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LIMITED PHASE II ENVIRONMENTAL INVESTIGATION REPORT

709 EAST CAPITOL DRIVE
CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN 53212

Prepared by:

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August 12, 2016

Project No. 2016.110

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EXECUTIVE SUMMARY

Environmental Consulting, Inc. prepared this Limited Phase II Environmental Investigation Report to document the results of the limited soil investigation activities, limited test pit investigation activities, limited soil gas sampling and analysis activities and limited groundwater investigation activities completed at 709 East Capitol Drive property located in the City of Milwaukee, Milwaukee County, Wisconsin, referenced hereinafter as the subject property. The objective of the limited soil investigation activities was to determine the presence or absence of contaminant concentrations in the soil that are above applicable regulatory standards. The objective of the limited test pit investigation activities was to determine the presence of absence of an underground storage tank ("UST") at the location of an unknown anomaly that was identified during a geophysical investigation at the western portion of the subject property. The objective of the limited soil gas sampling and analysis activities was to determine the presence or absence of contaminant concentrations in the soil gas that are above applicable regulatory standards. The objective of the limited groundwater investigation activities was to determine the presence or absence of contaminant concentrations in the groundwater that are above applicable regulatory standards.

On June 27, 2016, Environmental Consulting, Inc. advanced eight (8) soil borings denoted as B1 through B8 on the subject property. The eight (8) soil borings denoted as B1 through B8 were advanced to approximate depths ranging from 8 feet bgs to 15 feet bgs using a track-mounted direct push drilling machine. One (1) soil sample was collected from each of the eight (8) soil borings advanced on the subject property. The eight (8) soil samples denoted as B1 through B8 were submitted to a Wisconsin-certified laboratory for analysis of target compound list ("TCL") volatile organic compounds ("VOCs") including 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene ("TCL VOCs").

On June 27, 2016, Environmental Consulting, Inc. excavated one (1) test pit on the subject property. The test pit was excavated in the location of the suspect UST anomaly identified during the magnetometer survey previously performed by Giles as discussed in Section 1.2 of this report. The test pit was excavated to an approximate depth of 10 feet bgs. No UST was encountered in the test pit; however, a horizontal steel pipe was encountered in the northwest portion of the test pit at approximately 3 feet bgs. The pipe lead through the northwest sidewall of the test pit which was located adjacent to the western boundary of the subject property; therefore, prohibiting further exploratory excavation activities. The interior of the pipe was gauged and determined to extend approximately 12 feet off the subject property. A solvent odor was noted in the pipe and in the surrounding soils. Four (4) soil samples were collected from the base and sidewalls of the test pit excavated on the subject property. The four (4) test pit soil samples denoted as TP1, TP2, TP3 and TP4 were submitted to Test America for analysis of TCL VOCs.

On June 27, 2016, Environmental Consulting, Inc. collected three (3) soil gas samples denoted as SG1, SG2 and SG3 on the subject property. The soil gas samples were collected from temporary sampling points advanced through the asphalt pavement on the subject property. The three (3) soil gas samples denoted as SG1, SG2 and SG3 were submitted to a laboratory for analysis of VOCs by the United States Environmental Protection Agency ("USEPA") method TO-15.

On June 27, 2016, Environmental Consulting, Inc. installed three (3) temporary groundwater monitoring wells in three (3) of the eight (8) boreholes (i.e., B1, B5 and B7) advanced on the subject property as previously discussed above. After allowing adequate time for the three (3) temporary groundwater monitoring wells to fill and stabilize with groundwater, groundwater samples were collected from each of the three (3) temporary groundwater monitoring wells. The three (3) groundwater samples denoted as B1-GW, B5-GW and B7-GW were submitted to Test America for analysis of TCL VOCs.

The laboratory analytical results for the four (4) soil samples collected from the one (1) test pit revealed concentrations of the following contaminants above applicable WDNR standards:

- n-butylbenzene;
- sec-butylbenzene;
- ethylbenzene;
- p-isopropyltoluene;
- naphthalene;
- TCE;
- 1,2,4-trimethylbenzene; and
- 1,3,5-trimethylbenzene.

Concentrations of naphthalene and 1,2,4-trimethylbenzene were also detected above their respective WDNR standards in the one (1) soil boring denoted as B2 and 1,2,4-trimethylbenzene was also detected above its WDNR standard in the one (1) soil boring denoted as B3.

