Reporting

The laboratory reported detected results down to the laboratory's method detection limit (MDL) for each analyte. Positive analyte detections less than the reporting limit (RL) but greater than the MDL were qualified as estimated (J) in Table 2 unless qualified otherwise in this memorandum. Non-detect results were presented as non-detect at the RL in Table 2.

7.0 Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable without qualification.

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
AIR SAMPLING EVENT
CVO - MID/LUX - WILLOW RUN
YPSILANTI, MICHIGAN
FEBRUARY-APRIL 2014

					Analysis/Parameters	
Sample Identification	*Location*	*Matrix*	*Collection Date (mm/dd/yyyy)*	*Collection Time (hr:min)*	*TCL VOC*	*Comments*
TA-NC Lot No.: 240-34644-1						
GE-17303-022514-DB-001	Blower #1	air	2/26/2014	13:13	X	
GE-17303-022514-DB-002	Blower #2	air	2/26/2014	13:13	X	
TA-NC Lot No.: 240-35341-1						
GE-17303-032014-DB-003	Blower #1	air	3/21/2014	09:00	X	
GE-17303-032014-DB-004	Blower #2	air	3/21/2014	09:00	X	
TA-NC Lot No.: 240-36627-1						
GE-17303-042414-DB-005	Blower #1	air	4/25/2014	09:12	X	
GE-17303-042414-DB-006	Blower #2	air	4/25/2014	09:13	X	

Notes:

TCL - Target Compound List
VOC - Volatile Organic Compound

TABLE 2

VALIDATED ANALYTICAL RESULT SUMMARY
AIR SAMPLING
CVO-MID/LUX - WILLOW RUN
YPSILANTI, MICHIGAN
FEBRUARY-APRIL 2014

Sample Location:		*Blower #1*	*Blower #1*	*Blower #1*	*Blower #2*	*Blower #2*	*Blower #2*
Sample ID:		*GE-17303-022514-DB-001*	*GE-17303-032014-DB-003*	*GE-17303-042414-DB-005*	*GE-17303-022514-DB-002*	*GE-17303-032014-DB-004*	*GE-17303-042414-DB-006*
Sample Date:		*02/26/2014*	*03/21/2014*	*04/25/2014*	*02/26/2014*	*03/21/2014*	*04/25/2014*
Parameters	*Units*						
VOCs							
1,1,1-Trichloroethane	ug/m3	650 U	470 U	3.3 U	52 U	36 U	31 U
1,1,2,2-Tetrachloroethane	ug/m3	820 U	590 U	4.1 U	65 U	46 U	39 U
1,1,2-Trichloroethane	ug/m3	650 U	470 U	3.3 U	52 U	36 U	31 U
1,1-Dichloroethane	ug/m3	480 U	350 U	2.4 U	38 U	27 U	23 U
1,1-Dichloroethene	ug/m3	470 U	340 U	2.4 U	37 U	48	22 U
1,2,4-Trichlorobenzene	ug/m3	2200 U	1600 U	11 U	180 U	120 U	110 U
1,2,4-Trimethylbenzene	ug/m3	590 U	430 U	2.9 U	46 U	33 U	28 U
1,2-Dibromoethane (Ethylene dibromide)	ug/m3	920 U	670 U	4.6 U	73 U	51 U	43 U
1,2-Dichlorobenzene	ug/m3	720 U	520 U	3.6 U	57 U	40 U	34 U
1,2-Dichloroethane	ug/m3	480 U	350 U	2.4 U	38 U	27 U	23 U
1,2-Dichloroethene (total)	ug/m3	33000	37000	260	370	550	400
1,2-Dichloropropane	ug/m3	550 U	400 U	2.8 U	44 U	31 U	26 U
1,2-Dichlorotetrafluoroethane (CFC 114)	ug/m3	840 U	610 U	4.2 U	66 U	47 U	40 U
1,3,5-Trimethylbenzene	ug/m3	590 U	430 U	2.9 U	46 U	33 U	28 U
1,3-Butadiene	ug/m3	260 U	190 U	1.3 U	21 U	15 U	13 U
1,3-Dichlorobenzene	ug/m3	720 U	520 U	3.6 U	57 U	40 U	34 U
1,4-Dichlorobenzene	ug/m3	720 U	520 U	3.6 U	57 U	40 U	34 U
1,4-Dioxane	ug/m3	11000 U	7800 U	54 U	850 U	600 U	510 U
2,2,4-Trimethylpentane	ug/m3	560 U	400 U	6.8	44 U	31 U	26 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/m3	880 U	640 U	4.4 U	70 U	49 U	42 U
2-Chlorotoluene	ug/m3	620 U	450 U	3.1 U	49 U	35 U	29 U
2-Hexanone	ug/m3	1200 U	890 U	6.1 U	97 U	68 U	58 U
2-Phenylbutane (sec-Butylbenzene)	ug/m3	660 U	480 U	3.3 U	52 U	37 U	31 U
4-Ethyl toluene	ug/m3	590 U	430 U	2.9 U	46 U	33 U	28 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/m3	1200 U	890 U	6.1 U	97 U	68 U	58 U
Acetone	ug/m3	7100 U	5100 U	36 U	560 U	400 U	340 U
Allyl chloride	ug/m3	940 U	680 U	4.7 U	74 U	52 U	44 U
Benzene	ug/m3	380 U	280 U	1.9 U	30 U	21 U	18 U
Benzyl chloride	ug/m3	620 U	450 U	3.1 U	49 U	35 U	29 U
Bromodichloromethane	ug/m3	800 U	580 U	4.0 U	63 U	45 U	38 U
Bromoform	ug/m3	1200 U	900 U	6.2 U	98 U	69 U	59 U
Bromomethane (Methyl bromide)	ug/m3	460 U	340 U	2.3 U	37 U	26 U	22 U
Butane	ug/m3	710 U	510 U	3.6 U	56 U	40 U	34 U
Carbon disulfide	ug/m3	930 U	670 U	4.7 U	73 U	52 U	44 U
Carbon tetrachloride	ug/m3	750 U	540 U	3.8 U	59 U	42 U	36 U
Chlorobenzene	ug/m3	550 U	400 U	2.8 U	43 U	31 U	26 U
Chlorodifluoromethane	ug/m3	1100 U	770 U	5.3 U	83 U	59 U	50 U
Chloroethane	ug/m3	790 U	570 U	3.9 U	62 U	44 U	37 U
Chloroform (Trichloromethane)	ug/m3	580 U	420 U	2.9 U	46 U	33 U	28 U
Chloromethane (Methyl chloride)	ug/m3	620 U	450 U	3.1 U	49 U	34 U	29 U
cis-1,2-Dichloroethene	ug/m3	33000	37000	260	370	540	410
cis-1,3-Dichloropropene	ug/m3	540 U	390 U	2.7 U	43 U	30 U	26 U
Cyclohexane	ug/m3	410 U	300 U	2.1 U	32 U	23 U	19 U
Cymene (p-Isopropyltoluene)	ug/m3	660 U	480 U	3.3 U	52 U	37 U	31 U

TABLE 2

VALIDATED ANALYTICAL RESULT SUMMARY
AIR SAMPLING
CVO-MID/LUX - WILLOW RUN
YPSILANTI, MICHIGAN
FEBRUARY-APRIL 2014

Sample Location:		*Blower #1*	*Blower #1*	*Blower #1*	*Blower #2*	*Blower #2*	*Blower #2*
Sample ID:		*GE-17303-022514-DB-001*	*GE-17303-032014-DB-003*	*GE-17303-042414-DB-005*	*GE-17303-022514-DB-002*	*GE-17303-032014-DB-004*	*GE-17303-042414-DB-006*
Sample Date:		*02/26/2014*	*03/21/2014*	*04/25/2014*	*02/26/2014*	*03/21/2014*	*04/25/2014*
Parameters	*Units*						
VOCs							
Dibromochloromethane	ug/m3	1000 U	740 U	5.1 U	80 U	57 U	48 U
Dichlorodifluoromethane (CFC-12)	ug/m3	1500 U	1100 U	7.4 U	120 U	83 U	70 U
Ethylbenzene	ug/m3	520 U	380 U	2.6 U	41 U	29 U	25 U
Hexachlorobutadiene	ug/m3	1300 U	920 U	6.4 U	100 U	71 U	60 U
Hexane	ug/m3	420 U	310 U	2.4	33 U	24 U	20 U
Isopropyl alcohol	ug/m3	7300 U	5300 U	37 U	580 U	410 U	350 U
Isopropyl benzene	ug/m3	590 U	430 U	2.9 U	46 U	33 U	28 U
m&p-Xylenes	ug/m3	1300 U	940 U	6.5 U	100 U	73 U	61 U
Methyl methacrylate	ug/m3	1200 U	890 U	6.1 U	97 U	68 U	58 U
Methyl tert butyl ether (MTBE)	ug/m3	430 U	310 U	2.2 U	34 U	24 U	20 U
Methylene chloride	ug/m3	1000 U	750 U	5.2 U	82 U	58 U	49 U
Naphthalene	ug/m3	1600 U	1100 U	7.8 U	120 U	88 U	74 U
N-Butylbenzene	ug/m3	660 U	480 U	3.3 U	52 U	37 U	31 U
N-Heptane	ug/m3	490 U	350 U	2.5 U	39 U	27 U	23 U
N-Propylbenzene	ug/m3	590 U	430 U	2.9 U	46 U	33 U	28 U
o-Xylene	ug/m3	520 U	380 U	2.6 U	41 U	29 U	25 U
Styrene	ug/m3	510 U	370 U	2.5 U	40 U	28 U	24 U
tert-Butyl alcohol	ug/m3	9100 U	6600 U	45 U	720 U	510 U	430 U
tert-Butylbenzene	ug/m3	660 U	480 U	3.3 U	52 U	37 U	31 U
Tetrachloroethene	ug/m3	810 U	590 U	4.1 U	64 U	55	38 U
Tetrahydrofuran	ug/m3	8800 U	6400 U	44 U	700 U	490 U	420 U
Toluene	ug/m3	450 U	330 U	5.6	36 U	25 U	21 U
trans-1,2-Dichloroethene	ug/m3	470 U	340 U	2.4 U	37 U	35	22 U
trans-1,3-Dichloropropene	ug/m3	540 U	390 U	2.7 U	43 U	30 U	26 U
Trichloroethene	ug/m3	82000	77000	95	6100	6800	4300
Trichlorofluoromethane (CFC-11)	ug/m3	670 U	490 U	3.4 U	53 U	38 U	32 U
Trifluorotrichloroethane (Freon 113)	ug/m3	920 U	660 U	4.6 U	72 U	51 U	43 U
Vinyl bromide (Bromoethene)	ug/m3	520 U	380 U	2.6 U	41 U	29 U	25 U
Vinyl chloride	ug/m3	1200	1100	12	440	110	14 U
Xylenes (total)	ug/m3	520 U	380 U	2.6 U	41 U	29 U	25 U

Notes:

U - Not detected at the associated reporting limit.

TABLE 3

ANALYTICAL METHODS AND HOLDING TIME CRITERIA
AIR SAMPLING EVENT
CVO - MID/LUX - WILLOW RUN
YPSILANTI, MICHIGAN
FEBRUARY-APRIL 2014

				Holding Time	
Parameter	*Method*	*Matrix*	*Preservation*	*Collection to Extraction (Days)*	*Collection or Extraction to Analysis (Days)*
TCL VOC	EPA Method TO-15	Air	Ambient Temperature	-	30

Notes:

EPA Method TO-15 - "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-625/R-96/010b, January 1999.
TCL - Target Compound List
VOC - Volatile Organic Compound

CONESTOGA-ROVERS & ASSOCIATES

www.CRAworld.com



Sub-Slab Depressurization System (SSDS) Operation, Maintenance & Monitoring (OM&M) Plan

Company Vehicle Operations
Ypsilanti, Michigan

Conestoga-Rovers & Associates
14496 Sheldon Road, Suite 200
Plymouth, Michigan 48170

May 2014 • 017303 • Report No. 31

Partners in Sustainability

Table of Contents

Page

Section 1.0 Introduction 1

Section 2.0 Site Background and Previous Investigations 1

Section 3.0 SSDS Objectives and Targets 1

Section 4.0 SSDS Description 2

4.1 Suction Points 2
4.2 Vacuum Monitoring Points 2
4.3 Blowers and Exhaust Stacks 2
4.4 Exhaust Sample Ports 3
4.5 Electrical System Operation 3

Section 5.0 SSDS Operation, Maintenance, and Monitoring 3

Section 6.0 Troubleshooting/Owner's Responsibility 4

Section 7.0 Contact Information 5

List of Figures
(Following Text)

Figure 2.1 Site Layout

Figure 3.1 SSDS Coverage Area

Figure 4.1 SSDS Installed System Layout

List of Appendices

Appendix A Photographs

Appendix B Radon Away Fan Owner's Manual

Section 1.0 Introduction

On behalf of Revitalizing Auto Communities Environmental Response Trust (RACER), Conestoga-Rovers & Associates (CRA) has prepared this Operation, Maintenance, and Monitoring (OM&M) Plan for the Sub-Slab Depressurization System (SSDS) installed at Willow Run Company Vehicle Operations (CVO) property located in Ypsilanti, Michigan (Site). Installation of the SSDS was completed in January 2014. This OM&M Plan presents information regarding the SSDS design, installation, layout, maintenance, monitoring, inspections, and sampling requirements necessary to ensure proper operation of the SSDS.

Section 2.0 Site Background and Previous Investigations

The Site is located at 2901 Tyler Road in Ypsilanti, Michigan. It is bordered to the north and east by Tyler Pond, to the west by the Willow Run Business Center and to the south by Tyler Road. There is only one building, the Haulaway Building, located at the Site as shown on Figure 2.1. The Haulaway Building is located in the southwest quadrant of the Site. The west side of the Haulaway Building is office space whereas the east side is garage/maintenance workshop space. The garage/maintenance workshop is approximately 20,000 square feet. The Haulaway Building is the location where the SSDS has been installed.

The Site was owned by RACER Properties LLC and operated by RACER until its sale to International Turbine Industries (ITI) in mid 2014. RACER was created in March 2011 by the United States Bankruptcy Court to clean up and position for redevelopment properties and other facilities owned by the former General Motors Corporation before its 2009 bankruptcy. Although the Site was sold, RACER retains responsibility for legacy environmental impacts.

Historically, waste material (including paint sludge and various drummed wastes) were dumped in various locations within the Site during the 1940s and 1950s. Analytical results confirmed that VOC vapors were migrating into the building. In Late 2013, source material was excavated and removed from beneath the northwest portion of the Haulaway Building and a SSDS was installed in early 2014 to decrease the potential for VOC vapors to accumulate under the slab.

Section 3.0 SSDS Objectives and Targets

The primary objective of the SSDS design and installation was to establish a negative pressure field beneath the Haulaway Building that would effectively minimize the potential for vapor intrusion from sub-slab soils into indoor air. The area covered by the SSDS is shown in Figure 3.1.

The installation of the SSDS was based on the ASTM E212-11 "Standard Practice for Installing Radon Mitigation Systems in Existing Low-Rise Residential Buildings". The system was designed to provide a minimum vacuum of -0.0161 inches of water column (in. WC) throughout the area of the sub-slab as identified in Figure 3.1. A pilot test was completed and a radius of influence of 30 feet was established based on the pilot test results.

Section 4.0 SSDS Description

Figure 4.1 identifies the layout of the installed system. This includes the suction points, pipe laterals, blower (exhaust) locations, and compliance points. The system consists of two legs of five suction points, ten in total. Each of the two legs of the system is connected to a Radon Away HS2000 or HS5000E fan.

4.1 Suction Points

The ten suction points (SP 1-10) were installed using 3-inch diameter schedule 40 polyvinyl chloride (PVC) piping. Each suction point location was installed by coring a 4-inch diameter hole through the concrete slab. The slab had a thickness ranging from six to eight inches. The suction point piping was then sealed to the floor using waterproof silicone caulk. Each suction point extends vertically from the floor and runs up the adjacent column and connects back to the blowers which are located in the North West corner of the building. Pictures of the completed suction points can be found in Appendix A.

4.2 Vacuum Monitoring Points

During the installation of the SSDS, seven compliance points (CP 1-7) were installed to collect vacuum measurements from the sub-slab during the SSDS startup. Eleven vapor pins that were previously installed by CRA were also utilized for sub-slab vacuum measurements. Compliance vacuum readings are collected (as described in Section 5) from all locations listed above. If any readings have a vacuum of less than - 0.0161 in WC, additional sealing/system adjustments will be made to ensure proper vacuum is maintained beneath the slab. Pictures of the completed vacuum monitoring points can be found in Appendix A.

4.3 Blowers and Exhaust Stacks

The high suction fans, identified as Blower 1 and Blower 2 on Figure 4.1 are Radon Away HS2000E and HS5000E respectively. Each Blower was installed on the outside wall of the Haulaway Building approximately 6 feet above the ground. Exhaust stacks are connected to

each blower near the roof level and are constructed of 2-inch diameter PVC piping that extends approximately 2 feet above the roof line. Details regarding the Radon Away blowers are provided in Appendix B. Pictures of the blowers and exhaust stacks can be found in Appendix A.

4.4 Exhaust Sample Ports

To monitor vacuum readings and conduct exhaust sampling, sample ports were installed in the PVC piping manifold upstream of each blower (inside the building). The sample ports consist of sealed barbed fittings installed in the PVC piping. Pictures of the exhaust sample ports can be found in Appendix A.

4.5 Electrical System Operation

To ensure that the SSDS is continuously operated, a flow switch was installed near the inlet of each blower inside the building. Each flow switch will activate a visual alarm inside the building if low or no air flow through the blower is detected. Also, the fuse box that houses the switches for the blowers has been equipped with a constant on shielded circuit breaker to prevent accidental power shutoff to the blowers. Pictures of the flow switches and the fuse box can be found in Appendix A.

Section 5.0 SSDS Operation, Maintenance, and Monitoring

Following the installation of the SSDS, the sub-slab vacuum was monitored and the exhaust from the two blowers was sampled in consultation with the Michigan Department of Environmental Quality (MDEQ).

Based on the monitoring completed to date ongoing monitoring is expected to be conducted quarterly or as otherwise required by the MDEQ.

CRA may need access to the building to complete routine inspections of the SSDS. Inspections completed by CRA staff may include:

- Inspect the blower, including checks for unusual noise or vibration
- Collection of vacuum readings from the monitoring points, suctions points, and blowers to ensure the system is operating in the design range
- Visual inspection of the system piping and components for damage
- Inspect the floor and wall seals for possible leaks or need for additional sealing

- Confirm lockout/tag out device is properly attached to the switches in the fuse box
- Discuss any system/operational issues with the owner of the building or other appropriate personnel
- Confirm that a copy of OM&M Plan is in the building and update as necessary

The Owner shall not significantly modify the building structure or HVAC system in any way that adversely impacts the operation of the SSDS unless the Owner takes necessary and appropriate action to adjust or modify the SSDS to avoid any adverse impacts. Significant modifications might include but are not limited to building additions, reconfiguration of the Haulaway Buildings interior, and reconfiguration or replacement of the HVAC system.

In the event that the SSDS is not operating properly, the owner's representative should notify CRA. Contact information is provided in Section 7.

Section 6.0 Troubleshooting/Owner's Responsibility

By design, other than the fans and electrical system, the SSDS has relatively few components that could fail and affect operation. The system fans are designed by the manufacturer for a long operational lifespan. At the end of this lifespan, the fan should be replaced, as necessary, with an equivalent or better performing unit. Warranty information for the system fans are provided in Appendix B. In the event of failure of the SSDS electrical components (breakers, switches, etc.) the component should be repaired or replaced by a licensed electrical contractor.

The SSDS is connected directly to the Haulaway Building's electrical system. If the Haulaway Building loses power the SSDS is designed to shut off. Once power is restored to the building, the SSDS will automatically restart. If the Blowers do not automatically restart, check to make sure the fuse switch is in the on position, and the on/off switch is flipped on for each Blower. Once power is restored to the building, it is recommended that each Blower be inspected and determined to be operational. If power is restored and the Blowers cannot be restarted, contact CRA immediately.

The SSDS is a passive system that will not require regular upkeep or maintenance by the Owner. Listed below are several guidelines that will prolong the life and effectiveness of the SSDS.

- Do not unplug either of the two flow switches (visual alarms)
- Disruption or altering the pipe runs may have a negative impact on the SSDS and should be avoided as much as possible

- Do not remove the lockout/tag out device from the fuse box
- Do not break the warranty seal on the side of the blower box
- Avoid when possible driving/working over the various compliance points

If the visual alarms are tripped or if any other issues arise concerning the SSDS, contact info is provided in Section 7.

Section 7.0 Contact Information

The following is a list of contacts regarding the SSDS operation, maintenance, and monitoring:

Environmental Consultant
Conestoga-Rovers & Associates, Inc.
Beth Landale
Cell: 734-545-5423
Daniel Beck
Cell: 906-367-6376
14496 Sheldon Road, Suite 200
Plymouth, Michigan 48170
Office: 734-453-5123

RACER Trust
Grant Trigger
Cell: 313-670-6226
500 Woodward Avenue, Suite 1510
Detroit, Michigan
Office: 734-879-9524

LEGEND

DITCH, STREAM OR RIVER

FENCE LINE

TREE LINE

N

0 50 100ft

TYLER POND

CATWALKS

SHEET PILE WALL

SHED

HAULAWAY BLDG.