The soil gas sample laboratory analytical results were reported to be either not detected ("ND") above laboratory reported detection limits or less than applicable WDNR sub-slab vapor risk screening levels with the exception of 1,2-dichloropropane in the one (1) soil gas sample denoted as SG3.

The groundwater laboratory analytical results were reported to be either not detected ("ND") above laboratory method detection limits or less than WDNR standards with the exception of total trimethylbenzenes (i.e., 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene) in the one (1) temporary groundwater monitoring well sample denoted as B1-GW.

Based on the conclusions these limited Phase II environmental investigation activities, Environmental Consulting, Inc. presents the following recommendations in connection with the subject property:

- Develop a site-specific health and safety plan and a soil management plan to properly manage the existing contaminated soil and/or groundwater on the subject property if encountered during construction. In the event that surplus soil is generated during construction activities, the soil management plan will include protocols to characterize and handle the contaminated soil for proper off-site disposal at an approved disposal facility.

- Due to the soil gas sample laboratory analytical results, design and install a sub-slab vapor barrier and vapor collection system for the proposed building on the subject property to preclude exposure to contaminant concentrations for future building occupants through the vapor intrusion into buildings pathway.

1.0 INTRODUCTION

Environmental Consulting, Inc. prepared this Limited Phase II Environmental Investigation Report to document the results of the limited soil investigation activities, limited test pit investigation activities, limited soil gas sampling and analysis activities and limited groundwater investigation activities completed at 709 East Capitol Drive property located in the City of Milwaukee, Milwaukee County, Wisconsin, referenced hereinafter as the subject property.

1.1 Property Location/Description

The subject property is located on the *Milwaukee, Wisconsin* United States Geological Survey ("USGS") 7.5 minute topographic quadrangle, dated 2016. A copy of a portion of the USGS topographic quadrangle identifying the location of the subject property is included as Appendix A.

The subject property consists of approximately 31,500 square feet of vacant land. The subject property is located at the southeast corner of the intersection of East Capitol Drive and North Fratney Street. The subject property currently consists of a paved asphalt parking lot associated with a multi-tenant commercial shopping center anchored by a Piggly Wiggly supermarket.

1.2 Background

The subject property and the adjoining properties to the south and west of the subject property were developed into the present-day commercial shopping center in the mid-1980s. A Burger King outparcel restaurant was located on the subject property from the mid-1980s to circa 2006. Prior to the mid-1980s, the subject property was covered with a portion of an industrial facility known as the Adelman Laundry and Novelty Dye Works dating back to the early 1900s. The rooms or sections of the former industrial facility previously located on the subject property were identified as office, dry cleaning, wash house, dry room and work room.

In conjunction with these limited Phase II environmental investigation activities, Environmental Consulting, Inc. prepared a Phase I Environmental Site Assessment ("Phase I") report dated August 12, 2016 in connection with the subject property. The Phase I report was prepared in general accordance with the scope and limitations of American Society for Testing and Materials ("ASTM") E1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process ("ASTM E1527-13"), and the All Appropriate Inquiry ("AAI") regulations. Prior to the Phase I, Environmental Consulting, Inc. reviewed the following reports prepared by others documenting previous environmental assessment and investigation activities completed on the subject property:

- Phase I Environmental Site Assessment, prepared by Giles Engineering Associates, Inc. ("Giles"), dated June 9, 2014 ("Phase I report dated June 9, 2014"); and
- Letter regarding Magnetometer Survey, prepared by Giles, dated September 29, 2014 ("Magnetometer Survey letter dated September 29, 2014").

The Phase I report dated June 9, 2014 was prepared for the subject property which was identified as a proposed AutoZone store location. Based on a review of the Phase I report dated June 9, 2014, Giles concluded that the following RECs existed in connection with the subject property:

- The possible vapor intrusion threat from the known soil and groundwater contamination located on the subject property.
- The possible presence of USTs located on the subject property.

The known soil and groundwater contamination was reportedly the result of historic releases from three (3) former USTs containing gasoline, waste oil and solvent on the subject property and from the historic dry cleaning facility on the subject property. Site investigation activities were performed to characterize the nature and extent of soil and groundwater contamination on the subject property and in 2007 case closure was negotiated with WDNR. On May 1, 2008, WDNR granted closure allowing contaminated soil and groundwater to be managed in-place. However, during more recent geotechnical exploration performed in connection with the proposed development by AutoZone, evidence of a possible UST was encountered during the on-site drilling activities.

Giles also identified the following historic REC in connection with the subject property:

- Residual soil and/or groundwater contamination present from the former Environmental Repair Program ("ERP") activity associated with the former dry cleaner facility located on the subject property.

Based on these conclusions, Giles recommended the completion of a magnetometer survey to determine the presence or absence of an UST or USTs on the subject property. Giles also recommended that a soil vapor survey should be performed prior to any construction activities and that a construction contingency plan be developed to properly handle, manage and/or dispose of any impacted soil encountered during construction (i.e., Soil Management Plan).

On September 16, 2014, Giles performed a magnetometer survey on the subject property using a Geometrics, Inc. G-858 cesium vapor magnetometer. The purpose of the magnetometer survey was to identify magnetic anomalies that are indicative of USTs. Based on the results of the magnetometer survey, one (1) unknown magnetic anomaly was identified along the western boundary of the subject property. Giles recommended that this anomaly be further investigated and if determined to be an UST, then Giles recommended the closure and removal of the UST.

Based on the conclusions of the Phase I report dated June 9, 2014 and based on the results of Giles' magnetometer survey, Environmental Consulting, Inc. recommended the completion of limited Phase II environmental investigation activities.

1.3 Project Objectives

The objective of the limited soil investigation activities was to determine the presence or absence of contaminant concentrations in the soil that are above applicable regulatory standards. The objective of the limited test pit investigation activities was to determine the presence of absence of an underground storage tank ("UST") at the location of an unknown anomaly that was identified during a geophysical investigation at the western portion of the subject property. The objective of the limited soil gas sampling and analysis activities was to determine the presence or absence of contaminant concentrations in the soil gas that are above applicable regulatory standards. The objective of the limited groundwater investigation activities was to determine the presence or absence of contaminant concentrations in the groundwater that are above applicable regulatory standards.

1.4 Report Preparation

Environmental Consulting, Inc. prepared this report that documents the limited Phase II environmental investigation activities completed on the subject property. This report was prepared for the sole use of the client identified on the cover page of this report. Any use of this report or any reliance upon the information in this report by any party other than the client identified on the cover page of this report is strictly prohibited unless specific written authorization is provided by Environmental Consulting, Inc.

2.0 LIMITED SOIL INVESTIGATION

2.1 Soil Boring Investigation

2.1.1 Sampling Activities

On June 27, 2016, Environmental Consulting, Inc. advanced eight (8) soil borings denoted as B1 through B8 on the subject property. Figure 2-1 illustrates the approximate locations of the eight (8) soil borings advanced on the subject property as part of these limited Phase II environmental investigation activities. The eight (8) soil borings denoted as B1 through B8 were advanced to approximate depths ranging from 8 feet bgs to 15 feet bgs using a track-mounted direct push drilling machine. Soil samples were collected continuously in each of the boreholes advanced on the subject property. A photo ionization detector ("PID") was used to field screen each soil sample retrieved for volatile organic compounds ("VOCs"). The PID was calibrated with 100 parts per million ("ppm") of isobutylene prior to commencing work. PID readings were recorded above background in each of the eight (8) boreholes. The maximum PID readings recorded in each borehole ranged from 5.0 to 94.3 units above background with the highest PID readings recorded in the three (3) soil borings denoted as B2, B3 and B4. Copies of the soil boring logs are included in Appendix B.

One (1) soil sample was collected from each of the eight (8) soil borings advanced on the subject property. The eight (8) soil samples denoted as B1 through B8 were collected using EnCore™ samplers and laboratory-supplied sample jars. The eight (8) soil samples were submitted to Test America Laboratories, Inc. ("Test America"), a Wisconsin-certified laboratory located in Nashville, Tennessee, for analysis of target compound list ("TCL") volatile organic compounds ("VOCs") including 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene ("TCL VOCs"). The eight (8) soil samples were stored in an ice-filled cooler with an ambient air temperature of 4°C until delivery to the laboratory.