SITE GATE

TYLER ROAD

BELL M.H.

figure 2.1

SITE LAYOUT

SSDS OM&M PLAN

COMPANY VEHICLE OPERATIONS AREA

Ypsilanti, Michigan

CRA

017303-T03(031)GN-DE001 MAY 30/2014

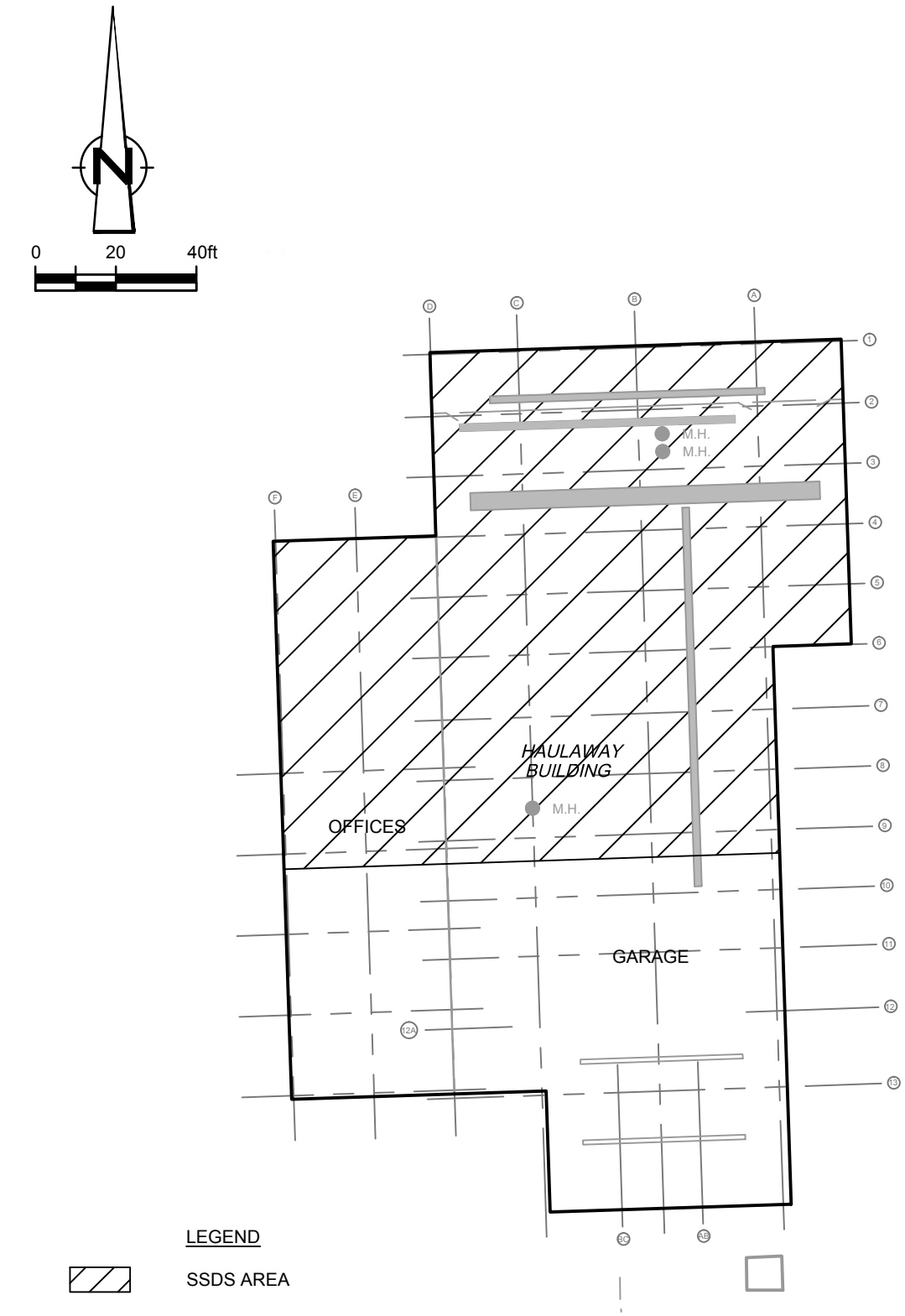
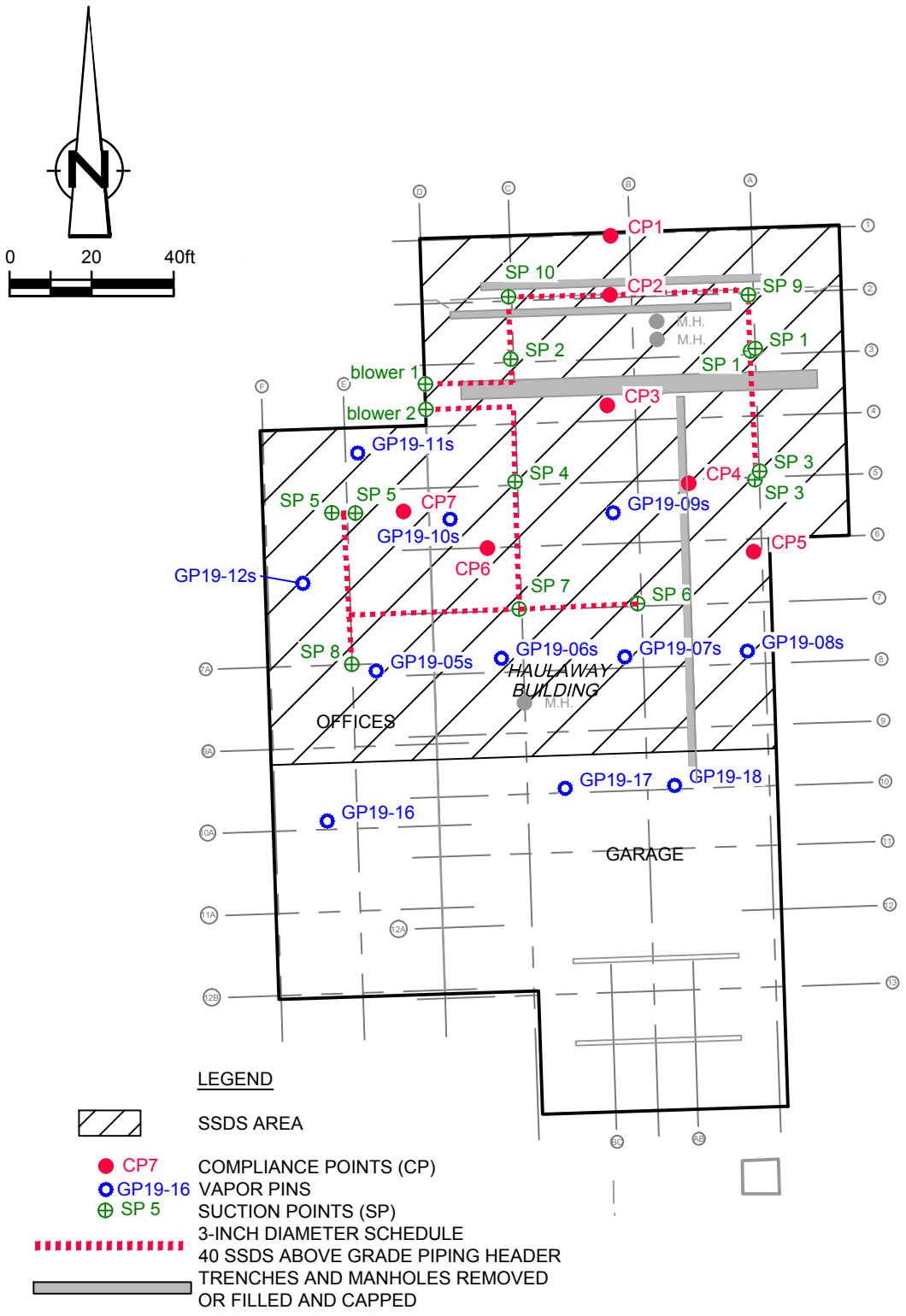


figure 3.1

SUB SLAB DEPRESSURIZATION SYSTEM COVERAGE AREA
SSDS OM&M PLAN
COMPANY VEHICLE OPERATIONS AREA
Ypsilanti, Michigan

017303-T03(031)GN-DE002 MAY 28/2014



NOTE: SP 1, 3, 5 - TWO SUCTION POINTS INSTALLED DUE TO BELOW SLAB OBSTRUCTIONS.

figure 4.1

SUB SLAB DEPRESSURIZATION SYSTEM
INSTALLED SYSTEM LAYOUT
SSDS OM&M PLAN
COMPANY VEHICLE OPERATIONS AREA
Ypsilanti, Michigan

Appendix A

Photographs



Photo 1 – Suction Point



Photo 2 – Suction Point

SITE PHOTOGRAPHS



Photo 3 – Vapor Pin (Vacuum Monitoring Point)



Photo 4 – Vapor Pin (Vacuum Monitoring Point)

SITE PHOTOGRAPHS



Photo 5 – Vapor Pin (Vacuum Monitoring Point)



Photo 6 – Blowers and Exhaust Stacks

SITE PHOTOGRAPHS



Photo 7 – Blowers and Exhaust Stacks (on/off switch located on the left of each Blower)



Photo 8 – Exhaust Sample Ports

SITE PHOTOGRAPHS



Photo 9 – Exhaust Sample Ports



Photo 10 – Fuse Box



Photo 11 – Constant On Shielded Circuit Breaker

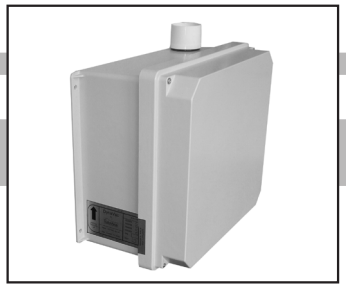
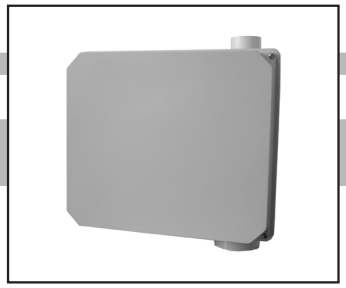


Photo 12 – Visual Alarm

Appendix B

RadonAway™

The World's Leading
Radon Fan Manufaturer

HS Series

Installation & Operating Instructions

RadonAway
3 Saber Way | Ward Hill, MA 01835
www.radonaway.com

P/N IN007-REV J 9/13

RadonAway Ward Hill, MA.

HS Series Fan Installation & Operating Instructions

Please Read and Save These Instructions.

DO NOT CONNECT POWER SUPPLY UNTIL FAN IS COMPLETELY INSTALLED. MAKE SURE ELECTRICAL SERVICE TO FAN IS LOCKED IN "OFF" POSITION. DISCONNECT POWER BEFORE SERVICING FAN.

1. **WARNING!** Do not use fan in hazardous environments where fan electrical system could provide ignition to combustible or flammable materials.
2. **WARNING!** Do not use fan to pump explosive or corrosive gases.
   See Vapor Intrusion Application Note #AN001 for important information on VI applications. RadonAway.com/vapor-intrusion
3. **WARNING!** Check voltage at the fan to insure it corresponds with nameplate.
4. **WARNING!** Normal operation of this device may affect the combustion airflow needed for safe operation of fuel burning equipment. Check for possible backdraft conditions on all combustion devices after installation.
5. **NOTICE!** There are no user serviceable parts located inside the fan unit.
   Do NOT attempt to open. Return unit to the factory for service.
6. All wiring must be performed in accordance with the National Fire Protection Association's (NFPA)"National Electrical Code, Standard #70"-current edition for all commercial and industrial work, and state and local building codes. All wiring must be performed by a qualified and licensed electrician.
7. **WARNING!** In the event that the fan is immersed in water, return unit to factory for service before operating.
8. **WARNING!** Do not twist or torque fan inlet or outlet piping as Leakage may result.
9. **WARNING!** Do not leave fan unit installed on system piping without electrical power for more than 48 hours. Fan failure could result from this non-operational storage.
10. **WARNING!** TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

    a) Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.

    b) Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.

1.0 SYSTEM DESIGN CONSIDERATIONS

1.1 INTRODUCTION

The HS Series Fan is intended for use by trained, certified/licensed, professional Radon mitigators. The purpose of this instruction is to provide additional guidance for the most effective use of the HS Series Fan. This instruction should be considered as a supplement to EPA/Radon Industry standard practices, state and local building codes and state regulations. In the event of a conflict, those codes, practices and regulations take precedence over this instruction.

1.2 ENVIRONMENTALS

The HS Series Fan is designed to perform year-round in all but the harshest climates without additional concern for temperature or weather. For installations in an area of severe cold weather, please contact RadonAway for assistance. When not in operation, the HS Series Fan should be stored in an area where the temperature is never less than 32 degrees F. or more than 100 degrees F. The HS Series Fan is thermally protected such that it will shut off when the internal temperature is above 104 degrees F. Thus if the HS Series Fan is idle in an area where the ambient temperature exceeds this shut off, it will not restart until the internal temperature falls below 104 degrees F.

1.3 ACOUSTICS

The HS Series Fan, when installed properly, operates with little or no noticeable noise to the building occupants. There are, however, some considerations to be taken into account in the system design and installation. When installing the HS Series Fan above sleeping areas, select a location for mounting which is as far away as possible from those areas. Avoid mounting near doors, fold-down stairs or other uninsulated structures which may transmit sound. Insure a solid mounting for the HS Series Fan to avoid structure-borne vibration or noise.

The velocity of the outgoing air must also be considered in the overall system design. With small diameter piping, the "rushing" sound of the outlet air can be disturbing. The system design should incorporate a means to slow and quiet the outlet air. The use of the RadonAway Exhaust Muffler, p/n 24002, is strongly recommended.

1.4 GROUND WATER

Under no circumstances should water be allowed to be drawn into the inlet of the HS Series Fan as this may result in damage to the unit. The HS Series Fan should be mounted at least 5 feet above the slab penetration to minimize the risk of filling the HS Series Fan with water in installations with occasional high water tables.

In the event that a temporary high water table results in water at or above slab level, water will be drawn into the riser pipes thus blocking air flow to the HS Series Fan. The lack of cooling air will result in the HS Series Fan cycling on and off as the internal temperature rises above the thermal cutoff and falls upon shutoff. Should this condition arise, it is recommended that the HS Series Fan be disconnected until the water recedes allowing for return to normal operation.

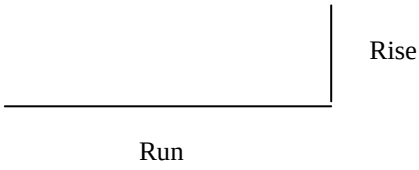
1.5 CONDENSATION & DRAINAGE

(WARNING!: Failure to provide adequate drainage for condensation can result in system failure and damage the HS Series Fan).

Condensation is formed in the piping of a mitigation system when the air in the piping is chilled below its dew point. This can occur at points where the system piping goes through unheated space such as an attic, garage or outside. The system design must provide a means for water to drain back to a slab hole to remove the condensation.

The use of small diameter piping in a system increases the speed at which the air moves. The speed of the air can pull water uphill and at sufficient velocity it can actually move water vertically up the side walls of the pipe. This has the potential of creating a problem in the negative pressure (inlet) side piping. For HS Series Fan inlet piping, the following table provides the minimum recommended pipe diameters as well as minimum pitch under several system conditions. Use this chart to size piping for a system.

Pipe Diam.	Minimum Rise per Foot of Run*		
	@ 25 CFM	@ 50 CFM	@ 100 CFM
4"	1/32 "	3/32 "	3/8 "
3"	1/8 "	3/8 "	1 1/2 "



*Typical operational flow rates:

HS3000, or HS5000	20 - 40 CFM
HS2000	50 - 90 CFM

All exhaust piping should be 2" PVC.

1.6 SYSTEM MONITOR AND LABEL

A properly designed system should incorporate a "System On" Indicator for affirmation of system operation. A Magnehelic pressure gauge is recommended for this purpose. The indicator should be mounted at least 5 feet above the slab penetration to minimize the risk of filling the gauge with water in installations with occasional high water tables. A System Label (P/N 15022) with instructions for contacting the installing contractor for service and also identifying the necessity for regular radon tests to be conducted by the building occupants, must be conspicuously placed where the occupants frequent and can see the label.

1.7 SLAB COVERAGE

The HS Series Fan can provide coverage of well over 1000 sq. ft. per slab penetration. This will, of course, depend on the sub-slab aggregate in any particular installation and the diagnostic results. In general, sand and gravel are much looser aggregates than dirt and clay. Additional suction points can be added as required. It is recommended that a small pit (2 to 10 gallons in size) be created below the slab at each suction hole.

1.8 ELECTRICAL WIRING

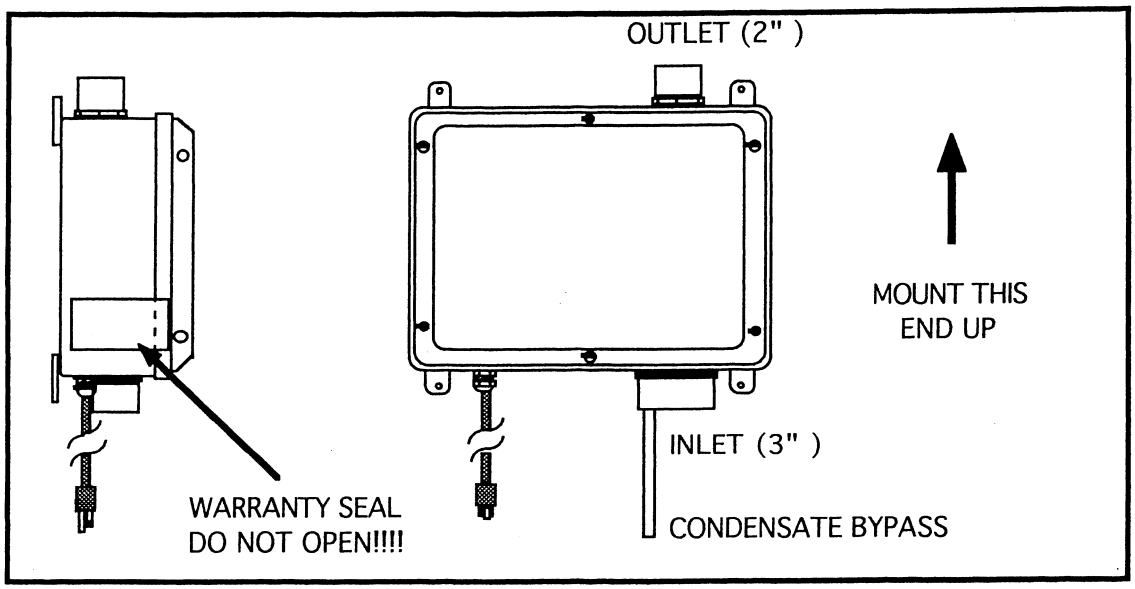
The HS Series Fan plugs into a standard 120V outlet. All wiring must be performed in accordance with the National Fire Protection Association's (NFPA)"National Electrical Code, Standard #70"-current edition for all commercial and industrial work, and state and local building codes. All wiring must be performed by a qualified and licensed electrician. Outdoor installations require the use of a U.L. listed watertight conduit. Ensure that all exterior electrical boxes are outdoor rated and properly caulked to prevent water penetration into the box. A means, such as a weep hole, is recommended to drain the box.

1.8a ELECTRICAL BOX (optional)

The optional Electrical Box (p/n 20003) provides a weather tight box with switch for outdoor hardwire connection. All wiring must be performed in accordance with the National Fire Protection Association's (NFPA)"National Electrical Code, Standard #70"-current edition for all commercial and industrial work, and state and local building codes. All wiring must be performed by a qualified and licensed electrician. Outdoor installations require the use of a U.L. listed watertight conduit. Ensure that all exterior electrical boxes are outdoor rated and properly caulked to prevent water penetration into the box. A means, such as a weep hole, is recommended to drain the box.

1.9 SPEED CONTROLS

Electronic speed controls can **NOT** be used on HS Series units.



2.0 INSTALLATION

2.1 MOUNTING

Mount the HS Series Fan to the wall studs, or similar structure, in the selected location with (4) 1/4" x 1 1/2" lag screws (not provided). Insure the HS Series Fan is both plumb and level.

2.2 DUCTING CONNECTIONS

Make final ducting connection to HS Series Fan with flexible couplings. Insure all connections are tight. Do not twist or torque inlet and outlet piping on HS Series Fan or leaks may result.

2.3 VENT MUFFLER INSTALLATION

Install the muffler assembly in the selected location in the outlet ducting. Solvent weld all connections. The muffler is normally installed above the roofline at the end of the vent pipe.

2.5 OPERATION CHECKS & ANNUAL SYSTEM MAINTENANCE

____ Make final operation checks by verifying all connections are tight and leak-free.

____ Insure the HS Series Fan and all ducting is secure and vibration-free.

____ Verify system vacuum pressure with Magnehelic. Insure vacuum pressure is within normal operating range and less than the maximum recommended as shown below:

HS2000	14" WC
HS3000	21" WC
HS5000	40" WC

(Above are based on sea-level operation, at higher altitudes reduce above by about 4% per 1000 Feet.) If these are exceeded, increase number of suction points.

____ Verify Radon levels by testing to EPA protocol.

PRODUCT SPECIFICATIONS

Model	Maximum Static Suction	Typical CFM vs Static Suction WC (Recommended Operating Range)						Power* Watts @ 115 VAC
		0"	10"	15"	20"	25"	35"	
HS2000	18"	110	72	40	-	-	-	150-270
HS3000	27"	40	33	30	23	18	-	105-195
HS5000	50"	53	47	42	38	34	24	180-320

*Power consumption varies with actual load conditions

Inlet: 3.0" PVC

Outlet: 2.0" PVC

Mounting: Brackets for vertical mount

Weight: Approximately 18 lbs.

Size: Approximately 15"W x 13"H x 8"D

Minimum recommended inlet ducting (greater diameter may always be used):

HS3000, HS5000 --- 2.0" PVC Pipe

HS2000 --- Main feeder line of 3.0" or greater PVC Pipe

Branch lines (if 3 or more) may be 2.0" PVC Pipe

Outlet ducting: 2.0" PVC

Storage temperature range: 32 - 100 degrees F.

Thermally protected

Locked rotor protection

Internal Condensate Bypass

IMPORTANT INSTRUCTIONS TO INSTALLER

Inspect the HS Series Fan for shipping damage within 15 days of receipt. Notify **RadonAway of any damages immediately**. RadonAway is not responsible for damages incurred during shipping. However, for your benefit, RadonAway does insure shipments.

There are no user serviceable parts inside the fan. **Do not attempt to open.** Return unit to factory for service.

Install the HS Series Fan in accordance with all EPA standard practices, and state and local building codes and state regulations.

Provide a copy of this instruction or comparable radon system and testing information to the building occupants after completing system installation.

WARRANTY

Subject to any applicable consumer protection legislation, RadonAway warrants that the HS Series Fan (the "Fan") will be free from defects in materials and workmanship for a period of one (1) year from the date of manufacture (the "Warranty Term"). Outside the Continental United States and Canada the Warranty Term is one (1) year from the date of manufacture.

RadonAway will repair any fan which fails due to defects in materials or workmanship. The Fan must be returned (at owner's cost) to the RadonAway factory. Proof of purchase must be supplied upon request for service under this Warranty.

This Warranty is contingent on installation of the Fan in accordance with the instructions provided. This Warranty does not apply where any repairs or alterations have been made or attempted by others, or if the unit has been abused or misused. Warranty does not include damage in shipment unless the damage is due to the negligence of RadonAway.

RadonAway is not responsible for installation, removal or delivery costs associated with this Warranty.