2.1.2 Discussion of Results

The laboratory analytical results for the eight (8) soil samples were reported to be either not detected ("ND") above laboratory method detection limits or less than applicable Wisconsin Department of Natural Resources ("WDNR") standards with the exception of naphthalene and 1,2,4-trimethylbenzene. Table 2-1 summarizes the laboratory analytical results for the eight (8) soil samples collected on the subject property. A copy of the soil sample laboratory analytical results is included in Appendix C.

Soil Sample Laboratory Analytical Results
709 East Capitol Drive
City of Milwaukee, Milwaukee County, Wisconsin 53212
June 27, 2016

Parameters	B1	B2	B3	B4	B5	B6	B7	B8	WDNR Standards[1]
Sample depth (feet bgs)	6.5-7.5	5.5-6.5	1-2	4-5	4-5	7-8	3-4	7-8	
Acetone	110	110	130	120	94	78	150	150	63,800,000
Benzene	4.8 B	11 B	12 B	14 B	6.9 B	8.7 B	7.1 B	7.9 B	1,490
2-Butanone (MEK)	12 J	17 J	16 J	20 J	16 J	6.9 J	20 J	24 J	28,400,000
n-Butylbenzene	1,300	60,000	31,000	13,000	7,600	ND	3,900	1,100	108,000
sec-Butylbenzene	440	19,000	19,000	11,000	7,200	ND	3,000	1,900	145,000
tert-Butylbenzene	44	1,800	2,300	940	550	ND	220	130	183,000
Carbon Disulfide	ND	5.0 J	6.9	ND	ND	ND	ND	ND	738,000
Chloroform	ND	1.9 J	ND	ND	ND	ND	ND	ND	423
1,2-Dichlorobenzene	13	ND	320	ND	ND	ND	ND	ND	376,000
1,4-Dichlorobenzene	2.6	ND	ND	ND	ND	ND	ND	ND	3,480
1,1-Dichloroethane	ND	90	2.9	ND	ND	ND	ND	ND	4,720
1,2-Dichloroethane	ND	8.2	ND	ND	ND	ND	ND	ND	608
cis-1,2-Dichloroethene	ND	4.0	15	ND	ND	12	ND	ND	156,000
1,2-Dichloropropane	ND	57	17	24	ND	3.5	17	2.2	1,330
Ethylbenzene	19	2,300	830	1,600	510	ND	160	130	7,470
2-Hexanone	ND	1,600 J	ND	ND	ND	ND	ND	ND	244,000
Isopropylbenzene	130	8,300	7,500	4,900	2,500	ND	850	600	268,000
p-Isopropyltoluene	230	17,000	18,000	430	230	ND	3,100	1,200	162,000
Methylene Chloride	640 B	2,200 B	1,500 B	220 B	370 B	1,000	630 B	860 B	60,700
Naphthalene	120	8,700	1,500	4,300 B	4,800 B	ND	1,700	190 J	5,150
N-Propylbenzene	410	18,000	23,000	11,000	5,500	ND	2,400	1,600	NS
Tetrachloroethene (PCE)	ND	700	2,600	ND	ND	ND	ND	ND	30,700
Toluene	11 B	98 J	86 J	ND	ND	ND	ND	ND	818,000
Trichloroethene (TCE)	ND	170	420	ND	ND	5.0	1.0 J	ND	1,260
1,2,4-Trimethylbenzene	2,900 B	440,000	340,000	430	90 J	89 J	20,000 B	8,100 B	89,800
1,3,5-Trimethylbenzene	360	140,000	85,000	1,200	49 J	ND	8,000 B	61 JB	182,000
Xylenes (total)	27	11,000	6,800	ND	ND	ND	310	120 J	260,000

All values are expressed in units of micrograms per kilogram ("µg/kg").
Only those TCL VOCs detected above laboratory method detection limits are presented in this table.
B denotes that a specific analyte was detected in one or more method blanks at concentrations greater than the reporting limit.
J indicates an estimated concentration which is less than the laboratory reporting limit but greater than or equal to the laboratory method detection limit.
ND denotes not detected above laboratory method detection limits where the method detection limits are less than applicable WDNR standards.
Shaded concentrations denote concentrations detected above WDNR standards.
1. WDNR Standards: Non-Industrial Not-to-Exceed Direct Contact Residual Contaminant Levels ("RCLs"), Chapter NR 720, Soil Cleanup Standards.