EXCEPT AS STATED ABOVE, THE HS SERIES FANS ARE PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

IN NO EVENT SHALL RADONAWAY BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF, OR RELATING TO, THE FAN OR THE PERFORMANCE THEREOF. RADONAWAY'S AGGREGATE LIABILITY HEREUNDER SHALL NOT IN ANY EVENT EXCEED THE AMOUNT OF THE PURCHASE PRICE OF SAID PRODUCT. THE SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY SHALL BE THE REPAIR OR REPLACEMENT OF THE PRODUCT, TO THE EXTENT THE SAME DOES NOT MEET WITH RADONAWAY'S WARRANTY AS PROVIDED ABOVE.

For service under this Warranty, contact RadonAway for a Return Material Authorization (RMA) number and shipping information. No returns can be accepted without an RMA. If factory return is required, the customer assumes all shipping cost to and from factory.

RadonAway
3 Saber Way
Ward Hill, MA 01835
TEL. (978) 521-3703
FAX (978) 521-3964

Record the following information for your records:

Serial No._____

Purchase Date_____

Appendix D

Waste Profiles

Profile Tracking # _____

WASTE PROFILE FORM

For assistance in completing this document or for additional information on EQ's service offerings, please visit our website at www.eqonline.com, or call 800-592-5489.

EQ – The Environmental Quality Company will choose the appropriate facility and method of waste management for your waste from the technologies offered at each EQ operation.

If you wish to direct this waste to a specific EQ facility(s) or treatment technology please indicate here:

Waste Common Name: Hazardous (D008) Soil - Pile 6

Section 1 – Generator & Customer Information

Generator EPA ID # MIK468293311
Generator RACER Trust
Facility Address 2901 Tyler Rd
City Ypsilanti State MI Zip 48198
24-hour Emergency Response Number
1-800-424-9300

Mailing Address 500 Woodward Ave., Suite 1510
City Detroit State MI Zip 48226
Generator Contact Grant Trigger
Title Cleanup Manager
Phone 313-670-6226 Fax
E-mail gtrigger@racertrust.org

Internal Use Only: EQ Division
EQ Customer No.
Invoicing Company Conestoga-Rovers & Associates, Inc.
Address 2055 Niagara Falls Blvd., Suite 3
City Niagara Falls State NY Zip 14304
Country USA
Invoicing Contact Lynn Jancetic
Phone 716-297-6150 Fax 716-297-2265
Technical Contact David Canfield
Phone 734-453-5123 Fax 734-453-5201
Cell Phone 315-447-9024
E-mail dcanfield@craworld.com

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency:
a) Volume of Waste to be Shipped: 135 Tons
b) Frequency: ☒ One time ☐ Month ☐ Year ☐ Other:

2.2) DOT Information
a) Is this a U.S. Department of Transportation (USDOT) Hazardous Material? ☒ Yes ☐ No
b) If "Yes", indicate the proper shipping name per 49CFR 172.101 Hazardous Materials Table:
NA3077, Hazardous waste, solid, n.o.s. (D008), 9 , PG III

Section 3 – Special Properties

3.1) Color Brown

3.2) Odor ☒ None ☐ Ammonia ☐ Amines ☐ Mercaptans ☐ Sulfur ☐ Organic Acid ☐ Amines/Ammonia ☐ Other:

3.3) Consistency at 70^0F: ☒ Solid ☐ Dust/Powder ☐ Debris ☐ Sludge ☐ Liquid ☐ Gas/Aerosol ☐ Varies

3.4) What is the pH? ☐ ≤2 ☐ 2.1-4.9 ☐ 5 – 10 ☐ 10.1 – 12.4 ☐ ≥12.5 ☒ N/A

3.5) What is the flash point? ☐ <90^0F ☐ 90-139^0F ☐ 140-199^0F ☐ >200^0F ☒ N/A

3.6) Does this waste exhibit any of the following properties? **(check all that apply)**

☒ **None**	☐ Free Liquids	☐ Metal Fines	☐ Water Reactive	☐ Biohazard
☐ Shock Sensitive	☐ Oily Residue	☐ Dioxins	☐ Furans	☐ Aluminum
☐ Asbestos – non-friable	☐ Asbestos – friable	☐ Other Radioactive	☐ Air Reactive	☐ Isocyanates
☐ Biodegradable Sorbents	☐ Pyrophoric	☐ Reactive Sulfide	☐ Reactive Cyanide	☐ Explosives
☐ Temperature Controlled Organic Peroxide		☐ NORM	☐ TENORM	

Section 4 – Composition and Generating Process

4.1) Provide a physical and chemical composition of the waste (e.g. soil, water, PPE, debris, etc.). List the percent ranges of the material, either estimated or known.

Soil 99 to 100 % PPE, trash 0 to 1 %

Paint solids 0 to 1 % to %

Concrete 0 to 1 % to %

4.2) Provide a description of the generating process. *Remediation & IDW Sites: please provide a site history.*
Soil generated from remedial excavation. See attached analytical, samples SO-17303-041714-DB-004 thru -008 & SO-17303-123013-CT-109 represent this waste.

4.3) Are there any known previous handling or treatment issues involving this waste? ☐ Yes* ☒ No
*If yes, describe:

Section 5 – Hazardous Wastes

As determined by 40 CFR, Part 261 and State Rules: **Please list applicable waste code(s):**

5.1) Is this waste exempted from RCRA? ☐ Yes, please provide exemption: ☒ No

5.2) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? ☐ Yes: ☒ No
a) For F006–F009, F012, does this come from a generator that conducts a cyanide plating process? ☐Yes ☐No

5.3) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? ☒ Yes: D008 ☐ No

5.4) Do any State Specific Hazardous Waste Codes apply? ☐ Yes: ☒ No

If you answered 'no' to 5.2, 5.3 and 5.4, please proceed to Section 6.

5.5) EPA Source Code: G44 EPA Form Code: W301

5.6) Waste Code Determination Is Based On: ☒ Generator Knowledge ☒ Analysis ☐ MSDS
Analysis and/or MSDS may be required for review and approval for hazardous and non-hazardous waste streams.

5.7) Does this waste exceed Land Disposal Restriction levels? ☒ Yes ☐ No

a) Is this stream a wastewater (WW) or non-wastewater (NWW)? ☐ WW ☒ NWW
b) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40CFR 268.49? ☐ Yes ☒ No
c) Does this waste contain greater than 50% debris, by volume? ☐ Yes ☒ No
(Debris is greater than 2.5 inches in size.)
d) If the debris is larger than 3 ft x 3 ft x 3 ft, please provide the approximate dimensions and weight:

5.8) If this is a characteristic hazardous waste, does it contain Underlying Hazardous Constituents? ☐ Yes* ☒ No

*If Yes, please list:

For a complete list of UHC constituents, please refer to 40 CFR 268.48

Section 6 – Non-Hazardous Wastes

Please list applicable waste code(s):

6.1) Do any State Specific Non-Hazardous Waste Codes apply? ☐ Yes ☒ No

6.2) Is this a Universal (UNIV) waste or a Recyclable Good (RG)? ☐ UNIV ☐ RG ☒ N/A

6.3) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes ☒ No

a) If yes, is the total halogen content of the used oil waste stream greater than 1,000 ppm? ☐ Yes ☐ No

b) If yes, what is the source of the halogen content?

- ☐ This is a metalworking oil/fluid containing chlorinated paraffins.
- ☐ This is used oil contaminated with chlorofluorocarbons from refrigeration units.
- ☐ This oil contains halogenated solvents. List specific solvents:
- ☐ Other, describe:

Section 7 – TSCA Information

7.1) What is the concentration of PCBs in the waste? ☐ None ☒ 0-49 ppm ☐ 50-499 ppm ☐ 500+ ppm

7.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☐ Yes ☒ No ☐ Unknown

If you answered "none" or "0-49 ppm"' to 7.1 and "no" to 7.2, please proceed to Section 8.

7.3) Has this waste been processed into a non-liquid form? ☐ Yes* ☐ No

*If yes, what was the concentration of PCBs prior to processing? ☐ 0-499 ppm ☐ 500+ ppm

7.4) Is this non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☐ No

7.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☐ No

7.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☐ N/A ☐ Yes ☐ No

Section 8 – Clean Air Act Information

8.1) Is this waste subject to regulation under 40 CFR, Part 264, Subpart CC (VOC > 500 ppmw)? ☐ Yes ☒ No

8.2) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD (VOHAP > 500 ppmw)? ☐ Yes ☒ No

8.3) Is the site, or waste, subject to any other NESHAP/MACT standard(s)? ☐ Yes* ☒ No

*If Yes this document serves as notification that this waste contains chemicals , required to be managed in accordance with Part ☐ 61 ☐ 62 ☐ 63 Subpart of NESHAP/MACT standards.

8.4) Does this waste stream contain Benzene? ☐ Yes ☒ No

If you answered "no" to 8.4, please proceed to Section 9.

8.5) Does the waste stream come from a facility subject to 40 CFR 61, Subpart FF (Benzene NESHAP)?

☐ Yes, please provide the SIC/NAICS code: ☐ No

If you answered "no" to questions 8.5, please proceed to Section 9.

8.6) Does your facility manage the waste subject to Benzene NESHAP in a manner other than shipping off-site?

☐ Yes, please specify: ☐ No

8.7) Is the generating source of this waste a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☐ No

8.8) Does the waste contain >10% water? ☐ Yes ☐ No

8.9) What is the TAB quantity for your facility? Mg/Year

8.10) What is the total Benzene concentration in your waste? Percent or ppmw.

Supporting analysis must be attached. Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.

Section 9 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's personnel to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's personnel to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

If I am an agent acting on behalf of the generator, I also certify that I have permission to sign any and all waste characterization paperwork on the generator's behalf and that I can produce such certification in writing upon request.

Generator Signature _____ Printed Name David Crawford

Company Agent Title As Agent for RACER Trust & RACER Date 5/31/14

STANDARD TERMS AND CONDITIONS

The Agreement between the Customer and EQ – The Environmental Quality Company and/or its member companies (hereinafter "EQ") related to or associated with Delivered Waste, as herein defined, shall be governed by the following Standard Terms and Conditions in addition to the terms and conditions contained in any Waste Profile Form, Customer Approval Quote Confirmation, Generator Approval Notification, Notice of Waste Approval Expiration, and/or Credit Agreement associated with such Delivered Waste.

The Customer may use its standard forms (such as purchase orders, acknowledgments of orders, and invoices) to administer its dealings under this Agreement for convenience purposes, but all provisions thereof in conflict with these terms and conditions shall be deemed stricken.

Definitions

The following definitions shall apply for purposes of this Agreement:

"**Acceptable Waste"** shall mean any hazardous waste, as defined under applicable State or federal law, determined by EQ as acceptable for treatment and/or disposal in accordance with this Agreement.

"**Delivered Wastes"** shall mean all wastes (i) which are transported, delivered, or tendered to EQ by the Customer; (ii) which the Customer has arranged for the transport, delivery or tender to EQ; or (iii)) which are transported, delivered, or tendered to EQ under a Credit Agreement between the Customer and EQ.

"Non-Conforming Wastes" shall mean wastes that (a) are not in accordance in all material respects with the warranties, descriptions, specifications or limitations stated in the Waste Profile Form and this Agreement; (b) have constituents or components of a type or concentration not specifically identified in the Waste Profile Form (i) which increase the nature or extent of the hazard and risk undertaken by EQ in treating and/or disposing of the waste, or (ii) for whose treatment and/or disposal a Waste Management Facility is not designed or permitted, or (iii) which increase the cost of treatment and/or disposal of waste beyond that specified in EQ's price quote; or (c) are not properly packaged, labeled, described, or placarded, or otherwise not in compliance with United States Department of Transportation and United States Environmental Protection Agency regulations.

Control of Operations.

EQ shall have sole control over all aspects of the operation of any treatment and/or disposal facility of EQ receiving Delivered Wastes under this Agreement (hereinafter, "Waste Management Facility"), including, without limitation, maintaining EQ's desired volume of Acceptable Wastes being delivered to any Waste Management Facility by the Customer or any other person or entity.

Identification of Waste.

For each waste material to be transported, delivered, or tendered to EQ under this Agreement, the Customer shall provide, or cause to be provided, to EQ a representative sample of the waste material and a completed Waste Profile Form containing a physical and chemical description or analysis of such waste material, which description shall conform with any and all guidelines for waste acceptance provided by EQ. On the basis of EQ's analysis of such representative sample of the waste material and such Waste Profile Form, EQ will determine whether such wastes are Acceptable Wastes. EQ does not make any guarantee that it will handle any waste material or any particular quantity or type of waste material, and EQ reserves the right to the decline to transport, treat and/or dispose of waste material. The Customer shall promptly furnish to EQ any information regarding known, suspected or planned changes in the composition of the waste material. Further, the Customer shall promptly inform EQ of any change in the characteristic or condition of the waste material which becomes known to the Customer subsequent to the date of the Waste Profile Form.

Non-Conforming Wastes.

In the event that EQ at any time discovers that any Delivered Waste is Non-Conforming Waste, EQ may reject or revoke its acceptance of the Non-Conforming Waste. The Customer shall have seven (7) days to direct an alternative lawful manner of disposition of the waste, unless it is necessary by reason of law or otherwise to move the Non-Conforming Waste prior to expiration of the seven (7) day period. If the Customer does not direct an alternative disposal, at its option, EQ may return any such Non-Conforming Wastes to the Customer, and the Customer shall pay or reimburse EQ for all costs and expenses incurred by EQ in connection with the receipt, handling, sampling, analyses, transportation and return to the Customer of such Non-Conforming Wastes. If it is impossible or impractical for EQ to return the Non-Conforming Waste to the Customer, the Customer shall reimburse EQ for all costs, of any type or nature whatsoever, incurred by EQ, solely because such Delivered Waste was Non-Conforming Waste (including, but not limited to, all costs associated with any remedial steps necessary, due to the nature of the Non-Conforming Waste, in connection with material with which the Non-Conforming Waste may have been commingled and all expenses and charges for analyzing, handling, locating, preparing for transporting, storing and disposing of any Non-Conforming Waste).

Customer Warranty - Acceptable Wastes.

All Delivered Wastes shall be Acceptable Wastes and shall conform in all material respects to the description and specifications contained in the Waste Profile Form. The information set forth in the Waste Profile Form or any manifest, placard or label associated with any Delivered Wastes, or otherwise represented by the Customer or the generator (if other than the Customer) to EQ, is and shall be true, accurate and complete as of the date of receipt of the involved waste by EQ.

Customer Warranty - Title to Wastes.

Either the Customer or the generator (if other than the Customer) shall hold clear title, free of any all liens, claims, encumbrances, and charges to Delivered Waste until such waste is accepted by EQ.

Customer Warranty - Compliance with Laws.

The Customer shall comply with all applicable federal, state and local environmental statutes, regulations, and other governmental requirements, as well as directives issued by EQ from time to time, governing the transportation, treatment and/or disposal of Acceptable Wastes, including, but not limited to, all packaging, manifesting, containerization, placarding and labeling requirements.

Customer Warranty - Updating Information.

If the Customer receives information that Delivered Waste or other hazardous waste described in the Waste Profile Form, or some component of such waste, presents or may present a hazard or risk to persons, property or the environment which was not disclosed to EQ, or if the Customer or generator (if other than the Customer) has changed the process by which such waste results, the Customer shall promptly report such information to EQ in writing.

Customer Indemnity.

The Customer shall indemnify, defend and hold harmless EQ, and its affiliated or related companies, and all of their respective present or future officers, directors, shareholders, employees and agents from and against any and all losses, damages, liabilities, penalties, fines, forfeitures, demands, claims, causes of action, suits, costs and expenses (including, but not limited to, reasonable costs of defense, settlement, and reasonable attorneys' fees), which may be asserted against any or all of them by any person or any governmental agency, or which any or all of them may hereafter suffer, incur, be responsible for or pay out, as a result of or in connection with bodily injuries (including, but not limited to, death, sickness, disease and emotional or mental distress) to any person (including EQ's employees), damage (including, but not limited to, loss of use) to any property (public or private), or any requirements to conduct or incur expense for investigative, removal or remedial expenses in connection with contamination of or adverse effect on the environment, or any violation or alleged violation of any statues, ordinances, orders, rules or regulations of any governmental entity or agency, caused or arising out of (i) a breach of this Agreement by the Customer, (ii) the failure of any warranty of the Customer to be true, accurate and complete, or (iii) any willful or negligent act or omission of the Customer, or its employees or agents in connection with the performance of this Agreement.

Force Majeure

EQ shall not be liable for any failure to accept, receive, handle, treat, and/or dispose of Delivered Waste due to an act of God, fire, casualty, flood, war, strike, lockout, labor trouble, failure of public utilities, equipment failure, facility shutdown, injunction, accident, epidemic, riot, insurrection, destruction of operation or transportation facilities, the inability to procure materials, equipment, or sufficient personnel or energy in order to meet operational needs without the necessity of allocation, the failure or inability to obtain any governmental approvals or to meet Environmental Requirements (including, but not limited to voluntary or involuntary compliance with any act, exercise, assertion, or requirement of any governmental authority) which may temporarily or permanently prohibit operations of EQ, the Customer, or the Generator, or any other circumstances beyond the control of EQ which prevents or delays performance of any of its obligations under this Agreement.

Governing Laws

This Agreement shall in all respects be governed by and shall be construed in accordance with the laws of the State of Michigan applied to contracts executed and performed wholly within such state.

Bulk Disposal Charges

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

Profile Tracking # _____

WASTE PROFILE FORM

For assistance in completing this document or for additional information on EQ's service offerings, please visit our website at www.eqonline.com, or call 800-592-5489.

EQ – The Environmental Quality Company will choose the appropriate facility and method of waste management for your waste from the technologies offered at each EQ operation.

If you wish to direct this waste to a specific EQ facility(s) or treatment technology please indicate here:

Waste Common Name: Hazardous (D040) Soil - Pile 1

Section 1 – Generator & Customer Information

Generator EPA ID # MIK468293311
Generator RACER Trust
Facility Address 2901 Tyler Rd
City Ypsilanti State MI Zip 48198
24-hour Emergency Response Number
1-800-424-9300

Mailing Address 500 Woodward Ave., Suite 1510
City Detroit State MI Zip 48226
Generator Contact Grant Trigger
Title Cleanup Manager
Phone 313-670-6226 Fax
E-mail gtrigger@racertrust.org

Internal Use Only: EQ Division
EQ Customer No.
Invoicing Company Conestoga-Rovers & Associates, Inc.
Address 2055 Niagara Falls Blvd., Suite 3
City Niagara Falls State NY Zip 14304
Country USA
Invoicing Contact Lynn Jancetic
Phone 716-297-6150 Fax 716-297-2265
Technical Contact David Canfield
Phone 734-453-5123 Fax 734-453-5201
Cell Phone 315-447-9024
E-mail dcanfield@craworld.com

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency:
a) Volume of Waste to be Shipped: 85 Tons
b) Frequency: ☒ One time ☐ Month ☐ Year ☐ Other:

2.2) DOT Information
a) Is this a U.S. Department of Transportation (USDOT) Hazardous Material? ☒ Yes ☐ No
b) If "Yes", indicate the proper shipping name per 49CFR 172.101 Hazardous Materials Table:
NA3077, Hazardous waste, solid, n.o.s. (D040), 9 , PG III

Section 3 – Special Properties

3.1) Color Brown

3.2) Odor ☒ None ☐ Ammonia ☐ Amines ☐ Mercaptans ☐ Sulfur ☐ Organic Acid ☐ Amines/Ammonia ☐ Other:

3.3) Consistency at 70^0F: ☒ Solid ☐ Dust/Powder ☐ Debris ☐ Sludge ☐ Liquid ☐ Gas/Aerosol ☐ Varies

3.4) What is the pH? ☐ ≤2 ☐ 2.1-4.9 ☐ 5 – 10 ☐ 10.1 – 12.4 ☐ ≥12.5 ☒ N/A

3.5) What is the flash point? ☐ <90^0F ☐ 90-139^0F ☐ 140-199^0F ☐ >200^0F ☒ N/A

3.6) Does this waste exhibit any of the following properties? **(check all that apply)**

☒ **None**	☐ Free Liquids	☐ Metal Fines	☐ Water Reactive	☐ Biohazard
☐ Shock Sensitive	☐ Oily Residue	☐ Dioxins	☐ Furans	☐ Aluminum
☐ Asbestos – non-friable	☐ Asbestos – friable	☐ Other Radioactive	☐ Air Reactive	☐ Isocyanates
☐ Biodegradable Sorbents	☐ Pyrophoric	☐ Reactive Sulfide	☐ Reactive Cyanide	☐ Explosives
☐ Temperature Controlled Organic Peroxide		☐ NORM	☐ TENORM	

Section 4 – Composition and Generating Process

4.1) Provide a physical and chemical composition of the waste (e.g. soil, water, PPE, debris, etc.). List the percent ranges of the material, either estimated or known.

Soil 99 to 100 % PPE, trash 0 to 1 %

Paint solids 0 to 1 % to %

Concrete 0 to 1 % to %

4.2) Provide a description of the generating process. *Remediation & IDW Sites: please provide a site history.*
Soil generated from remedial excavation. See attached analytical, samples SO-17303-041714-DB-001 & SO-17303-123013-CT-100 & -101 represent this waste.

4.3) Are there any known previous handling or treatment issues involving this waste? ☐ Yes* ☒ No
*If yes, describe:

Section 5 – Hazardous Wastes

As determined by 40 CFR, Part 261 and State Rules: **Please list applicable waste code(s):**

5.1) Is this waste exempted from RCRA? ☐ Yes, please provide exemption: ☒ No

5.2) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? ☐ Yes: ☒ No
a) For F006–F009, F012, does this come from a generator that conducts a cyanide plating process? ☐Yes ☐No

5.3) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? ☒ Yes:D040 ☐ No

5.4) Do any State Specific Hazardous Waste Codes apply? ☐ Yes: ☒ No

If you answered 'no' to 5.2, 5.3 and 5.4, please proceed to Section 6.

5.5) EPA Source Code: G44 EPA Form Code: W301

5.6) Waste Code Determination Is Based On: ☒ Generator Knowledge ☒ Analysis ☐ MSDS
Analysis and/or MSDS may be required for review and approval for hazardous and non-hazardous waste streams.

5.7) Does this waste exceed Land Disposal Restriction levels? ☐ Yes ☒ No

a) Is this stream a wastewater (WW) or non-wastewater (NWW)? ☐ WW ☒ NWW
b) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40CFR 268.49? ☒ Yes ☐ No
c) Does this waste contain greater than 50% debris, by volume? ☐ Yes ☒ No
(Debris is greater than 2.5 inches in size.)
d) If the debris is larger than 3 ft x 3 ft x 3 ft, please provide the approximate dimensions and weight:

5.8) If this is a characteristic hazardous waste, does it contain Underlying Hazardous Constituents? ☐ Yes* ☒ No

*If Yes, please list:

For a complete list of UHC constituents, please refer to 40 CFR 268.48

Section 6 – Non-Hazardous Wastes

Please list applicable waste code(s):

6.1) Do any State Specific Non-Hazardous Waste Codes apply? ☐ Yes ☒ No

6.2) Is this a Universal (UNIV) waste or a Recyclable Good (RG)? ☐ UNIV ☐ RG ☒ N/A

6.3) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes ☒ No

a) If yes, is the total halogen content of the used oil waste stream greater than 1,000 ppm? ☐ Yes ☐ No

b) If yes, what is the source of the halogen content?

- ☐ This is a metalworking oil/fluid containing chlorinated paraffins.
- ☐ This is used oil contaminated with chlorofluorocarbons from refrigeration units.
- ☐ This oil contains halogenated solvents. List specific solvents:
- ☐ Other, describe:

Section 7 – TSCA Information

7.1) What is the concentration of PCBs in the waste? ☐ None ☒ 0-49 ppm ☐ 50-499 ppm ☐ 500+ ppm

7.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☐ Yes ☒ No ☐ Unknown

If you answered "none" or "0-49 ppm"' to 7.1 and "no" to 7.2, please proceed to Section 8.

7.3) Has this waste been processed into a non-liquid form? ☐ Yes* ☐ No

*If yes, what was the concentration of PCBs prior to processing? ☐ 0-499 ppm ☐ 500+ ppm

7.4) Is this non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☐ No

7.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☐ No

7.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☐ N/A ☐ Yes ☐ No

Section 8 – Clean Air Act Information

8.1) Is this waste subject to regulation under 40 CFR, Part 264, Subpart CC (VOC > 500 ppmw)? ☐ Yes ☒ No

8.2) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD (VOHAP > 500 ppmw)? ☐ Yes ☒ No

8.3) Is the site, or waste, subject to any other NESHAP/MACT standard(s)? ☐ Yes* ☒ No

*If Yes this document serves as notification that this waste contains chemicals , required to be managed in accordance with Part ☐ 61 ☐ 62 ☐ 63 Subpart of NESHAP/MACT standards.

8.4) Does this waste stream contain Benzene? ☐ Yes ☒ No

If you answered "no" to 8.4, please proceed to Section 9.

8.5) Does the waste stream come from a facility subject to 40 CFR 61, Subpart FF (Benzene NESHAP)?

☐ Yes, please provide the SIC/NAICS code: ☐ No

If you answered "no" to questions 8.5, please proceed to Section 9.

8.6) Does your facility manage the waste subject to Benzene NESHAP in a manner other than shipping off-site?

☐ Yes, please specify: ☐ No

8.7) Is the generating source of this waste a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☐ No

8.8) Does the waste contain >10% water? ☐ Yes ☐ No

8.9) What is the TAB quantity for your facility? Mg/Year

8.10) What is the total Benzene concentration in your waste? Percent or ppmw.

Supporting analysis must be attached. Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.

Section 9 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's personnel to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's personnel to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

If I am an agent acting on behalf of the generator, I also certify that I have permission to sign any and all waste characterization paperwork on the generator's behalf and that I can produce such certification in writing upon request.

Generator Signature _____ Printed Name David Canfield

Company Agent Title As Agent For RACER Trust a RACER Date 5/31/11

STANDARD TERMS AND CONDITIONS

The Agreement between the Customer and EQ – The Environmental Quality Company and/or its member companies (hereinafter "EQ") related to or associated with Delivered Waste, as herein defined, shall be governed by the following Standard Terms and Conditions in addition to the terms and conditions contained in any Waste Profile Form, Customer Approval Quote Confirmation, Generator Approval Notification, Notice of Waste Approval Expiration, and/or Credit Agreement associated with such Delivered Waste.

The Customer may use its standard forms (such as purchase orders, acknowledgments of orders, and invoices) to administer its dealings under this Agreement for convenience purposes, but all provisions thereof in conflict with these terms and conditions shall be deemed stricken.

Definitions

The following definitions shall apply for purposes of this Agreement:

"**Acceptable Waste"** shall mean any hazardous waste, as defined under applicable State or federal law, determined by EQ as acceptable for treatment and/or disposal in accordance with this Agreement.

"**Delivered Wastes"** shall mean all wastes (i) which are transported, delivered, or tendered to EQ by the Customer; (ii) which the Customer has arranged for the transport, delivery or tender to EQ; or (iii)) which are transported, delivered, or tendered to EQ under a Credit Agreement between the Customer and EQ.

"Non-Conforming Wastes" shall mean wastes that (a) are not in accordance in all material respects with the warranties, descriptions, specifications or limitations stated in the Waste Profile Form and this Agreement; (b) have constituents or components of a type or concentration not specifically identified in the Waste Profile Form (i) which increase the nature or extent of the hazard and risk undertaken by EQ in treating and/or disposing of the waste, or (ii) for whose treatment and/or disposal a Waste Management Facility is not designed or permitted, or (iii) which increase the cost of treatment and/or disposal of waste beyond that specified in EQ's price quote; or (c) are not properly packaged, labeled, described, or placarded, or otherwise not in compliance with United States Department of Transportation and United States Environmental Protection Agency regulations.

Control of Operations.

EQ shall have sole control over all aspects of the operation of any treatment and/or disposal facility of EQ receiving Delivered Wastes under this Agreement (hereinafter, "Waste Management Facility"), including, without limitation, maintaining EQ's desired volume of Acceptable Wastes being delivered to any Waste Management Facility by the Customer or any other person or entity.

Identification of Waste.

For each waste material to be transported, delivered, or tendered to EQ under this Agreement, the Customer shall provide, or cause to be provided, to EQ a representative sample of the waste material and a completed Waste Profile Form containing a physical and chemical description or analysis of such waste material, which description shall conform with any and all guidelines for waste acceptance provided by EQ. On the basis of EQ's analysis of such representative sample of the waste material and such Waste Profile Form, EQ will determine whether such wastes are Acceptable Wastes. EQ does not make any guarantee that it will handle any waste material or any particular quantity or type of waste material, and EQ reserves the right to the decline to transport, treat and/or dispose of waste material. The Customer shall promptly furnish to EQ any information regarding known, suspected or planned changes in the composition of the waste material. Further, the Customer shall promptly inform EQ of any change in the characteristic or condition of the waste material which becomes known to the Customer subsequent to the date of the Waste Profile Form.

Non-Conforming Wastes.

In the event that EQ at any time discovers that any Delivered Waste is Non-Conforming Waste, EQ may reject or revoke its acceptance of the Non-Conforming Waste. The Customer shall have seven (7) days to direct an alternative lawful manner of disposition of the waste, unless it is necessary by reason of law or otherwise to move the Non-Conforming Waste prior to expiration of the seven (7) day period. If the Customer does not direct an alternative disposal, at its option, EQ may return any such Non-Conforming Wastes to the Customer, and the Customer shall pay or reimburse EQ for all costs and expenses incurred by EQ in connection with the receipt, handling, sampling, analyses, transportation and return to the Customer of such Non-Conforming Wastes. If it is impossible or impractical for EQ to return the Non-Conforming Waste to the Customer, the Customer shall reimburse EQ for all costs, of any type or nature whatsoever, incurred by EQ, solely because such Delivered Waste was Non-Conforming Waste (including, but not limited to, all costs associated with any remedial steps necessary, due to the nature of the Non-Conforming Waste, in connection with material with which the Non-Conforming Waste may have been commingled and all expenses and charges for analyzing, handling, locating, preparing for transporting, storing and disposing of any Non-Conforming Waste).

Customer Warranty - Acceptable Wastes.

All Delivered Wastes shall be Acceptable Wastes and shall conform in all material respects to the description and specifications contained in the Waste Profile Form. The information set forth in the Waste Profile Form or any manifest, placard or label associated with any Delivered Wastes, or otherwise represented by the Customer or the generator (if other than the Customer) to EQ, is and shall be true, accurate and complete as of the date of receipt of the involved waste by EQ.

Customer Warranty - Title to Wastes.

Either the Customer or the generator (if other than the Customer) shall hold clear title, free of any all liens, claims, encumbrances, and charges to Delivered Waste until such waste is accepted by EQ.

Customer Warranty - Compliance with Laws.

The Customer shall comply with all applicable federal, state and local environmental statutes, regulations, and other governmental requirements, as well as directives issued by EQ from time to time, governing the transportation, treatment and/or disposal of Acceptable Wastes, including, but not limited to, all packaging, manifesting, containerization, placarding and labeling requirements.

Customer Warranty - Updating Information.

If the Customer receives information that Delivered Waste or other hazardous waste described in the Waste Profile Form, or some component of such waste, presents or may present a hazard or risk to persons, property or the environment which was not disclosed to EQ, or if the Customer or generator (if other than the Customer) has changed the process by which such waste results, the Customer shall promptly report such information to EQ in writing.

Customer Indemnity.

The Customer shall indemnify, defend and hold harmless EQ, and its affiliated or related companies, and all of their respective present or future officers, directors, shareholders, employees and agents from and against any and all losses, damages, liabilities, penalties, fines, forfeitures, demands, claims, causes of action, suits, costs and expenses (including, but not limited to, reasonable costs of defense, settlement, and reasonable attorneys' fees), which may be asserted against any or all of them by any person or any governmental agency, or which any or all of them may hereafter suffer, incur, be responsible for or pay out, as a result of or in connection with bodily injuries (including, but not limited to, death, sickness, disease and emotional or mental distress) to any person (including EQ's employees), damage (including, but not limited to, loss of use) to any property (public or private), or any requirements to conduct or incur expense for investigative, removal or remedial expenses in connection with contamination of or adverse effect on the environment, or any violation or alleged violation of any statues, ordinances, orders, rules or regulations of any governmental entity or agency, caused or arising out of (i) a breach of this Agreement by the Customer, (ii) the failure of any warranty of the Customer to be true, accurate and complete, or (iii) any willful or negligent act or omission of the Customer, or its employees or agents in connection with the performance of this Agreement.

Force Majeure

EQ shall not be liable for any failure to accept, receive, handle, treat, and/or dispose of Delivered Waste due to an act of God, fire, casualty, flood, war, strike, lockout, labor trouble, failure of public utilities, equipment failure, facility shutdown, injunction, accident, epidemic, riot, insurrection, destruction of operation or transportation facilities, the inability to procure materials, equipment, or sufficient personnel or energy in order to meet operational needs without the necessity of allocation, the failure or inability to obtain any governmental approvals or to meet Environmental Requirements (including, but not limited to voluntary or involuntary compliance with any act, exercise, assertion, or requirement of any governmental authority) which may temporarily or permanently prohibit operations of EQ, the Customer, or the Generator, or any other circumstances beyond the control of EQ which prevents or delays performance of any of its obligations under this Agreement.

Governing Laws

This Agreement shall in all respects be governed by and shall be construed in accordance with the laws of the State of Michigan applied to contracts executed and performed wholly within such state.

Bulk Disposal Charges

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

Profile Tracking # _____

WASTE PROFILE FORM

For assistance in completing this document or for additional information on EQ's service offerings, please visit our website at www.eqonline.com, or call 800-592-5489.

EQ – The Environmental Quality Company will choose the appropriate facility and method of waste management for your waste from the technologies offered at each EQ operation.

If you wish to direct this waste to a specific EQ facility(s) or treatment technology please indicate here:

Waste Common Name: Hazardous (D040, D007) Soil & Paint Solids - Pile 3/4

Section 1 – Generator & Customer Information

Generator EPA ID # MIK468293311
Generator RACER Trust
Facility Address 2901 Tyler Rd
City Ypsilanti State MI Zip 48198
24-hour Emergency Response Number
1-800-424-9300

Mailing Address 500 Woodward Ave., Suite 1510
City Detroit State MI Zip 48226
Generator Contact Grant Trigger
Title Cleanup Manager
Phone 313-670-6226 Fax
E-mail gtrigger@racertrust.org

Internal Use Only: EQ Division
EQ Customer No.
Invoicing Company Conestoga-Rovers & Associates, Inc.
Address 2055 Niagara Falls Blvd., Suite 3
City Niagara Falls State NY Zip 14304
Country USA
Invoicing Contact Lynn Jancetic
Phone 716-297-6150 Fax 716-297-2265
Technical Contact David Canfield
Phone 734-453-5123 Fax 734-453-5201
Cell Phone 315-447-9024
E-mail dcanfield@craworld.com

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency:
a) Volume of Waste to be Shipped: 400 Tons
b) Frequency: ☒ One time ☐ Month ☐ Year ☐ Other:

2.2) DOT Information
a) Is this a U.S. Department of Transportation (USDOT) Hazardous Material? ☒ Yes ☐ No
b) If "Yes", indicate the proper shipping name per 49CFR 172.101 Hazardous Materials Table:
NA3077, Hazardous waste, solid, n.o.s. (D040, D007), 9 , PG III

Section 3 – Special Properties

3.1) Color Various

3.2) Odor ☒ None ☐ Ammonia ☐ Amines ☐ Mercaptans ☐ Sulfur ☐ Organic Acid ☐ Amines/Ammonia ☐ Other:

3.3) Consistency at 70^0F: ☒ Solid ☐ Dust/Powder ☐ Debris ☐ Sludge ☐ Liquid ☐ Gas/Aerosol ☐ Varies

3.4) What is the pH? ☐ ≤2 ☐ 2.1-4.9 ☐ 5 – 10 ☐ 10.1 – 12.4 ☐ ≥12.5 ☒ N/A

3.5) What is the flash point? ☐ <90^0F ☐ 90-139^0F ☐ 140-199^0F ☐ >200^0F ☒ N/A

3.6) Does this waste exhibit any of the following properties? **(check all that apply)**

☒ **None**	☐ Free Liquids	☐ Metal Fines	☐ Water Reactive	☐ Biohazard
☐ Shock Sensitive	☐ Oily Residue	☐ Dioxins	☐ Furans	☐ Aluminum
☐ Asbestos – non-friable	☐ Asbestos – friable	☐ Other Radioactive	☐ Air Reactive	☐ Isocyanates
☐ Biodegradable Sorbents	☐ Pyrophoric	☐ Reactive Sulfide	☐ Reactive Cyanide	☐ Explosives
☐ Temperature Controlled Organic Peroxide		☐ NORM	☐ TENORM	

Section 4 – Composition and Generating Process

4.1) Provide a physical and chemical composition of the waste (e.g. soil, water, PPE, debris, etc.). List the percent ranges of the material, either estimated or known.

Soil 51 to 100 % PPE, trash 0 to 1 %

Paint solids 0 to 49 % to %

Concrete 0 to 1 % to %

4.2) Provide a description of the generating process. *Remediation & IDW Sites: please provide a site history.*
Soil and paint solids generated from remedial excavation. See attached analytical, samples SO-17303-041714-DB-009 thru -012 & SO-17303-123013-CT-104 & -107 represent this waste.

4.3) Are there any known previous handling or treatment issues involving this waste? ☐ Yes* ☒ No
*If yes, describe:

Section 5 – Hazardous Wastes

As determined by 40 CFR, Part 261 and State Rules: **Please list applicable waste code(s):**

5.1) Is this waste exempted from RCRA? ☐ Yes, please provide exemption: ☒ No

5.2) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? ☐ Yes: ☒ No
a) For F006–F009, F012, does this come from a generator that conducts a cyanide plating process? ☐ Yes ☐ No

5.3) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? ☒ Yes: D040, D007 ☐ No

5.4) Do any State Specific Hazardous Waste Codes apply? ☐ Yes: ☒ No

If you answered 'no' to 5.2, 5.3 and 5.4, please proceed to Section 6.

5.5) EPA Source Code: G44 EPA Form Code: W301

5.6) Waste Code Determination Is Based On: ☒ Generator Knowledge ☒ Analysis ☐ MSDS
Analysis and/or MSDS may be required for review and approval for hazardous and non-hazardous waste streams.

5.7) Does this waste exceed Land Disposal Restriction levels? ☒ Yes ☐ No

a) Is this stream a wastewater (WW) or non-wastewater (NWW)? ☐ WW ☒ NWW
b) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40CFR 268.49? ☐ Yes ☒ No
c) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) ☐ Yes ☒ No
d) If the debris is larger than 3 ft x 3 ft x 3 ft, please provide the approximate dimensions and weight:

5.8) If this is a characteristic hazardous waste, does it contain Underlying Hazardous Constituents? ☒ Yes* ☐ No

*If Yes, please list: Xylene - 760 mg/kg, Ethylbenzene - 72 mg/kg, Toluene - 31 mg/kg
For a complete list of UHC constituents, please refer to 40 CFR 268.48

Section 6 – Non-Hazardous Wastes

Please list applicable waste code(s):

6.1) Do any State Specific Non-Hazardous Waste Codes apply? ☐ Yes ☒ No

6.2) Is this a Universal (UNIV) waste or a Recyclable Good (RG)? ☐ UNIV ☐ RG ☒ N/A

6.3) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes ☒ No

a) If yes, is the total halogen content of the used oil waste stream greater than 1,000 ppm? ☐ Yes ☐ No

b) If yes, what is the source of the halogen content?

- ☐ This is a metalworking oil/fluid containing chlorinated paraffins.
- ☐ This is used oil contaminated with chlorofluorocarbons from refrigeration units.
- ☐ This oil contains halogenated solvents. List specific solvents:
- ☐ Other, describe:

Section 7 – TSCA Information

7.1) What is the concentration of PCBs in the waste? ☐ None ☒ 0-49 ppm ☐ 50-499 ppm ☐ 500+ ppm

7.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☐ Yes ☒ No ☐ Unknown

If you answered "none" or "0-49 ppm"' to 7.1 and "no" to 7.2, please proceed to Section 8.

7.3) Has this waste been processed into a non-liquid form? ☐ Yes* ☐ No

*If yes, what was the concentration of PCBs prior to processing? ☐ 0-499 ppm ☐ 500+ ppm

7.4) Is this non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☐ No

7.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☐ No

7.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☐ N/A ☐ Yes ☐ No

Section 8 – Clean Air Act Information

8.1) Is this waste subject to regulation under 40 CFR, Part 264, Subpart CC (VOC > 500 ppmw)? ☐ Yes ☒ No

8.2) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD (VOHAP > 500 ppmw)? ☐ Yes ☒ No

8.3) Is the site, or waste, subject to any other NESHAP/MACT standard(s)? ☐ Yes* ☒ No

*If Yes this document serves as notification that this waste contains chemicals , required to be managed in accordance with Part ☐ 61 ☐ 62 ☐ 63 Subpart of NESHAP/MACT standards.

8.4) Does this waste stream contain Benzene? ☐ Yes ☒ No

If you answered "no" to 8.4, please proceed to Section 9.

8.5) Does the waste stream come from a facility subject to 40 CFR 61, Subpart FF (Benzene NESHAP)?

☐ Yes, please provide the SIC/NAICS code: ☐ No

If you answered "no" to questions 8.5, please proceed to Section 9.

8.6) Does your facility manage the waste subject to Benzene NESHAP in a manner other than shipping off-site?

☐ Yes, please specify: ☐ No

8.7) Is the generating source of this waste a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☐ No

8.8) Does the waste contain >10% water? ☐ Yes ☐ No

8.9) What is the TAB quantity for your facility? Mg/Year

8.10) What is the total Benzene concentration in your waste? Percent or ppmw.

Supporting analysis must be attached. Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.

Section 9 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's personnel to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's personnel to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

If I am an agent acting on behalf of the generator, I also certify that I have permission to sign any and all waste characterization paperwork on the generator's behalf and that I can produce such certification in writing upon request.

Generator Signature [signature] Printed Name David Canfield

Company Agent Title As Agent For RACER Trust & RACER Date 5/31/11

STANDARD TERMS AND CONDITIONS

The Agreement between the Customer and EQ – The Environmental Quality Company and/or its member companies (hereinafter "EQ") related to or associated with Delivered Waste, as herein defined, shall be governed by the following Standard Terms and Conditions in addition to the terms and conditions contained in any Waste Profile Form, Customer Approval Quote Confirmation, Generator Approval Notification, Notice of Waste Approval Expiration, and/or Credit Agreement associated with such Delivered Waste.

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"Non-Conforming Wastes" shall mean wastes that (a) are not in accordance in all material respects with the warranties, descriptions, specifications or limitations stated in the Waste Profile Form and this Agreement; (b) have constituents or components of a type or concentration not specifically identified in the Waste Profile Form (i) which increase the nature or extent of the hazard and risk undertaken by EQ in treating and/or disposing of the waste, or (ii) for whose treatment and/or disposal a Waste Management Facility is not designed or permitted, or (iii) which increase the cost of treatment and/or disposal of waste beyond that specified in EQ's price quote; or (c) are not properly packaged, labeled, described, or placarded, or otherwise not in compliance with United States Department of Transportation and United States Environmental Protection Agency regulations.

Control of Operations.

EQ shall have sole control over all aspects of the operation of any treatment and/or disposal facility of EQ receiving Delivered Wastes under this Agreement (hereinafter, "Waste Management Facility"), including, without limitation, maintaining EQ's desired volume of Acceptable Wastes being delivered to any Waste Management Facility by the Customer or any other person or entity.

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Non-Conforming Wastes.

In the event that EQ at any time discovers that any Delivered Waste is Non-Conforming Waste, EQ may reject or revoke its acceptance of the Non-Conforming Waste. The Customer shall have seven (7) days to direct an alternative lawful manner of disposition of the waste, unless it is necessary by reason of law or otherwise to move the Non-Conforming Waste prior to expiration of the seven (7) day period. If the Customer does not direct an alternative disposal, at its option, EQ may return any such Non-Conforming Wastes to the Customer, and the Customer shall pay or reimburse EQ for all costs and expenses incurred by EQ in connection with the receipt, handling, sampling, analyses, transportation and return to the Customer of such Non-Conforming Wastes. If it is impossible or impractical for EQ to return the Non-Conforming Waste to the Customer, the Customer shall reimburse EQ for all costs, of any type or nature whatsoever, incurred by EQ, solely because such Delivered Waste was Non-Conforming Waste (including, but not limited to, all costs associated with any remedial steps necessary, due to the nature of the Non-Conforming Waste, in connection with material with which the Non-Conforming Waste may have been commingled and all expenses and charges for analyzing, handling, locating, preparing for transporting, storing and disposing of any Non-Conforming Waste).

Customer Warranty - Acceptable Wastes.

All Delivered Wastes shall be Acceptable Wastes and shall conform in all material respects to the description and specifications contained in the Waste Profile Form. The information set forth in the Waste Profile Form or any manifest, placard or label associated with any Delivered Wastes, or otherwise represented by the Customer or the generator (if other than the Customer) to EQ, is and shall be true, accurate and complete as of the date of receipt of the involved waste by EQ.

Customer Warranty - Title to Wastes.

Either the Customer or the generator (if other than the Customer) shall hold clear title, free of any all liens, claims, encumbrances, and charges to Delivered Waste until such waste is accepted by EQ.

Customer Warranty - Compliance with Laws.

The Customer shall comply with all applicable federal, state and local environmental statutes, regulations, and other governmental requirements, as well as directives issued by EQ from time to time, governing the transportation, treatment and/or disposal of Acceptable Wastes, including, but not limited to, all packaging, manifesting, containerization, placarding and labeling requirements.

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If the Customer receives information that Delivered Waste or other hazardous waste described in the Waste Profile Form, or some component of such waste, presents or may present a hazard or risk to persons, property or the environment which was not disclosed to EQ, or if the Customer or generator (if other than the Customer) has changed the process by which such waste results, the Customer shall promptly report such information to EQ in writing.

Customer Indemnity.

The Customer shall indemnify, defend and hold harmless EQ, and its affiliated or related companies, and all of their respective present or future officers, directors, shareholders, employees and agents from and against any and all losses, damages, liabilities, penalties, fines, forfeitures, demands, claims, causes of action, suits, costs and expenses (including, but not limited to, reasonable costs of defense, settlement, and reasonable attorneys' fees), which may be asserted against any or all of them by any person or any governmental agency, or which any or all of them may hereafter suffer, incur, be responsible for or pay out, as a result of or in connection with bodily injuries (including, but not limited to, death, sickness, disease and emotional or mental distress) to any person (including EQ's employees), damage (including, but not limited to, loss of use) to any property (public or private), or any requirements to conduct or incur expense for investigative, removal or remedial expenses in connection with contamination of or adverse effect on the environment, or any violation or alleged violation of any statues, ordinances, orders, rules or regulations of any governmental entity or agency, caused or arising out of (i) a breach of this Agreement by the Customer, (ii) the failure of any warranty of the Customer to be true, accurate and complete, or (iii) any willful or negligent act or omission of the Customer, or its employees or agents in connection with the performance of this Agreement.

Force Majeure

EQ shall not be liable for any failure to accept, receive, handle, treat, and/or dispose of Delivered Waste due to an act of God, fire, casualty, flood, war, strike, lockout, labor trouble, failure of public utilities, equipment failure, facility shutdown, injunction, accident, epidemic, riot, insurrection, destruction of operation or transportation facilities, the inability to procure materials, equipment, or sufficient personnel or energy in order to meet operational needs without the necessity of allocation, the failure or inability to obtain any governmental approvals or to meet Environmental Requirements (including, but not limited to voluntary or involuntary compliance with any act, exercise, assertion, or requirement of any governmental authority) which may temporarily or permanently prohibit operations of EQ, the Customer, or the Generator, or any other circumstances beyond the control of EQ which prevents or delays performance of any of its obligations under this Agreement.

Governing Laws

This Agreement shall in all respects be governed by and shall be construed in accordance with the laws of the State of Michigan applied to contracts executed and performed wholly within such state.

Bulk Disposal Charges

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

Profile Tracking # _____

WASTE PROFILE FORM

For assistance in completing this document or for additional information on EQ's service offerings, please visit our website at www.eqonline.com, or call 800-592-5489.

EQ – The Environmental Quality Company will choose the appropriate facility and method of waste management for your waste from the technologies offered at each EQ operation.

If you wish to direct this waste to a specific EQ facility(s) or treatment technology please indicate here:

Waste Common Name: TSCA Soil - Pile 6

Section 1 – Generator & Customer Information

Generator EPA ID # MIK468293311
Generator RACER Trust
Facility Address 2901 Tyler Rd
City Ypsilanti State MI Zip 48198
24-hour Emergency Response Number
1-800-424-9300

Mailing Address 500 Woodward Ave., Suite 1510
City Detroit State MI Zip 48226
Generator Contact Grant Trigger
Title Cleanup Manager
Phone 313-670-6226 Fax
E-mail gtrigger@racertrust.org

Internal Use Only: EQ Division
EQ Customer No.
Invoicing Company Conestoga-Rovers & Associates, Inc.
Address 2055 Niagara Falls Blvd., Suite 3
City Niagara Falls State NY Zip 14304
Country USA
Invoicing Contact Lynn Jancetic
Phone 716-297-6150 Fax 716-297-2265
Technical Contact David Canfield
Phone 734-453-5123 Fax 734-453-5201
Cell Phone 315-447-9024
E-mail dcanfield@craworld.com

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency:
a) Volume of Waste to be Shipped: 60 Tons
b) Frequency: ☒ One time ☐ Month ☐ Year ☐ Other:

2.2) DOT Information
a) Is this a U.S. Department of Transportation (USDOT) Hazardous Material? ☒ Yes ☐ No
b) If "Yes", indicate the proper shipping name per 49CFR 172.101 Hazardous Materials Table:
UN3077, Environmentally hazardous substances, solid, n.o.s. (PCBs), 9 , PG III

Section 3 – Special Properties

3.1) Color Brown

3.2) Odor ☒ None ☐ Ammonia ☐ Amines ☐ Mercaptans ☐ Sulfur ☐ Organic Acid ☐ Amines/Ammonia ☐ Other:

3.3) Consistency at 70^0F: ☒ Solid ☐ Dust/Powder ☐ Debris ☐ Sludge ☐ Liquid ☐ Gas/Aerosol ☐ Varies

3.4) What is the pH? ☐ ≤2 ☐ 2.1-4.9 ☐ 5 – 10 ☐ 10.1 – 12.4 ☐ ≥12.5 ☒ N/A

3.5) What is the flash point? ☐ <90^0F ☐ 90-139^0F ☐ 140-199^0F ☐ >200^0F ☒ N/A

3.6) Does this waste exhibit any of the following properties? **(check all that apply)**

☒ **None**	☐ Free Liquids	☐ Metal Fines	☐ Water Reactive	☐ Biohazard
☐ Shock Sensitive	☐ Oily Residue	☐ Dioxins	☐ Furans	☐ Aluminum
☐ Asbestos – non-friable	☐ Asbestos – friable	☐ Other Radioactive	☐ Air Reactive	☐ Isocyanates
☐ Biodegradable Sorbents	☐ Pyrophoric	☐ Reactive Sulfide	☐ Reactive Cyanide	☐ Explosives
☐ Temperature Controlled Organic Peroxide		☐ NORM	☐ TENORM	

Section 4 – Composition and Generating Process

4.1) Provide a physical and chemical composition of the waste (e.g. soil, water, PPE, debris, etc.). List the percent ranges of the material, either estimated or known.

Soil 99 to 100 % PPE, trash 0 to 1 %

Paint solids 0 to 1 % to %

Concrete 0 to 1 % to %

4.2) Provide a description of the generating process. *Remediation & IDW Sites: please provide a site history.*
Soil generated from remedial excavation. See attached analytical, sample SO-17303-123013-CT-108 represents this waste.

4.3) Are there any known previous handling or treatment issues involving this waste? ☐ Yes* ☒ No
*If yes, describe:

Section 5 – Hazardous Wastes

As determined by 40 CFR, Part 261 and State Rules: **Please list applicable waste code(s):**

5.1) Is this waste exempted from RCRA? ☐ Yes, please provide exemption: ☒ No

5.2) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? ☐ Yes: ☒ No
a) For F006–F009, F012, does this come from a generator that conducts a cyanide plating process? ☐ Yes ☐ No

5.3) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? ☐ Yes: ☒ No

5.4) Do any State Specific Hazardous Waste Codes apply? ☐ Yes: ☒ No

If you answered 'no' to 5.2, 5.3 and 5.4, please proceed to Section 6.

5.5) EPA Source Code: EPA Form Code:

5.6) Waste Code Determination Is Based On: ☐ Generator Knowledge ☐ Analysis ☐ MSDS
Analysis and/or MSDS may be required for review and approval for hazardous and non-hazardous waste streams.

5.7) Does this waste exceed Land Disposal Restriction levels? ☐ Yes ☐ No

a) Is this stream a wastewater (WW) or non-wastewater (NWW)? ☐ WW ☐ NWW
b) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40CFR 268.49? ☐ Yes ☐ No
c) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) ☐ Yes ☐ No
d) If the debris is larger than 3 ft x 3 ft x 3 ft, please provide the approximate dimensions and weight:

5.8) If this is a characteristic hazardous waste, does it contain Underlying Hazardous Constituents? ☐ Yes* ☐ No

*If Yes, please list:

For a complete list of UHC constituents, please refer to 40 CFR 268.48

Section 6 – Non-Hazardous Wastes

Please list applicable waste code(s):

6.1) Do any State Specific Non-Hazardous Waste Codes apply? ☐ Yes ☒ No

6.2) Is this a Universal (UNIV) waste or a Recyclable Good (RG)? ☐ UNIV ☐ RG ☒ N/A

6.3) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes ☒ No

a) If yes, is the total halogen content of the used oil waste stream greater than 1,000 ppm? ☐ Yes ☐ No

b) If yes, what is the source of the halogen content?

- ☐ This is a metalworking oil/fluid containing chlorinated paraffins.
- ☐ This is used oil contaminated with chlorofluorocarbons from refrigeration units.
- ☐ This oil contains halogenated solvents. List specific solvents:
- ☐ Other, describe:

Section 7 – TSCA Information

7.1) What is the concentration of PCBs in the waste? ☐ None ☐ 0-49 ppm ☒ 50-499 ppm ☐ 500+ ppm

7.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☒ Yes ☐ No ☐ Unknown

If you answered "none" or "0-49 ppm"' to 7.1 and "no" to 7.2, please proceed to Section 8.

7.3) Has this waste been processed into a non-liquid form? ☐ Yes* ☒ No

*If yes, what was the concentration of PCBs prior to processing? ☐ 0-499 ppm ☐ 500+ ppm

7.4) Is this non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☒ Yes ☐ No

7.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☒ No

7.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☒ N/A ☐ Yes ☐ No

Section 8 – Clean Air Act Information

8.1) Is this waste subject to regulation under 40 CFR, Part 264, Subpart CC (VOC > 500 ppmw)? ☐ Yes ☒ No

8.2) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD (VOHAP > 500 ppmw)? ☐ Yes ☒ No

8.3) Is the site, or waste, subject to any other NESHAP/MACT standard(s)? ☐ Yes* ☒ No

*If Yes this document serves as notification that this waste contains chemicals , required to be managed in accordance with Part ☐ 61 ☐ 62 ☐ 63 Subpart of NESHAP/MACT standards.

8.4) Does this waste stream contain Benzene? ☐ Yes ☒ No

If you answered "no" to 8.4, please proceed to Section 9.

8.5) Does the waste stream come from a facility subject to 40 CFR 61, Subpart FF (Benzene NESHAP)?

☐ Yes, please provide the SIC/NAICS code: ☐ No

If you answered "no" to questions 8.5, please proceed to Section 9.

8.6) Does your facility manage the waste subject to Benzene NESHAP in a manner other than shipping off-site?

☐ Yes, please specify: ☐ No

8.7) Is the generating source of this waste a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☐ No

8.8) Does the waste contain >10% water? ☐ Yes ☐ No

8.9) What is the TAB quantity for your facility? Mg/Year

8.10) What is the total Benzene concentration in your waste? Percent or ppmw.

Supporting analysis must be attached. Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.

Section 9 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's personnel to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's personnel to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

If I am an agent acting on behalf of the generator, I also certify that I have permission to sign any and all waste characterization paperwork on the generator's behalf and that I can produce such certification in writing upon request.

Generator Signature _____ Printed Name David Canfield

Company Agent Title As Agent for RACER Trust & RACER Date 5/31/14

STANDARD TERMS AND CONDITIONS

The Agreement between the Customer and EQ – The Environmental Quality Company and/or its member companies (hereinafter "EQ") related to or associated with Delivered Waste, as herein defined, shall be governed by the following Standard Terms and Conditions in addition to the terms and conditions contained in any Waste Profile Form, Customer Approval Quote Confirmation, Generator Approval Notification, Notice of Waste Approval Expiration, and/or Credit Agreement associated with such Delivered Waste.

The Customer may use its standard forms (such as purchase orders, acknowledgments of orders, and invoices) to administer its dealings under this Agreement for convenience purposes, but all provisions thereof in conflict with these terms and conditions shall be deemed stricken.

Definitions

The following definitions shall apply for purposes of this Agreement:

"**Acceptable Waste"** shall mean any hazardous waste, as defined under applicable State or federal law, determined by EQ as acceptable for treatment and/or disposal in accordance with this Agreement.

"**Delivered Wastes"** shall mean all wastes (i) which are transported, delivered, or tendered to EQ by the Customer; (ii) which the Customer has arranged for the transport, delivery or tender to EQ; or (iii)) which are transported, delivered, or tendered to EQ under a Credit Agreement between the Customer and EQ.

"Non-Conforming Wastes" shall mean wastes that (a) are not in accordance in all material respects with the warranties, descriptions, specifications or limitations stated in the Waste Profile Form and this Agreement; (b) have constituents or components of a type or concentration not specifically identified in the Waste Profile Form (i) which increase the nature or extent of the hazard and risk undertaken by EQ in treating and/or disposing of the waste, or (ii) for whose treatment and/or disposal a Waste Management Facility is not designed or permitted, or (iii) which increase the cost of treatment and/or disposal of waste beyond that specified in EQ's price quote; or (c) are not properly packaged, labeled, described, or placarded, or otherwise not in compliance with United States Department of Transportation and United States Environmental Protection Agency regulations.

Control of Operations.

EQ shall have sole control over all aspects of the operation of any treatment and/or disposal facility of EQ receiving Delivered Wastes under this Agreement (hereinafter, "Waste Management Facility"), including, without limitation, maintaining EQ's desired volume of Acceptable Wastes being delivered to any Waste Management Facility by the Customer or any other person or entity.

Identification of Waste.

For each waste material to be transported, delivered, or tendered to EQ under this Agreement, the Customer shall provide, or cause to be provided, to EQ a representative sample of the waste material and a completed Waste Profile Form containing a physical and chemical description or analysis of such waste material, which description shall conform with any and all guidelines for waste acceptance provided by EQ. On the basis of EQ's analysis of such representative sample of the waste material and such Waste Profile Form, EQ will determine whether such wastes are Acceptable Wastes. EQ does not make any guarantee that it will handle any waste material or any particular quantity or type of waste material, and EQ reserves the right to the decline to transport, treat and/or dispose of waste material. The Customer shall promptly furnish to EQ any information regarding known, suspected or planned changes in the composition of the waste material. Further, the Customer shall promptly inform EQ of any change in the characteristic or condition of the waste material which becomes known to the Customer subsequent to the date of the Waste Profile Form.

Non-Conforming Wastes.

In the event that EQ at any time discovers that any Delivered Waste is Non-Conforming Waste, EQ may reject or revoke its acceptance of the Non-Conforming Waste. The Customer shall have seven (7) days to direct an alternative lawful manner of disposition of the waste, unless it is necessary by reason of law or otherwise to move the Non-Conforming Waste prior to expiration of the seven (7) day period. If the Customer does not direct an alternative disposal, at its option, EQ may return any such Non-Conforming Wastes to the Customer, and the Customer shall pay or reimburse EQ for all costs and expenses incurred by EQ in connection with the receipt, handling, sampling, analyses, transportation and return to the Customer of such Non-Conforming Wastes. If it is impossible or impractical for EQ to return the Non-Conforming Waste to the Customer, the Customer shall reimburse EQ for all costs, of any type or nature whatsoever, incurred by EQ, solely because such Delivered Waste was Non-Conforming Waste (including, but not limited to, all costs associated with any remedial steps necessary, due to the nature of the Non-Conforming Waste, in connection with material with which the Non-Conforming Waste may have been commingled and all expenses and charges for analyzing, handling, locating, preparing for transporting, storing and disposing of any Non-Conforming Waste).

Customer Warranty - Acceptable Wastes.

All Delivered Wastes shall be Acceptable Wastes and shall conform in all material respects to the description and specifications contained in the Waste Profile Form. The information set forth in the Waste Profile Form or any manifest, placard or label associated with any Delivered Wastes, or otherwise represented by the Customer or the generator (if other than the Customer) to EQ, is and shall be true, accurate and complete as of the date of receipt of the involved waste by EQ.

Customer Warranty - Title to Wastes.

Either the Customer or the generator (if other than the Customer) shall hold clear title, free of any all liens, claims, encumbrances, and charges to Delivered Waste until such waste is accepted by EQ.

Customer Warranty - Compliance with Laws.

The Customer shall comply with all applicable federal, state and local environmental statutes, regulations, and other governmental requirements, as well as directives issued by EQ from time to time, governing the transportation, treatment and/or disposal of Acceptable Wastes, including, but not limited to, all packaging, manifesting, containerization, placarding and labeling requirements.

Customer Warranty - Updating Information.

If the Customer receives information that Delivered Waste or other hazardous waste described in the Waste Profile Form, or some component of such waste, presents or may present a hazard or risk to persons, property or the environment which was not disclosed to EQ, or if the Customer or generator (if other than the Customer) has changed the process by which such waste results, the Customer shall promptly report such information to EQ in writing.

Customer Indemnity.

The Customer shall indemnify, defend and hold harmless EQ, and its affiliated or related companies, and all of their respective present or future officers, directors, shareholders, employees and agents from and against any and all losses, damages, liabilities, penalties, fines, forfeitures, demands, claims, causes of action, suits, costs and expenses (including, but not limited to, reasonable costs of defense, settlement, and reasonable attorneys' fees), which may be asserted against any or all of them by any person or any governmental agency, or which any or all of them may hereafter suffer, incur, be responsible for or pay out, as a result of or in connection with bodily injuries (including, but not limited to, death, sickness, disease and emotional or mental distress) to any person (including EQ's employees), damage (including, but not limited to, loss of use) to any property (public or private), or any requirements to conduct or incur expense for investigative, removal or remedial expenses in connection with contamination of or adverse effect on the environment, or any violation or alleged violation of any statues, ordinances, orders, rules or regulations of any governmental entity or agency, caused or arising out of (i) a breach of this Agreement by the Customer, (ii) the failure of any warranty of the Customer to be true, accurate and complete, or (iii) any willful or negligent act or omission of the Customer, or its employees or agents in connection with the performance of this Agreement.

Force Majeure

EQ shall not be liable for any failure to accept, receive, handle, treat, and/or dispose of Delivered Waste due to an act of God, fire, casualty, flood, war, strike, lockout, labor trouble, failure of public utilities, equipment failure, facility shutdown, injunction, accident, epidemic, riot, insurrection, destruction of operation or transportation facilities, the inability to procure materials, equipment, or sufficient personnel or energy in order to meet operational needs without the necessity of allocation, the failure or inability to obtain any governmental approvals or to meet Environmental Requirements (including, but not limited to voluntary or involuntary compliance with any act, exercise, assertion, or requirement of any governmental authority) which may temporarily or permanently prohibit operations of EQ, the Customer, or the Generator, or any other circumstances beyond the control of EQ which prevents or delays performance of any of its obligations under this Agreement.

Governing Laws

This Agreement shall in all respects be governed by and shall be construed in accordance with the laws of the State of Michigan applied to contracts executed and performed wholly within such state.

Bulk Disposal Charges

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

Advanced Disposal

ADS ARBOR HILLS LANDFILL, INC.

WCD No. 009569

WASTE CODE

WASTE APPROVAL REQUEST/SIGN-OFF

ADS to complete this section.

ADS Initial Contact: RANDY PISTOR

Location: _____

Tel: ( ) _____

Fax: ( ) _____

Date: _____

Action Requested: ☐ New Waste Approval

☐ Up-Date Approval - Previous Number: _____

Disposal Site(s) Requested: _____

1. GENERAL INFORMATION

a. Generator's Name: RACER TRUST

b. Generating Facility's Address: 2901 Tyler Rd Ypsilanti, MI

c. Generator's Representative: GRANT TRIBBER

Title: Cleanup Manager

Tel: (313) 670-6226

Fax: ( ) _____

Billing Information

g. Customer's Name: EQ-The Environmental Quality Co.

h. Customer's Mailing Address: 36255 Michigan Ave.

City: Wayne State: MI Zip: 48184

i. Billing Contact: RON EVENSON

Tel: (630 688-0123

Fax: ( ) _____

2. GENERAL WASTE STREAM INFORMATION

a. Name/Description of the Waste: Low Level soil

b. Detailed Description of Process Generating the Waste (Include Process Schematic as Necessary): AOC-23 resulted from ground disposal before 1964 from unknown source

c. Is this waste subject to UST Corrective Action Regulations under 40 CFR 280? ☐ Yes ☒ No

d. Waste Properties at 72°F:

Physical State: ☒ Solid ☐ Semi-Solid ☐ Powder ☐ Free-Liquid ☐ Combination (Describe): _____

Reactivity: ☐ Water Reactive ☐ Acid Reactive ☐ Alkaline Reactive ☐ Oxidizer ☐ Autopolymerizable ☐ Pyrophoric ☐ Explosive ☐ Thermally Sensitive ☐ Shock Sensitive ☒ None of the Above

Flash Point, °F: ☐ ≤72 ☐ 73-100 ☐ 101-139 (D001) ☐ 140-200 ☐ ≥201 ☒ N/A-Solid (i.e., passes paint filter test)

pH: ☐ ≤2 (D002) ☐ 2.1-5.0 ☐ 5.1-9.0 ☐ 9.1-12.4 (D002) ☐ ≥12.5 ☒ N/A-Solid (i.e., passes paint filter test)

Odor: ☒ None ☐ Mild ☐ Strong (Describe): _____

Color(s) (Describe): Brown

Estimated volume: 300 ☐ Cubic yards ☒ Tons ☐ Gallons ☐ Cubic meters ☐ Tonnes (metric) ☐ Other _____

Per: ☐ Year ☐ Month ☐ Week ☐ Day ☒ One Time ☐ Other _____

REV. 08/13

2. GENERAL WASTE STREAM INFORMATION (Cont.)

e. Waste stream characterization is based on the following:
- [x] Laboratory analysis (Copy attached if required): [x] Yes ☐ No TCLP ATTACHED
- ☐ Generator process knowledge
  - ☐ MSDS (Copy attached): ☐ Yes ☐ No
  - ☐ Other documentation, (Describe and attach as necessary): _____

f. Is this waste a characteristically hazardous waste per 40 CFR 261.21-24? ☐ Yes [x] No ☐ Excluded - Citation _____

g. Is this waste an F, K, P, U listed hazardous waste as per 40 CFR 261.32-33? ☐ Yes [x] No ☐ Excluded - Citation _____

h. i. Is this waste a treatment residue of a waste which was previously a characteristically hazardous waste or a treated hazardous debris residue? ☐ Yes [answer h.ii.] [x] No [skip h.ii.] ☐ If yes, describe the waste, applicable code(s) and the process generating the waste prior to treatment:

ii. If yes, does the waste meet all applicable land disposal restriction treatment standards found under 40 CFR 268, and applicable state, local and provincial regulations? ☐ Yes ☐ No

i. Is this a "Hazardous Waste" as defined by state, provincial, or local regulations? ☐ Yes [x] No
If yes, enter the waste identification number if one has been assigned : _____

3. WASTE COMPOSITION

Please provide a breakdown of the waste stream based upon generator knowledge of the waste and the process(es) generating the waste stream.

Components	Range (%) / ppm
SOIL	95-99.9%
CONCRETE AND DEMO DEBRIS	0-5%
PPE	0-0.1%

Does this waste contain any of the following:
- ☐ Organic Solvents
- ☐ OSHA Substances
- ☐ Radioactive Materials
- ☐ Virgin Oils
- ☐ Used Oils
- ☐ Etiological/Infectious Agents
- ☐ PCBs (if checked, complete and attach PCB questionnaire)
- ☐ Free Sulfides
- ☐ Free Cyanides
- ☐ Free Ammonia
- [x] None of the Above

If any of the above are marked, they must also be included in waste breakdown at left.

4. GENERATOR'S WARRANTY AND INDEMNITY

Generator warrants and agrees that: (1) all of the information above and provided pursuant hereto is true, correct and complete, and all known or suspected hazards have been disclosed, (2) all analytical results submitted are accurate and representative of the waste (pursuant to SW846), (3) the waste is not a hazardous waste as defined, characterized or regulated by the USEPA or applicable state, provincial or other authority, and does not contain PCBs regulated by TSCA (40 CFR 761) that are prohibited for disposal in a landfill regulated by 40 CFR 257 or 258, or any provincial or other authority, (4) Generator shall immediately give written notice to ADS Arbor Hills Landfill of a new or newly discovered material property, characteristic or condition pertaining to the waste not provided herein. Generator shall indemnify ADS Arbor Hills Landfill and its affiliates against all claims, actions, penalties, liabilities and expenses (including legal expenses) resulting from breach of or misrepresentation under the foregoing warranty and agreement. All warranties and indemnifications herein shall survive any termination of services by ADS Arbor Hills Landfill or related agreements.

GENERATOR'S AUTHORIZED SIGNATORY:

The undersigned individual warrants that he/she is authorized to sign this document on behalf of the Generator

DATE: 10/15/14

PRINT NAME: David Canfield SIGNATURE: _____ TITLE: As Agent for RACER Trust & RACER Properties

TELEPHONE: (734) 453-5123 FAX: (734) 453-5201

REV 08/13

Profile Tracking # _____

WASTE PROFILE FORM

For assistance in completing this document or for additional information on EQ's service offerings, please visit our website at www.eqonline.com, or call 800-592-5489.

EQ – The Environmental Quality Company will choose the appropriate facility and method of waste management for your waste from the technologies offered at each EQ operation.

If you wish to direct this waste to a specific EQ facility(s) or treatment technology please indicate here:

Waste Common Name: Hazardous Liquid (D040, D038)

Section 1 – Generator & Customer Information

Generator EPA ID # MIK468293311
Generator RACER Trust
Facility Address 2901 Tyler Rd
City Ypsilanti State MI Zip 48198
24-hour Emergency Response Number
1-800-424-9300

Mailing Address 500 Woodward Ave., Suite 1510
City Detroit State MI Zip 48226
Generator Contact Grant Trigger
Title Cleanup Manager
Phone 313-670-6226 Fax
E-mail gtrigger@racertrust.org

Internal Use Only: EQ Division
EQ Customer No.
Invoicing Company Conestoga-Rovers & Associates, Inc.
Address 2055 Niagara Falls Blvd., Suite 3
City Niagara Falls State NY Zip 14304
Country USA
Invoicing Contact Lynn Jancetic
Phone 716-297-6150 Fax 716-297-2265
Technical Contact David Canfield
Phone 734-453-5123 Fax 734-453-5201
Cell Phone 315-447-9024
E-mail dcanfield@craworld.com

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency:
a) Volume of Waste to be Shipped: 1 DM
b) Frequency: ☐ One time ☐ Month ☒ Year ☐ Other:

2.2) DOT Information
a) Is this a U.S. Department of Transportation (USDOT) Hazardous Material? ☒ Yes ☐ No
b) If "Yes", indicate the proper shipping name per 49CFR 172.101 Hazardous Materials Table:
RQ, NA3082, Hazardous waste, liquid, n.o.s. (D040, D038), 9, PG III

Section 3 – Special Properties

3.1) Color Clear to Brown

3.2) Odor ☐ None ☐ Ammonia ☐ Amines ☐ Mercaptans ☐ Sulfur ☐ Organic Acid ☐ Amines/Ammonia ☒ Other: Mild organic

3.3) Consistency at 70^0F: ☐ Solid ☐ Dust/Powder ☐ Debris ☐ Sludge ☒ Liquid ☐ Gas/Aerosol ☐ Varies

3.4) What is the pH? ☐ ≤2 ☐ 2.1-4.9 ☒ 5 – 10 ☐ 10.1 – 12.4 ☐ ≥12.5 ☐ N/A

3.5) What is the flash point? ☐ <90^0F ☐ 90-139^0F ☐ 140-199^0F ☒ >200^0F ☐ N/A

3.6) Does this waste exhibit any of the following properties? **(check all that apply)**

☐ **None**	☒ Free Liquids	☐ Metal Fines	☐ Water Reactive	☐ Biohazard
☐ Shock Sensitive	☐ Oily Residue	☐ Dioxins	☐ Furans	☐ Aluminum
☐ Asbestos – non-friable	☐ Asbestos – friable	☐ Other Radioactive	☐ Air Reactive	☐ Isocyanates
☐ Biodegradable Sorbents	☐ Pyrophoric	☐ Reactive Sulfide	☐ Reactive Cyanide	☐ Explosives
☐ Temperature Controlled Organic Peroxide		☐ NORM	☐ TENORM	

Section 4 – Composition and Generating Process

4.1) Provide a physical and chemical composition of the waste (e.g. soil, water, PPE, debris, etc.). List the percent ranges of the material, either estimated or known.

Liquid 99 to 100 % to %

Settled and suspended solids 0 to 1 % to %

to % to %

4.2) Provide a description of the generating process. *Remediation & IDW Sites: please provide a site history.*
Liquid in 55-gallon drum discovered during soil excavation, no process generating information available. See attached analytical, sample WW-17303-123013-CT-004 represents this waste.

4.3) Are there any known previous handling or treatment issues involving this waste? ☐ Yes* ☒ No
*If yes, describe:

Section 5 – Hazardous Wastes

As determined by 40 CFR, Part 261 and State Rules: **Please list applicable waste code(s):**

5.1) Is this waste exempted from RCRA? ☐ Yes, please provide exemption: ☒ No

5.2) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? ☐ Yes: ☒ No
a) For F006–F009, F012, does this come from a generator that conducts a cyanide plating process? ☐Yes ☐No

5.3) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? ☒ Yes: D040, D038 ☐ No

5.4) Do any State Specific Hazardous Waste Codes apply? ☐ Yes: ☒ No

If you answered 'no' to 5.2, 5.3 and 5.4, please proceed to Section 6.

5.5) EPA Source Code: EPA Form Code:

5.6) Waste Code Determination Is Based On: ☒ Generator Knowledge ☒ Analysis ☐ MSDS
Analysis and/or MSDS may be required for review and approval for hazardous and non-hazardous waste streams.

5.7) Does this waste exceed Land Disposal Restriction levels? ☒ Yes ☐ No

a) Is this stream a wastewater (WW) or non-wastewater (NWW)? ☒ WW ☐ NWW
b) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40CFR 268.49? ☐ Yes ☒ No
c) Does this waste contain greater than 50% debris, by volume? ☐ Yes ☒ No
(Debris is greater than 2.5 inches in size.)
d) If the debris is larger than 3 ft x 3 ft x 3 ft, please provide the approximate dimensions and weight:

5.8) If this is a characteristic hazardous waste, does it contain Underlying Hazardous Constituents? ☒ Yes* ☐ No

*If Yes, please list: PCBs - 11 mg/kg
For a complete list of UHC constituents, please refer to 40 CFR 268.48

Section 6 – Non-Hazardous Wastes

Please list applicable waste code(s):

6.1) Do any State Specific Non-Hazardous Waste Codes apply? ☐ Yes ☒ No

6.2) Is this a Universal (UNIV) waste or a Recyclable Good (RG)? ☐ UNIV ☐ RG ☒ N/A

6.3) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes ☒ No

a) If yes, is the total halogen content of the used oil waste stream greater than 1,000 ppm? ☐ Yes ☐ No

b) If yes, what is the source of the halogen content?

- ☐ This is a metalworking oil/fluid containing chlorinated paraffins.
- ☐ This is used oil contaminated with chlorofluorocarbons from refrigeration units.
- ☐ This oil contains halogenated solvents. List specific solvents:
- ☐ Other, describe:

Section 7 – TSCA Information

7.1) What is the concentration of PCBs in the waste? ☐ None ☒ 0-49 ppm ☐ 50-499 ppm ☐ 500+ ppm

7.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☐ Yes ☒ No ☐ Unknown

If you answered "none" or "0-49 ppm"' to 7.1 and "no" to 7.2, please proceed to Section 8.

7.3) Has this waste been processed into a non-liquid form? ☐ Yes* ☐ No

*If yes, what was the concentration of PCBs prior to processing? ☐ 0-499 ppm ☐ 500+ ppm

7.4) Is this non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☐ No

7.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☐ No

7.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☐ N/A ☐ Yes ☐ No

Section 8 – Clean Air Act Information

8.1) Is this waste subject to regulation under 40 CFR, Part 264, Subpart CC (VOC > 500 ppmw)? ☐ Yes ☒ No

8.2) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD (VOHAP > 500 ppmw)? ☐ Yes ☒ No

8.3) Is the site, or waste, subject to any other NESHAP/MACT standard(s)? ☐ Yes* ☒ No

*If Yes this document serves as notification that this waste contains chemicals , required to be managed in accordance with Part ☐ 61 ☐ 62 ☐ 63 Subpart of NESHAP/MACT standards.

8.4) Does this waste stream contain Benzene? ☐ Yes ☒ No

If you answered "no" to 8.4, please proceed to Section 9.

8.5) Does the waste stream come from a facility subject to 40 CFR 61, Subpart FF (Benzene NESHAP)?

☐ Yes, please provide the SIC/NAICS code: ☐ No

If you answered "no" to questions 8.5, please proceed to Section 9.

8.6) Does your facility manage the waste subject to Benzene NESHAP in a manner other than shipping off-site?

☐ Yes, please specify: ☐ No

8.7) Is the generating source of this waste a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☐ No

8.8) Does the waste contain >10% water? ☐ Yes ☐ No

8.9) What is the TAB quantity for your facility? Mg/Year

8.10) What is the total Benzene concentration in your waste? Percent or ppmw.

Supporting analysis must be attached. Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.

Section 9 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's personnel to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's personnel to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

If I am an agent acting on behalf of the generator, I also certify that I have permission to sign any and all waste characterization paperwork on the generator's behalf and that I can produce such certification in writing upon request.

Generator Signature _____ Printed Name David Canfield

Company Agent Title As Agent for RACER Trust & RACER Date 11/22/11

STANDARD TERMS AND CONDITIONS

The Agreement between the Customer and EQ – The Environmental Quality Company and/or its member companies (hereinafter "EQ") related to or associated with Delivered Waste, as herein defined, shall be governed by the following Standard Terms and Conditions in addition to the terms and conditions contained in any Waste Profile Form, Customer Approval Quote Confirmation, Generator Approval Notification, Notice of Waste Approval Expiration, and/or Credit Agreement associated with such Delivered Waste.

The Customer may use its standard forms (such as purchase orders, acknowledgments of orders, and invoices) to administer its dealings under this Agreement for convenience purposes, but all provisions thereof in conflict with these terms and conditions shall be deemed stricken.

Definitions

The following definitions shall apply for purposes of this Agreement:

"**Acceptable Waste"** shall mean any hazardous waste, as defined under applicable State or federal law, determined by EQ as acceptable for treatment and/or disposal in accordance with this Agreement.

"**Delivered Wastes"** shall mean all wastes (i) which are transported, delivered, or tendered to EQ by the Customer; (ii) which the Customer has arranged for the transport, delivery or tender to EQ; or (iii)) which are transported, delivered, or tendered to EQ under a Credit Agreement between the Customer and EQ.

"Non-Conforming Wastes" shall mean wastes that (a) are not in accordance in all material respects with the warranties, descriptions, specifications or limitations stated in the Waste Profile Form and this Agreement; (b) have constituents or components of a type or concentration not specifically identified in the Waste Profile Form (i) which increase the nature or extent of the hazard and risk undertaken by EQ in treating and/or disposing of the waste, or (ii) for whose treatment and/or disposal a Waste Management Facility is not designed or permitted, or (iii) which increase the cost of treatment and/or disposal of waste beyond that specified in EQ's price quote; or (c) are not properly packaged, labeled, described, or placarded, or otherwise not in compliance with United States Department of Transportation and United States Environmental Protection Agency regulations.

Control of Operations.

EQ shall have sole control over all aspects of the operation of any treatment and/or disposal facility of EQ receiving Delivered Wastes under this Agreement (hereinafter, "Waste Management Facility"), including, without limitation, maintaining EQ's desired volume of Acceptable Wastes being delivered to any Waste Management Facility by the Customer or any other person or entity.

Identification of Waste.

For each waste material to be transported, delivered, or tendered to EQ under this Agreement, the Customer shall provide, or cause to be provided, to EQ a representative sample of the waste material and a completed Waste Profile Form containing a physical and chemical description or analysis of such waste material, which description shall conform with any and all guidelines for waste acceptance provided by EQ. On the basis of EQ's analysis of such representative sample of the waste material and such Waste Profile Form, EQ will determine whether such wastes are Acceptable Wastes. EQ does not make any guarantee that it will handle any waste material or any particular quantity or type of waste material, and EQ reserves the right to the decline to transport, treat and/or dispose of waste material. The Customer shall promptly furnish to EQ any information regarding known, suspected or planned changes in the composition of the waste material. Further, the Customer shall promptly inform EQ of any change in the characteristic or condition of the waste material which becomes known to the Customer subsequent to the date of the Waste Profile Form.

Non-Conforming Wastes.

In the event that EQ at any time discovers that any Delivered Waste is Non-Conforming Waste, EQ may reject or revoke its acceptance of the Non-Conforming Waste. The Customer shall have seven (7) days to direct an alternative lawful manner of disposition of the waste, unless it is necessary by reason of law or otherwise to move the Non-Conforming Waste prior to expiration of the seven (7) day period. If the Customer does not direct an alternative disposal, at its option, EQ may return any such Non-Conforming Wastes to the Customer, and the Customer shall pay or reimburse EQ for all costs and expenses incurred by EQ in connection with the receipt, handling, sampling, analyses, transportation and return to the Customer of such Non-Conforming Wastes. If it is impossible or impractical for EQ to return the Non-Conforming Waste to the Customer, the Customer shall reimburse EQ for all costs, of any type or nature whatsoever, incurred by EQ, solely because such Delivered Waste was Non-Conforming Waste (including, but not limited to, all costs associated with any remedial steps necessary, due to the nature of the Non-Conforming Waste, in connection with material with which the Non-Conforming Waste may have been commingled and all expenses and charges for analyzing, handling, locating, preparing for transporting, storing and disposing of any Non-Conforming Waste).

Customer Warranty - Acceptable Wastes.

All Delivered Wastes shall be Acceptable Wastes and shall conform in all material respects to the description and specifications contained in the Waste Profile Form. The information set forth in the Waste Profile Form or any manifest, placard or label associated with any Delivered Wastes, or otherwise represented by the Customer or the generator (if other than the Customer) to EQ, is and shall be true, accurate and complete as of the date of receipt of the involved waste by EQ.

Customer Warranty - Title to Wastes.

Either the Customer or the generator (if other than the Customer) shall hold clear title, free of any all liens, claims, encumbrances, and charges to Delivered Waste until such waste is accepted by EQ.

Customer Warranty - Compliance with Laws.

The Customer shall comply with all applicable federal, state and local environmental statutes, regulations, and other governmental requirements, as well as directives issued by EQ from time to time, governing the transportation, treatment and/or disposal of Acceptable Wastes, including, but not limited to, all packaging, manifesting, containerization, placarding and labeling requirements.

Customer Warranty - Updating Information.

If the Customer receives information that Delivered Waste or other hazardous waste described in the Waste Profile Form, or some component of such waste, presents or may present a hazard or risk to persons, property or the environment which was not disclosed to EQ, or if the Customer or generator (if other than the Customer) has changed the process by which such waste results, the Customer shall promptly report such information to EQ in writing.

Customer Indemnity.

The Customer shall indemnify, defend and hold harmless EQ, and its affiliated or related companies, and all of their respective present or future officers, directors, shareholders, employees and agents from and against any and all losses, damages, liabilities, penalties, fines, forfeitures, demands, claims, causes of action, suits, costs and expenses (including, but not limited to, reasonable costs of defense, settlement, and reasonable attorneys' fees), which may be asserted against any or all of them by any person or any governmental agency, or which any or all of them may hereafter suffer, incur, be responsible for or pay out, as a result of or in connection with bodily injuries (including, but not limited to, death, sickness, disease and emotional or mental distress) to any person (including EQ's employees), damage (including, but not limited to, loss of use) to any property (public or private), or any requirements to conduct or incur expense for investigative, removal or remedial expenses in connection with contamination of or adverse effect on the environment, or any violation or alleged violation of any statues, ordinances, orders, rules or regulations of any governmental entity or agency, caused or arising out of (i) a breach of this Agreement by the Customer, (ii) the failure of any warranty of the Customer to be true, accurate and complete, or (iii) any willful or negligent act or omission of the Customer, or its employees or agents in connection with the performance of this Agreement.

Force Majeure

EQ shall not be liable for any failure to accept, receive, handle, treat, and/or dispose of Delivered Waste due to an act of God, fire, casualty, flood, war, strike, lockout, labor trouble, failure of public utilities, equipment failure, facility shutdown, injunction, accident, epidemic, riot, insurrection, destruction of operation or transportation facilities, the inability to procure materials, equipment, or sufficient personnel or energy in order to meet operational needs without the necessity of allocation, the failure or inability to obtain any governmental approvals or to meet Environmental Requirements (including, but not limited to voluntary or involuntary compliance with any act, exercise, assertion, or requirement of any governmental authority) which may temporarily or permanently prohibit operations of EQ, the Customer, or the Generator, or any other circumstances beyond the control of EQ which prevents or delays performance of any of its obligations under this Agreement.

Governing Laws

This Agreement shall in all respects be governed by and shall be construed in accordance with the laws of the State of Michigan applied to contracts executed and performed wholly within such state.

Bulk Disposal Charges

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

Appendix E

Waste Disposal Documentation

LAND DISPOSAL RESTRICTION AND CERTIFICATION FORM

Generator: RACER TRUST (CVO)
2901 TYLER ROAD , YPSILANTI, MI 48198

U.S. EPA ID No.: MIK468293311

Manifest:

Page - Line		
1 - 01	**Approval:** E143233WD1	NWW
	Waste Code(s): D040	
	Hazardous Constituents: NONE	
	Subcategory(s):	
	Certification: GENERATORS OF CONTAMINATED SOIL. THIS CONTAMINATED SOIL DOES NOT CONTAIN LISTED HAZARDOUS WASTE AND DOES EXHIBIT A CHARACTERISTIC OF HAZARDOUS WASTE AND COMPLIES WITH THE SOIL TREATMENT STANDARDS AS PROVIDED BY 268.49(c) OR THE UNIVERSAL TREATMENT STANDARDS.	

I hereby certify that all information submitted on this and all associated documents, is complete and accurate to the best of my knowledge and information.

Generator Signature: _____ **Title:** As Agent for RACER Trust & RACER Properties

Printed Name: David Canfield **Date:** 10/17/14

For questions regarding this form, please call EQ's Customer Service Department at (800) 592-5489.

Form Approved. OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MIK 468 293 311
2. Page 1 of: 1
3. Emergency Response Phone: (800) 424-9300
4. Manifest Tracking Number: 013140147 JJK

5. Generator's Name and Mailing Address: RACER TRUST
500 WOODWARD AVENUE
SUITE 1510
DETROIT, MI 48226
Generator's Phone: (734) 545-6423 x15 - 426-2769

Generator's Site Address (if different than mailing address)
RACER TRUST (CVO)
2901 TYLER ROAD
YPSILANTI, MI 48198

6. Transporter 1 Company Name: S & C Transport
U.S. EPA ID Number: MIK 126 399 684

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC. SITE #2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (D040), 9, PGIII, ERG #171	001	DT	50 EST	T	D040
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. E143233WDI / Hazardous (D040) Soil Pile 1

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Brian Lonsdale — Signature — Month: 10 Day: 20 Year: 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Date leaving U.S.:
Transporter signature (for exports only):

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name — Signature — Month: 10 Day: 20 Year: 14
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
U.S. EPA ID Number
18b. Alternate Facility (or Generator)
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name — Signature — Month Day Year

GENERATOR'S INITIAL COPY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

013140147JJK

84240/46400

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	MIK 468 293 311	1	(800) 424-9300	013140147 JJK

GENERATOR

5. Generator's Name and Mailing Address: RACER TRUST
500 WOODWARD AVENUE
SUITE 1510
DETROIT, MI 48226
Generator's Phone: (313) 556-5423 ~~313-486-2900~~

Generator's Site Address (if different than mailing address):
RACER TRUST (CVO)
2901 TYLER ROAD
YPSILANTI, MI 48198

6. Transporter 1 Company Name: S & C Transport — U.S. EPA ID Number: MIK 126 399 684

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC. SITE #2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (D040), 9, PGIII, ERG #171	001	DT	50 EST	T	D040
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. E143233WDI / Hazardous (D040) Soil Pile 1

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Beth Landale — Signature: As Agent for RACER Trust and RACER Properties — As Agent for RACER Trust and RACER Properties — Month: 10 — Day: 20 — Year: 14

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. — Port of entry/exit: — Date leaving U.S.:
Transporter signature (for exports only):

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Mike Swain — Signature — Month: 10 — Day: 20 — Year: 14
Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
18b. Alternate Facility (or Generator) — Manifest Reference Number: — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 — 2. — 3. — 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Hart Schwartz — Signature — Month: 10 — Day: 20 — Year: 14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 013194197 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.

FACILITY NAME: *(Please check one)*	☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)	☑ Wayne Disposal, Inc. (EPA I.D. # MID048090633)
ADDRESS:	49350 N. I-94 Service Drive Belleville, Michigan 48111	
PHONE NUMBER:	1-800-592-5489	
FAX NUMBER:	1-800-593-5329	

Authorized Signature: _____

Wayne Disposal, Inc.

49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

EQIS MRD
TRANSPORTATION & SITE SERVICES
2701 NORTH I-94 SERVICE DRIVE
YPSILANTI, MI 48198

Receipt ID: 1244366
EQ Account #: 99999
Manifest / BOL: 013140147JJK
Transporter: SC
Date: 10/20/2014
Time In: 10:30 AM
Time Out: 11:35 AM

Line	Description Generator	Qty. Unit
1 - 1	E143233WDI - Hazardous (D040) Soil Pile 1	38.380 TONS
	Hazardous Surcharge Ton	38.380 TONS
	MIK468293311 RACER TRUST (CVO)	
	Gross: 130,640 **Tare:** 53,880 **Net:** 76,760	
2	Wayne Disposal Host Community Agreement Royalty Fee	38.380 TONS
	MIK468293311 RACER TRUST (CVO)	
	Gross: 130,640 **Tare:** 53,880 **Net:** 76,760	

NO SALVAGING ON PREMISES

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MIK 468 293 311
2. Page 1 of: 1
3. Emergency Response Phone: (800) 424-9300
4. Manifest Tracking Number: 013140148 JJK

5. Generator's Name and Mailing Address: RACER TRUST
500 WOODWARD AVENUE
SUITE 1510
DETROIT, MI 48226
Generator's Phone: ~~(313) 545-5423~~ 313-986-2703

Generator's Site Address (if different than mailing address)
RACER TRUST (CVO)
2901 TYLER ROAD
YPSILANTI, MI 48198

6. Transporter 1 Company Name: S & C Transport
U.S. EPA ID Number: MIK 126 399 684

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC. SITE #2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (D040), 9, PGIII, ERG #171	001	DT	5 EST	T	D040
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. E143233WDI / Hazardous (D040) Soil Pile 1

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Beth Lanctot — As Agent for RACER Trust and RACER Properties
Signature: [signature] — As Agent for RACER Trust and RACER Properties
Month: 10 Day: 30 Year: 19

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Property
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: [illegible] Smith
Signature: [signature]
Month: 10 Day: 30 Year: 19
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
U.S. EPA ID Number:
18b. Alternate Facility (or Generator)
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month: Day: Year:

GENERATOR'S INITIAL COPY

013140148JJK

S&C 132 880830/30845

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MIK 468 293 311
2. Page 1 of: 1
3. Emergency Response Phone: (800) 424-9300
4. Manifest Tracking Number: 013140148 JJK

5. Generator's Name and Mailing Address: RACER TRUST
500 WOODWARD AVENUE
SUITE 1510
DETROIT, MI 48226
Generator's Phone: 313-486-2908 ~~(734) 845-5422~~

Generator's Site Address (if different than mailing address):
RACER TRUST (CVO)
2901 TYLER ROAD
YPSILANTI, MI 48198

6. Transporter 1 Company Name: S & C Transport
U.S. EPA ID Number: MIK 126 399 884

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC. SITE #2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5469
U.S. EPA ID Number: MID 048 090 633

9a HM	9b U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (D040), 9, PGIII, ERG #171	001	DT	50 EST	T	D040
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. E143233WDI / Hazardous (D040) Soil Pile 1

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Beth Landale As Agent for RACER Trust and RACER Properties
Signature: Beth Landale As Agent for RACER Trust and RACER Properties
Month: 10 Day: 20 Year: 14

INTL
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Properties
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER
17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Mike Swain
Signature:
Month: 10 Day: 20 Year: 14
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY
18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Actual weight 33T ck per Dave Canfield w/ CRA CK-CH-10.21.14
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month: 10 Day: 20 Year: 14

EPA Form 8700-22 (Rev. 3-05). Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 013190195JJK

have been properly disposed of in accordance with all local, state and federal regulations.

"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.

FACILITY NAME: *(Please check one)*	☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)	☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633)
ADDRESS:	49350 N. I-94 Service Drive Belleville, Michigan 48111	
PHONE NUMBER:	1-800-592-5489	
FAX NUMBER:	1-800-593-5329	

Authorized Signature: _____

Wayne Disposal, Inc.
49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

EQIS MRD
TRANSPORTATION & SITE SERVICES
2701 NORTH I-94 SERVICE DRIVE
YPSILANTI, MI 48198

Receipt ID: 1244374
EQ Account #: 99999
Manifest / BOL: 013140148JJK
Transporter: SC
Date: 10/20/2014
Time In: 1:18 PM
Time Out: 2:57 PM

Line	Description Generator	Qty. Unit
1 - 1	E143233WDI - Hazardous (D040) Soil Pile 1	32.540 TONS
	Hazardous Surcharge Ton	32.540 TONS
	MIK468293311 RACER TRUST (CVO)	
	Gross: 118,920 **Tare:** 53,840 **Net:** 65,080	
2	Wayne Disposal Host Community Agreement Royalty Fee	32.540 TONS
	MIK468293311 RACER TRUST (CVO)	
	Gross: 118,920 **Tare:** 53,840 **Net:** 65,080	

NO SALVAGING ON PREMISES

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. MIK 468 293 311 Manifest Doc No.	2. Page 1 of

3. Generator's Mailing Address:
RACER TRUST
2901 TYLER ROAD
YPSLIANTI, MI 48198

Generator's Site Address (if different than mailing):
RACER TRUST
2901 TYLER ROAD
YPSLIANTI, MI 48198
WASHTENAW COUNTY

4. Generator's Phone 313-670-6226

A. Manifest Number WMNA 1

B. State Generator's ID

5. Transporter 1 Company Name S & L Transport

6. US EPA ID Number MIK 126 399 684

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Woodland Meadows RDF
5900 Hannan Rd
Wayne, MI 48184

10. US EPA ID Number

G. State Facility ID

H. State Facility Phone 734-326-0993

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. Non-Hazardous Soil WM Profile # 114725MI	01	DT	50 EST	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Color: Brown Odor: No Physical State: Solid

BILL TO: EQ - The Environmental Quality Company

K. Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.: David Canfield/734-453-5123

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Eric Maise As agent for RACER trust and RACER properties	As agent for RACER trust and RACER properties	10	20	14

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials		Month	Day	Year
Printed Name Mike Swain	Signature	10	20	14
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed Name	Signature			

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. MIK 460 293 311 — Manifest Doc No. 2

2. Page 1 of

A. Manifest Number WMNA T328550

B. State Generator's ID

GENERATOR

3. Generator's Mailing Address: RACER TRUST 500 Woodward Av. Suite 1510 Detroit, MI 48226

Generator's Site Address (if different than mailing): RACER TRUST 2301 TRUCK ROAD WAYNE, MI 48184 WASHTENAW COUNTY

4. Generator's Phone 313-416-2907

5. Transporter 1 Company Name: S & C Transport

6. US EPA ID Number: MIK 126 399 694

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: Woodland Meadows RDF 9900 Hannan Rd Wayne, MI 48184

10. US EPA ID Number

G. State Facility ID

H. State Facility Phone 734-326-6995

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. Non-Hazardous Soil WM Profile # 114725WM	2	DT	50 EST	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above: Color: Brown; Odor: N/A; Physical State: Solid

K. Disposal Location

Cell

Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT / PHONE NO.: Dale Christoff 734-776-2118

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name: Eric Maise as agent for RACER Trust + RACER properties — Signature "On behalf of": Eric Maise as agent for RACER Trust + RACER properties — Month 10 — Day 21 — Year 14

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name: Mark Lavender — Signature — Month 10 — Day 21 — Year 14

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name — Signature — Month — Day — Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name — Signature — Month — Day — Year

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY — Blue- GENERATOR #2 COPY — Yellow- GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. MIK 1165 293 311 — Manifest Doc No. 3

2. Page 1 of

A. Manifest Number WMNA T328549

3. Generator's Mailing Address: RACER TRUST 500 Woodward Ave. Suite 1610 Detroit, MI 48226

Generator's Site Address (If different than mailing): RACER TRUST 2001 TOWN ROAD YPSILANTI MI 48198 WASHTENAW COUNTY

B. State Generator's ID

4. Generator's Phone 313-418-2407

5. Transporter 1 Company Name: S & C Transport

6. US EPA ID Number: MIK 126 399 694

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: Wayne Disposal Landfill 2000 Hannan Rd Wayne, MI 48184

10. US EPA ID Number

G. State Facility ID

H. State Facility Phone 734-326-5000

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. Non-Hazardous Solid WM Profile # 1167334	2	DT	50 Est	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above: Color: Brown, Odor: No Odor, Physical State: Solid

K. Disposal Location

Cell

Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name: Eric Maise Emst + Racer Properties (as agent for Racer)

Signature "On behalf of": Eric Maise Ernst + Racer Properties (as agent for Racer)

Month 10 Day 21 Year 14

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name: Emerson Corder

Signature

Month 10 Day 21 Year 14

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name

Signature

Month Day Year

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY

Blue- GENERATOR #2 COPY

Yellow- GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. MIR 126 263 311 Manifest Doc No. 4

2. Page 1 of

A. Manifest Number WMNA T328548

B. State Generator's ID

3. Generator's Mailing Address:
RACER TRUST
[illegible] c/o Meadowbrook
[illegible] Suite 1510
[illegible]

Generator's Site Address (if different than mailing):
RACER TRUST
2901 TYLER ROAD
PLANT 1, MI 48198
WASHTENAW COUNTY

4. Generator's Phone [illegible] 313-494-[illegible]

5. Transporter 1 Company Name S & C Transport

6. US EPA ID Number MIR 126 399 694

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Woodland Meadows RDF
4900 Hannan Rd
Wayne, MI 48184

10. US EPA ID Number

G. State Facility ID

H. State Facility Phone 734-326-6949

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. Non-Hazardous Soil WM Profile # [illegible]	2	DT	40	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Color: Brown Odor: No Physical State: Solid

K. Disposal Location

Cell | Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.: [illegible] 734-450-6122

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Eric Maier, Envt + Energy Projects	as agent for RACER Envt + Energy Projects	10	21	14

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
[illegible]	[illegible]	10	21	14

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY Blue- GENERATOR #2 COPY Yellow- GENERATOR #1 COPY

Customer Summary Report
Criteria: 10/01/2014 12:00 AM to 10/23/2014 11:59 PM
Business Unit Name: Woodland Meadows Landfill - S04264 (USA)
User: smiller3
Date: Oct 23 2014, 8:58:38 AM - Central Standard Time
Operation Type: All
Customer Name: All
Ticket Type: All
Customer Type: All
PMT Category: All
Profile: 114725MI

Ticket Date	Ticket ID	Cust Code	MAS Unique ID	Manifest	Profile	Truck	Tons
10/20/2014	1015097	0003117	164707092003		114725MI	NONE	0
Material Total	1						0
10/20/2014	1015104	0003117	164707092003	1	114725MI	135	48.78
10/21/2014	1015373	0003117	164707092003	328550	114725MI	122	44.64
10/21/2014	1015399	0003117	164707092003	328549	114725MI	141	39.26
10/21/2014	1015406	0003117	164707092003	328548	114725MI	204	18.16
Ticket Totals	5						150.84

Profile Fee

LAND DISPOSAL RESTRICTION AND CERTIFICATION FORM

Generator: RACER TRUST (CVD)

Address: 2901 TYLER ROAD, YPSILANTI, MI 48198 U.S. EPA ID No.: MIR000022327

Line

01 Approval: E1432264AC

Waste Code(s): D007 D040

Hazardous Constituents: 67 [illegible]

Subcategory(s): None

Certification: GENERATORS OF CONTAMINATED SOIL

THIS CONTAMINATED SOIL DOES NOT CONTAIN LISTED HAZARDOUS WASTE AND DOES NOT EXHIBIT A CHARACTERISTIC OF HAZARDOUS WASTE AND IS SUBJECT TO THE LDR TREATMENT STANDARDS AS PROVIDED BY 40 CFR 268.40 FOR APPLICABLE CONSTITUENTS.

I certify that all information submitted on this and all attached documents is complete and accurate to the best of my knowledge and information.

Generator Signature: [signature] Date: [illegible]

Printed Name: [illegible]

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MIK 468 293 311
2. Page 1 of: 1
3. Emergency Response Phone: (800) 424-9300
4. Manifest Tracking Number: 013789471 JJK

GENERATOR

5. Generator's Name and Mailing Address: RACER TRUST
500 WOODWARD AVENUE
SUITE 1510
DETROIT, MI 48226
Generator's Phone: (734) 545-5423

Generator's Site Address (if different than mailing address)
RACER TRUST (CVO)
2301 TYLER ROAD
YPSILANTI, MI 48198

6. Transporter 1 Company Name: S & C Transport
U.S. EPA ID Number: MIK 126 399 684

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: MICHIGAN DISPOSAL WASTE TREATMENT PI
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 000 724 831

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3077, Hazardous waste, solid, n.o.s. (D040, D007), 9, PGIII, ERG #171	001	DT	1	T	D040	D007	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. E143236MDI / Hazardous (D040, D007) Soil Pile 3/4

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: SETH LANDALE
Signature:
Month: 10 Day: 20 Year: 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JEFF COLLINS
Signature:
Month: 10 Day: 20 Year: 14
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H110			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month: Day: Year:

...ious editions are obsolete.

GENERATOR'S INITIAL COPY

013789471JJK

S/C 142 133440

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
MIK 468 293 311	1	(800) 424-9300	013789471 JJK

GENERATOR

5. Generator's Name and Mailing Address
RACER TRUST
500 WOODWARD AVENUE
SUITE 1510
DETROIT, MI 48226
Generator's Phone: ~~(734) 845-5423~~ 313 486 8908

Generator's Site Address (if different than mailing address)
RACER TRUST (CVO)
2901 TYLER ROAD
YPSILANTI, MI 48198

6. Transporter 1 Company Name
S & C Transport
U.S. EPA ID Number
MIK 126 399 684

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
MICHIGAN DISPOSAL WASTE TREATMENT PI
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number
MID 000 724 831

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (D040, D007), 9, PGIII, ERG #171	001	DT	50 EST	T	D040 D007
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. E143236MDI / Hazardous (D040, D007) Soil Pile 3/4

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: BETH LANDALE — As Agent for RACER TRUST and Racer Properties
Signature: Beth Landale — As Agent for Racer Trust and Racer Properties
Month: 10 Day: 20 Year: 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JEFF COLLINS
Signature: Jeff Collins
Month: 10 Day: 20 Year: 14
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Actual weight 41 T ck per Dave Canfield w/ CRA ck-cd-10-21-14
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H110 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a
Printed/Typed Name: Mark Wesky
Signature: Mark Wesky
Month: 10 Day: 20 Year: 14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 013789971JJK

have been properly disposed of in accordance with all local, state and federal regulations.

"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.

FACILITY NAME: *(Please check one)*	☑ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)	☐ Wayne Disposal, Inc. (EPA I.D. # MID048090633)
ADDRESS:	49350 N. I-94 Service Drive Belleville, Michigan 48111	
PHONE NUMBER:	1-800-592-5489	
FAX NUMBER:	1-800-593-5329	

Authorized Signature: _____

Michigan Disposal, Inc.

Michigan Disposal Waste Treatment Plant

49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

EQIS MRD
TRANSPORTATION & SITE SERVICES
2701 NORTH I-94 SERVICE DRIVE
YPSILANTI, MI 48198

Receipt ID: 537311
EQ Account #: 99999
Manifest / BOL: 013789471JJK
Transporter: SC
Date: 10/20/2014
Time In: 8:05 AM
Time Out: 9:02 AM

Line	Description	Qty.	Unit
	Generator		
1 - 1	E143236MDI - Hazardous (D040, D007) Soil Pile 3/4	40.770	TONS
	Hazardous Surcharge Ton	40.770	TONS
	MIK468293311 RACER TRUST (CVO)		
	Gross: 133,440 **Tare:** 51,900 **Net:** 81,540		

NO SALVAGING ON PREMISES

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MIK 468 293 311
2. Page 1 of: 1
3. Emergency Response Phone: (800) 424-9300
4. Manifest Tracking Number: 013789472 JJK

GENERATOR

5. Generator's Name and Mailing Address: RACER TRUST
500 WOODWARD AVENUE
SUITE 1510
DETROIT, MI 48226
Generator's Phone: (313) [illegible]

Generator's Site Address (if different than mailing address)
RACER TRUST (CVO)
2001 TYLER ROAD
YPSILANTI, MI 48198

6. Transporter 1 Company Name: S & C Transport
U.S. EPA ID Number: MIK 126 399 684

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: MICHIGAN DISPOSAL WASTE TREATMENT PL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 000 724 831

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3077, Hazardous waste, solid, n.o.s. (D040, D007), 9, PGIII, ERG #171	001	DT	40 EST	T	D040	D007	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. E143236MDI / Hazardous (D040, D007) Soil Pile 3/4

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Agent for RACER Trust and owner Planning
Signature: [signature]
Month: 10 Day: 23 Year: 19

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: TERL Collins
Signature: [signature]
Month: 10 Day: 23 Year: 19

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H110			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month: Day: Year:

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

013789472JJK

S/C 142 140520

Form Approved. OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MIK 468 293 311
2. Page 1 of: 1
3. Emergency Response Phone: (800) 424-9300
4. Manifest Tracking Number: 013789472 JJK

GENERATOR

5. Generator's Name and Mailing Address: RACER TRUST
500 WOODWARD AVENUE
SUITE 1510
DETROIT, MI 48226
Generator's Phone: ~~(248)352-9000~~ 313-486-2908

Generator's Site Address (if different than mailing address):
RACER TRUST (CVO)
2901 TYLER ROAD
YPSILANTI, MI 48198
U.S. EPA ID Number: MIK 126 399 684

6. Transporter 1 Company Name: S & C Transport
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: MICHIGAN DISPOSAL WASTE TREATMENT PI
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
U.S. EPA ID Number: MID 000 724 831
Facility's Phone: (800) 592-5489

9a HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1 NA3077, Hazardous waste, solid, n.o.s. (D040, D007), 9, PGIII, ERG #171	001	DT	50 EST	T	D040 D007
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. E143236MDI / Hazardous (D040, D007) Soil Pile 3/4

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Beth Landale — As Agent for RACER Trust and RACER Properties
Signature: Beth Landale — As Agent for RACER Trust and RACER Properties
Month: 10 Day: 20 Year: 14

TRANSPORTER INTL

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JEFF Collins
Signature: Jeff Collins
Month: 10 Day: 20 Year: 14
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Actual Weight 44 T Ck per Dave Canfield w/ CRA OK-EDIO-21-14
Manifest Reference Number:
U.S. EPA ID Number:
18b. Alternate Facility (or Generator)
Facility's Phone:
Month: Day: Year:
18c. Signature of Alternate Facility (or Generator)

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H110 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Dan Stohrer
Signature:
Month: 10 Day: 20 Year: 14

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 013789972 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.

FACILITY NAME: *(Please check one)*

☑ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: _____

Michigan Disposal, Inc.

Michigan Disposal Waste Treatment Plant

49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

EQIS MRD
TRANSPORTATION & SITE SERVICES
2701 NORTH I-94 SERVICE DRIVE
YPSILANTI, MI 48198

Receipt ID: 537322
EQ Account #: 99999
Manifest / BOL: 013789472JJK
Transporter: SC
Date: 10/20/2014
Time In: 10:14 AM
Time Out: 2:22 PM

Line	Description Generator	Qty. Unit
1 - 1	E143236MDI - Hazardous (D040, D007) Soil Pile 3/4	44.360 TONS
	Hazardous Surcharge Ton	44.360 TONS
	MIK468293311 RACER TRUST (CVO)	
	Gross: 140,520 **Tare:** 51,800 **Net:** 88,720	

NO SALVAGING ON PREMISES

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MIK 468 293 311
2. Page 1 of: 1
3. Emergency Response Phone: (800) 424-9300
4. Manifest Tracking Number: 013789473 JJK

GENERATOR

5. Generator's Name and Mailing Address: RACER TRUST
500 WOODWARD AVENUE
SUITE 1510
DETROIT, MI 48226
Generator's Phone: 313-436-2907 17341 543-5423

Generator's Site Address (if different than mailing address)
RACER TRUST (CVO)
2301 TYLER ROAD
YPSILANTI, MI 48198

6. Transporter 1 Company Name: S & C Transport
U.S. EPA ID Number: MIK 126 399 664

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: MICHIGAN DISPOSAL WASTE TREATMENT PI
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 000 724 831

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3077, Hazardous waste, solid, n.o.s. (D040, D007), 9, PGIII, ERG #171	1	DT	1 EST	T	D040	D007	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. E143236MDI / Hazardous (D040, D007) Soil Pile 3/4

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Eric Morse as agent for Racer Trust and Racer Properties
Signature: as agent for Racer Trust + Racer Properties
Month: 12 Day: 21 Year: 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Mike Swain
Signature:
Month: 12 Day: 21 Year: 14

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H110			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month Day Year

013789473JJK

Dec 15 95810/58500

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	MIK 468 293 311	1	(800) 424-9300	013789473 JJK

GENERATOR

5. Generator's Name and Mailing Address
RACER TRUST
500 WOODWARD AVENUE
SUITE 1510
DETROIT, MI 48226
Generator's Phone: 313 - 436 - 2908

Generator's Site Address (if different than mailing address)
RACER TRUST (CVO)
2901 TYLER ROAD
YPSILANTI, MI 48198

6. Transporter 1 Company Name
S & C Transport
U.S. EPA ID Number
MIK 126 399 684

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
MICHIGAN DISPOSAL WASTE TREATMENT PL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number
MID 000 724 831

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (D040, D007), 9, PGIII, ERG #171	11	DT	50 EST	T	D040 D007
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. E143236MDI / Hazardous (D040, D007) Soil Pile 3/4

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Eric Maise as agent for RACER Trust and RACER Properties
Signature: Eric Maise as agent for RACER Trust + RACER Properties
Month: 10 Day: 31 Year: 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

	Signature	Month	Day	Year
Transporter 1 Printed/Typed Name: Mike Swain		10	31	14
Transporter 2 Printed/Typed Name:				

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H110			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year
Dan St. Thur		11	08	14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

COD #2

CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 013789473 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.

FACILITY NAME: *(Please check one)*

☑ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: _____

Michigan Disposal, Inc.

Michigan Disposal Waste Treatment Plant

49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

EQIS MRD
TRANSPORTATION & SITE SERVICES
2701 NORTH I-94 SERVICE DRIVE
YPSILANTI, MI 48198

Receipt ID: 537383
EQ Account #: 99999
Manifest / BOL: 013789473JJK
Transporter: SC
Date: 10/21/2014
Time In: 8:24 AM
Time Out: 10:17 AM

Line	Description	Qty.	Unit
	Generator		
1 - 1	E143236MDI - Hazardous (D040, D007) Soil Pile 3/4	51.530	TONS
	Hazardous Surcharge Ton	51.530	TONS
	MIK468293311 RACER TRUST (CVO)		
	Gross: 157,300 **Tare:** 54,240 **Net:** 103,060		

NC SALVAGING ON PREMISES

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MIK 468 293 311
2. Page 1 of: 1
3. Emergency Response Phone: (800) 424-9300
4. Manifest Tracking Number: 013789474 JJK

GENERATOR

5. Generator's Name and Mailing Address: RACER TRUST
500 WOODWARD AVENUE
SUITE 1510
DETROIT, MI 48226
Generator's Phone: 313-416-2907 ~~(734) 545-6428~~

Generator's Site Address (if different than mailing address):
RACER TRUST (CVO)
2901 TYLER ROAD
YPSILANTI, MI 48198

6. Transporter 1 Company Name: S & C Transport
U.S. EPA ID Number: MIK 128 399 684

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: MICHIGAN DISPOSAL WASTE TREATMENT PI
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 000 724 831

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3077, Hazardous waste, solid, n.o.s. (D040, D007), 9, PGIII, ERG #171	2	OT	50 LBS	T	D040	D007	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. E143236MDI / Hazardous (D040, D007) Soil Pile 3/4

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Eric Maise (As agent for RACER Trust + RACER Properties)
Signature: (As agent for RACER Trust + RACER Properties)
Month: 10 Day: 21 Year: 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JEFF Collins
Signature:
Month: 10 Day: 21 Year: 14
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
U.S. EPA ID Number:

18b. Alternate Facility (or Generator)
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H110 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month: Day: Year:

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

013789474JJK

SfC 142 156960

Form Approved. OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	MIK 468 293 311	1	(800) 424-9300	013789474 JJK

GENERATOR

5. Generator's Name and Mailing Address: RACER TRUST
500 WOODWARD AVENUE
SUITE 1510
DETROIT, MI 48226
Generator's Phone: 313-406-2908 ~~(734) 545-5429~~

Generator's Site Address (if different than mailing address):
RACER TRUST (CVO)
2901 TYLER ROAD
YPSILANTI, MI 48198
U.S. EPA ID Number: MIK 126 399 684

TRANSPORTER

6. Transporter 1 Company Name: S & C Transport
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

DESIGNATED FACILITY

8. Designated Facility Name and Site Address: MICHIGAN DISPOSAL WASTE TREATMENT PI
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5488
U.S. EPA ID Number: MID 000 724 831

9a HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (D040, D007), 9, PGIII, ERG #171	2	DT	50 EST	T	D040 D007
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. E143236MDI / Hazardous (D040, D007) Soil Pile 3/4

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Eric Maise — As agent for Racer trust + Racer properties — Signature: Eric Maise — As agent for Racer trust + Racer properties — Month 10 Day 21 Year 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JEFF Collins — Signature: Jeff Collins — Month 10 Day 21 Year 14
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number: U.S. EPA ID Number

18b. Alternate Facility (or Generator)
Facility's Phone: Month Day Year
18c. Signature of Alternate Facility (or Generator)

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H110 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Dan Stec — Signature: — Month 10 Day 21 Year 14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 013789479 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.

FACILITY NAME: *(Please check one)*	☑ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)	☐ Wayne Disposal, Inc. (EPA I.D. # MID048090633)
ADDRESS:	49350 N. I-94 Service Drive Belleville, Michigan 48111	
PHONE NUMBER:	1-800-592-5489	
FAX NUMBER:	1-800-593-5329	

Authorized Signature: _____

Michigan Disposal, Inc.

Michigan Disposal Waste Treatment Plant

49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

EQIS MRD
TRANSPORTATION & SITE SERVICES
2701 NORTH I-94 SERVICE DRIVE
YPSILANTI, MI 48198

Receipt ID: 537385
EQ Account #: 99999
Manifest / BOL: 013789474JJK
Transporter: SC
Date: 10/21/2014
Time In: 8:47 AM
Time Out: 10:22 AM

Line	Description Generator	Qty. Unit
1 - 1	E143236MDI - Hazardous (D040, D007) Soil Pile 3/4	52.610 TONS
	Hazardous Surcharge Ton	52.610 TONS
	MIK468293311 RACER TRUST (CVO)	
	Gross: 156,960 **Tare:** 51,740 **Net:** 105,220	

NO SALVAGING ON PREMISES

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MIK 468 293 311
2. Page 1 of: 1
3. Emergency Response Phone: (800) 424-9300
4. Manifest Tracking Number: 013789475 JJK

GENERATOR

5. Generator's Name and Mailing Address: RACER TRUST
500 WOODWARD AVENUE
SUITE 1510
DETROIT, MI 48226
Generator's Phone: (734) 545-5423

Generator's Site Address (if different than mailing address)
RACER TRUST (CVO)
2901 TYLER ROAD
YPSILANTI, MI 48198

6. Transporter 1 Company Name: S & C Transport
U.S. EPA ID Number: MIK 126 399 684

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: MICHIGAN DISPOSAL WASTE TREATMENT PI
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 000 724 831

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3077, Hazardous waste, solid, n.o.s. (D040, D007), 9, PGIII, ERG #171	2	DT	50 EST	T	D040	D007	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. E143236MDI / Hazardous (D040, D007) Soil Pile 3/4

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Eric Naise (as agent for Arcadis + Racer Properties)
Signature: (as agent for Arcadis + Racer Properties)
Month: 10 Day: 21 Year: 14

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jeff Collins
Signature:
Month: 10 Day: 21 Year: 14
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H110			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name:
Signature:
Month: Day: Year:

EPA Form 8700-22 (Rev. 9-05) Previous editions are obsolete.

013789475JJK

S/C 142 144960

Form Approved. OMB No. 2050-0039

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MIK 468 293 311
2. Page 1 of: 1
3. Emergency Response Phone: (800) 424-9300
4. Manifest Tracking Number: 013789475 JJK

GENERATOR

5. Generator's Name and Mailing Address: RACER TRUST
500 WOODWARD AVENUE
SUITE 1510
DETROIT, MI 48226
Generator's Phone: 313-496-2908 ~~(734) 545-5825~~

Generator's Site Address (if different than mailing address):
RACER TRUST (CVO)
2901 TYLER ROAD
YPSILANTI, MI 48198
U.S. EPA ID Number: MIK 126 399 684

6. Transporter 1 Company Name: S & C Transport
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: MICHIGAN DISPOSAL WASTE TREATMENT PI
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
U.S. EPA ID Number: MID 000 724 831
Facility's Phone: (800) 592-5489

9a HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (D040, D007), 9, PGIII, ERG #171	1	DT	50 EST	T	D040 D007
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. E143236MDI / Hazardous (D040, D007) Soil Pile 3/4

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Eric Maise — as agent for RACER Properties + RACER TRUST — Signature: Eric Maise — as agent for RACER TRUST + RACER Properties — Month: 10 Day: 21 Year: 14

INTL

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JEFF Collins — Signature: Jeff Collins — Month: 10 Day: 21 Year: 14
Transporter 2 Printed/Typed Name: — Signature: — Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
U.S. EPA ID Number:
18b. Alternate Facility (or Generator)
Facility's Phone: Month: Day: Year:
18c. Signature of Alternate Facility (or Generator)

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H110 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a
Printed/Typed Name: Zack [illegible] — Signature: — Month: 10 Day: 21 Year: 14

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 013789975 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.

FACILITY NAME: *(Please check one)*

☑ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: _____

Michigan Disposal, Inc.

Michigan Disposal Waste Treatment Plant

49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

EQIS MRD
TRANSPORTATION & SITE SERVICES
2701 NORTH I-94 SERVICE DRIVE
YPSILANTI, MI 48198

Receipt ID: 537406
EQ Account #: 99999
Manifest / BOL: 013789475JJK
Transporter: SC
Date: 10/21/2014
Time In: 11:13 AM
Time Out: 1:45 PM

Line	Description	Qty.	Unit
	Generator		
1 - 1	E143236MDI - Hazardous (D040, D007) Soil Pile 3/4	46.580	TONS
	Hazardous Surcharge Ton	46.580	TONS
	MIK468293311 RACER TRUST (CVO)		
	Gross: 144,960 **Tare:** 51,800 **Net:** 93,160		

NO SALVAGING ON PREMISES

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MIK 468 293 311
2. Page 1 of: 1
3. Emergency Response Phone: (800) 424-9300
4. Manifest Tracking Number: 013789476 JJK

GENERATOR

5. Generator's Name and Mailing Address: RACER TRUST
500 WOODWARD AVENUE
SUITE 1510
DETROIT, MI 48226
Generator's Phone: ~~(734) 545-4429~~

Generator's Site Address (if different than mailing address)
RACER TRUST (CVO)
2901 TYLER ROAD
YPSILANTI, MI 48198

6. Transporter 1 Company Name: S & C Transport
U.S. EPA ID Number: MIK 126 399 684

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: MICHIGAN DISPOSAL WASTE TREATMENT PL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 000 724 831

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3077, Hazardous waste, solid, n.o.s. (D040, D007), 9, PGIII, ERG #171	2	DT	35 LST	T	D040	D007	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. E143236MDI / Hazardous (D040, D007) Soil Pile 3/4

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Eric Maise (OF COUNSEL FOR RACER TRUST + RACER PROPERTIES)
Signature: (OF COUNSEL FOR RACER TRUST + RACER PROPERTIES)
Month: 10 Day: 21 Year: 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name:
Signature:
Month: 10 Day: 21 Year: 14
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H110			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month: Day: Year:

013789476JJK

S&C 86340/24920

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
MIK 468 293 311	1	(800) 424-9300	013789476 JJK

GENERATOR

5. Generator's Name and Mailing Address: RACER TRUST
500 WOODWARD AVENUE
SUITE 1510
DETROIT, MI 48226
Generator's Phone: 313-486-2908 ~~(734) 645-5429~~

Generator's Site Address (if different than mailing address):
RACER TRUST (CVO)
2901 TYLER ROAD
YPSILANTI, MI 48198

6. Transporter 1 Company Name: S & C Transport — U.S. EPA ID Number: MIK 126 399 684

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: MICHIGAN DISPOSAL WASTE TREATMENT PI
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489 — U.S. EPA ID Number: MID 000 724 831

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (D040, D007), 9, PGIII, ERG #171	1	DT	35 EST	T	D040 D007
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. E143236MDI / Hazardous (D040, D007) Soil Pile 3/4

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Eric Maise as agent for RACER TRUST + RACER Properties — Signature: Eric Maise as agent for RACER TRUST + RACER PROPERTIES — Month: 10 — Day: 21 — Year: 14

INTL

18. International Shipments ☐ Import to U.S ☐ Export from U.S. — Port of entry/exit: — Date leaving U.S.
Transporter signature (for exports only):

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: [illegible] SWA-M — Signature: [signature] — Month: 10 — Day: 21 — Year: 14
Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H110			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Don Shelton — Signature: [signature] — Month: 10 — Day: 21 — Year: 14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 61379 9976 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.

FACILITY NAME: *(Please check one)*	☑ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)	☐ Wayne Disposal, Inc. (EPA I.D. # MID048090633)
ADDRESS:	49350 N. I-94 Service Drive Belleville, Michigan 48111	
PHONE NUMBER:	1-800-592-5489	
FAX NUMBER:	1-800-593-5329	

Authorized Signature: _____

Michigan Disposal, Inc.

Michigan Disposal Waste Treatment Plant

49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

EQIS MRD
TRANSPORTATION & SITE SERVICES
2701 NORTH I-94 SERVICE DRIVE
YPSILANTI, MI 48198

Receipt ID: 537409
EQ Account #: 99999
Manifest / BOL: 013789476JJK
Transporter: SC
Date: 10/21/2014
Time In: 11:56 AM
Time Out: 1:39 PM

Line	Description Generator	Qty. Unit
1 - 1	E143236MDI - Hazardous (D040, D007) Soil Pile 3/4	28.560 TONS
	Hazardous Surcharge Ton	28.560 TONS
	MIK468293311 RACER TRUST (CVO)	
	Gross: 111,260 **Tare:** 54,140 **Net:** 57,120	

NO SALVAGING ON PREMISES

LAND DISPOSAL RESTRICTION AND CERTIFICATION FORM

Generator: RACER TRUST (CVO)
2901 TYLER ROAD , YPSILANTI, MI 48198

U.S. EPA ID No.: MIK468293311

Manifest:

Page - Line
1 - 01 **Approval:** J145202DET NWW

Waste Code(s): D008

Hazardous Constituents: 112 Fluoranthene

Subcategory(s):

Certification: GENERATORS OF CONTAMINATED SOIL.
THIS CONTAMINATED SOIL DOES NOT CONTAIN LISTED HAZARDOUS WASTE AND DOES EXHIBIT A CHARACTERISTIC OF HAZARDOUS WASTE AND IS SUBJECT TO THE SOIL TREATMENT STANDARDS AS PROVIDED BY 268.49(c) OR THE UNIVERSAL TREATMENT STANDARDS.

I hereby certify that all information submitted on this and all associated documents, is complete and accurate to the best of my knowledge and information.

Generator Signature: _____ **Title:** As Agent for RACER Trust & RACER Properties

Printed Name: David Canfield **Date:** 10/17/14

For questions regarding this form, please call EQ's Customer Service Department at (800) 592-5489.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MIK 468 293 311

2. Page 1 of: 1

3. Emergency Response Phone: (800) 424-9300

4. Manifest Tracking Number: 013789485 JJK

GENERATOR

5. Generator's Name and Mailing Address: RACER TRUST
500 WOODWARD AVENUE
SUITE 1510
DETROIT, MI 48226
Generator's Phone: (734) 545-5423

Generator's Site Address (if different than mailing address)
RACER TRUST (CVO)
2901 TYLER ROAD
YPSILANTI, MI 48198

6. Transporter 1 Company Name: S & C Transport
U.S. EPA ID Number: MIK 126 399 684

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: EQ DETROIT, INC.
1923 FREDERICK
DETROIT, MI 48211
Facility's Phone: (313) 347-1300
U.S. EPA ID Number: MID 980 991 566

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (lead), 9, PGIII, ERG #171	2	DT	30 MT	T	D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. J145202DET / Leaded Soil - separated from Pile 6
Storage Start Date

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Eric Morse
Signature
Month: 10 Day: 21 Year: 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name
Signature
Month: 10 Day: 21 Year: 14

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H110			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name
Signature
Month Day Year

013789485JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

Form Approved OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MIK 468 293 311
2. Page 1 of: 1
3. Emergency Response Phone: (800) 424-9300
4. Manifest Tracking Number: 013789485 JJK

5. Generator's Name and Mailing Address: RACER TRUST
500 WOODWARD AVENUE
SUITE 1510
DETROIT, MI 48226
Generator's Phone: 313-~~[illegible]~~ 986 2908 ~~(734) 545-6428~~

Generator's Site Address (if different than mailing address):
RACER TRUST (CVO)
2901 TYLER ROAD
YPSILANTI, MI 48198

6. Transporter 1 Company Name: S & C Transport
U.S. EPA ID Number: MIK 126 399 684

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: EQ DETROIT, INC.
1923 FREDERICK
DETROIT, MI 48211
Facility's Phone: (313) 347-1300
U.S. EPA ID Number: MID 980 991 566

9a HM	9b U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any))	10 Containers: No.	10 Containers: Type	11 Total Quantity	12 Unit Wt./Vol.	13 Waste Codes
X	1 NA3077, Hazardous waste, solid, n.o.s. (lead), 9, PGIII, ERG #171	2	DT	~~2037~~ est MS	T	D008
	2					
	3					
	4					

14. Special Handling Instructions and Additional Information
1. J145202DET / Leaded Soil - separated from Pile 6
~~Storage Start Date~~

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Eric Maise
Signature: As Agent for RACER Trust and RACER Reporting — Eric Maise — As Agent for RACER Trust and RACER Reporting
Month: 10 Day: 21 Year: 14

INTL
16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER
17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: [illegible] — Signature: [signature] — Month: 10 Day: 21 Year: 14
Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY
18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator): U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator): Month: Day: Year:
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1: H110 2: 3: 4:
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [illegible] — Signature: [signature] — Month: 10 Day: 21 Year: 14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Approval: J145202DET
Receipt Status: All
Trans Mode (Inbound/Outbound): Both
Bulk Mode (Bulk/Non-Bulk): Both

Receipt List

EQ Detroit, Inc.

0 EQ Detroit, Inc.

Receipt ID	Manifest/BOL / Commingled	Customer		Generator	Waste Stream	Approval / Product TSDF Approval	Waste Code	Bill Unit	Qty	Rec.Status	Fpr. Status / Outbound	Rec. Date
1028178-1	013789485JJK	99999	EQIS MRD	MIK468293311	RACER TRUST (CVO)	J145202DET	D008	TONS	37.10	Accepted	Accepted	10/21/2014
					Total quantity for bill unit TONS:				**37.10**			

EQ Detroit, Inc.

1923 FREDERICK STREET • DETROIT, MICHIGAN 48211 • tel 313 923-0080 • fax 313 923 1325 • www.eqonline.com

CERTIFICATE OF RECEIPT

This certificate is to verify that the wastes specified on manifest # 037894855 5K have been properly received at EQ Detroit and will be properly managed to meet all applicable local, state and federal standards.

FACILITY NAME:	EQ Detroit, Inc. EPA ID # MID 980991566
ADDRESS:	1923 Frederick Street Detroit, MI 48211
PHONE NUMBER:	313-923-0080 800-495-6059
FAX NUMBER:	313-923-3375

Authorized Signature: _____

On behalf of EQ Detroit, Inc.

LAND DISPOSAL RESTRICTION AND CERTIFICATION FORM

Generator: RACER TRUST (CVO)
2901 TYLER ROAD , YPSILANTI, MI 48198

U.S. EPA ID No.: MIK468293311

Manifest:

Page - Line
1 - 01 **Approval:** E143259WDI NWW

Waste Code(s): PCB1

Hazardous Constituents: NONE

Subcategory(s):

Certification:

I hereby certify that all information submitted on this and all associated documents, is complete and accurate to the best of my knowledge and information.

Generator Signature: _____ **Title:** As Agent for RACER Trust & RACER Properties

Printed Name: David Canfield **Date:** 10/17/14

For questions regarding this form, please call EQ's Customer Service Department at (800) 592-5489.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MIK 468 293 311
2. Page 1 of: 1
3. Emergency Response Phone: (800) 424-9300
4. Manifest Tracking Number: 013789491 JJK

GENERATOR

5. Generator's Name and Mailing Address: RACER TRUST
500 WOODWARD AVENUE
SUITE 1510
DETROIT, MI 48226
Generator's Phone: 313-758-2708 (734) 545-5423

Generator's Site Address (if different than mailing address)
RACER TRUST (CVO)
2901 TYLER ROAD
YPSILANTI, MI 48198

6. Transporter 1 Company Name: S & C Transport
U.S. EPA ID Number: MIK 126 399 664

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC. SITE #2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432, Polychlorinated biphenyls, solid, 9, PGII, ERG #171	01	DT	17,060 LST	T	PCB1
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. E14325WDI / TSCA Soil Pile 6
Storage Starte Date Jan 2nd 14

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Eric Mouse (Agent for RACER Trust and RACER Properties)
Signature
Month: 10 Day: 20 Year: 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JEFF COLLINS
Signature
Month: 10 Day: 20 Year: 14

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
U.S. EPA ID Number

18b. Alternate Facility (or Generator)
Facility's Phone:
Month Day Year

18c. Signature of Alternate Facility (or Generator)

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
PCB			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

013789491JJK

S/C 14278980

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	MIK 468 293 311	1	(800) 424-9300	013789491 JJK

GENERATOR

5. Generator's Name and Mailing Address
RACER TRUST
500 WOODWARD AVENUE
SUITE 1510
DETROIT, MI 48226
Generator's Phone: 313-486-2908 ~~(734) 645-5422~~

Generator's Site Address (if different than mailing address)
RACER TRUST (CVO)
2901 TYLER ROAD
YPSILANTI, MI 48198

6. Transporter 1 Company Name
S & C Transport
U.S. EPA ID Number: MIK 126 399 684

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
WAYNE DISPOSAL, INC. SITE #2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432, Polychlorinated biphenyls, solid, 9, PGII, ERG #171	01	DT	18,000 EST	K G	PCB1
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. E143259WDI / TSCA Soil- Pile 6
Storage Start Date Jan 2 2014
UN1000 ID - Pile 6 T503

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Eric Maise — As Agent for RACER Trust and RACER Properties
Signature: [signature] — As Agent for RACER Trust and RACER Properties
Month: 10 Day: 20 Year: 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: RACER Properties
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JEFF Collins
Signature: [signature]
Month: 10 Day: 20 Year: 14
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
PCB			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Dan Shelton
Signature: [signature]
Month: 10 Day: 20 Year: 14

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DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

CERTIFICATE OF DISPOSAL

FOR MANIFESTED PCB WASTE

This certificate is to verify the wastes identified as PCB SOLID

and specified on Manifest # 013789491 JJK, Line Item 1 has been landfilled on October 21, 2014 in accordance with all local, state and federal regulations by:

Wayne Disposal, Inc.

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: _____

Wayne Disposal, Inc.
49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

EQIS MRD
TRANSPORTATION & SITE SERVICES
2701 NORTH I-94 SERVICE DRIVE
YPSILANTI, MI 48198

Receipt ID: 1244390
EQ Account #: 99999
Manifest / BOL: 013789491JJK
Transporter: SC
Date: 10/20/2014
Time In: 3:37 PM
Time Out: 4:22 PM

Line	Description Generator	Qty. Unit
1 - 1	E143259WDI - TSCA Soil- Pile 6	21.700 TONS
	Hazardous Surcharge Ton	21.700 TONS
	MIK468293311 RACER TRUST (CVO)	
	Gross: 78,980 **Tare:** 35,580 **Net:** 43,400	
2	Wayne Disposal Host Community Agreement Royalty Fee	21.700 TONS
	MIK468293311 RACER TRUST (CVO)	
	Gross: 78,980 **Tare:** 35,580 **Net:** 43,400	

NO SALVAGING ON PREMISES