LEGEND

B# = *SOIL BORING LOCATION AND NUMBER*

NOTES:

SITE MAP DERIVED FROM DIGITIZED 2014 GOOGLE EARTH AERIAL PHOTOGRAPH.
SCALE IS APPROXIMATE AS THIS SITE PLAN IS INTENDED FOR ILLUSTRATIVE PURPOSES ONLY.

ENVIRONMENTAL CONSULTING, INC.
2002 RENAISSANCE BOULEVARD
SUITE 110
KING OF PRUSSIA, PENNSYLVANIA 19406

JOB No.	DRAWN BY:	SCALE:	FIGURE No.:
2016.110	ADH	1"=40'	2-1
DATE: 8/8/16	CHECKED BY: SJK		

709-733 EAST CAPITOL DRIVE
MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN 53212

TITLE: SOIL BORING LOCATION PLAN

NORTH

Table 2-1

Soil Sample Laboratory Analytical Results
709 East Capitol Drive
City of Milwaukee, Milwaukee County, Wisconsin 53212
June 27, 2016

Parameters	B1	B2	B3	B4	B5	B6	B7	B8	WDNR Standards[1]
Sample depth (feet bgs)	6.5-7.5	5.5-6.5	1-2	4-5	4-5	7-8	3-4	7-8	
Acetone	110	110	130	120	94	78	150	150	63,800,000
Benzene	4.8 B	11 B	12 B	14 B	6.9 B	8.7 B	7.1 B	7.9 B	1,490
2-Butanone (MEK)	12 J	17 J	16 J	20 J	16 J	6.9 J	20 J	24 J	28,400,000
n-Butylbenzene	1,300	60,000	31,000	13,000	7,600	ND	3,900	1,100	108,000
sec-Butylbenzene	440	19,000	19,000	11,000	7,200	ND	3,000	1,900	145,000
tert-Butylbenzene	44	1,800	2,300	940	550	ND	220	130	183,000
Carbon Disulfide	ND	5.0 J	6.9	ND	ND	ND	ND	ND	738,000
Chloroform	ND	1.9 J	ND	ND	ND	ND	ND	ND	423
1,2-Dichlorobenzene	13	ND	320	ND	ND	ND	ND	ND	376,000
1,4-Dichlorobenzene	2.6	ND	ND	ND	ND	ND	ND	ND	3,480
1,1-Dichloroethane	ND	90	2.9	ND	ND	ND	ND	ND	4,720
1,2-Dichloroethane	ND	8.2	ND	ND	ND	ND	ND	ND	608
cis-1,2-Dichloroethene	ND	4.0	15	ND	ND	12	ND	ND	156,000
1,2-Dichloropropane	ND	57	17	24	ND	3.5	17	2.2	1,330
Ethylbenzene	19	2,300	830	1,600	510	ND	160	130	7,470
2-Hexanone	ND	1,600 J	ND	ND	ND	ND	ND	ND	244,000
Isopropylbenzene	130	8,300	7,500	4,900	2,500	ND	850	600	268,000
p-Isopropyltoluene	230	17,000	18,000	430	230	ND	3,100	1,200	162,000
Methylene Chloride	640 B	2,200 B	1,500 B	220 B	370 B	1,000	630 B	860 B	60,700
Naphthalene	120	8,700	1,500	4,300 B	4,800 B	ND	1,700	190 J	5,150
N-Propylbenzene	410	18,000	23,000	11,000	5,500	ND	2,400	1,600	NS
Tetrachloroethene (PCE)	ND	700	2,600	ND	ND	ND	ND	ND	30,700
Toluene	11 B	98 J	86 J	ND	ND	ND	ND	ND	818,000
Trichloroethene (TCE)	ND	170	420	ND	ND	5.0	1.0 J	ND	1,260
1,2,4-Trimethylbenzene	2,900 B	440,000	340,000	430	90 J	89 J	20,000 B	8,100 B	89,800
1,3,5-Trimethylbenzene	360	140,000	85,000	1,200	49 J	ND	8,000 B	61 JB	182,000
Xylenes (total)	27	11,000	6,800	ND	ND	ND	310	120 J	260,000

All values are expressed in units of micrograms per kilogram ("µg/kg").
Only those TCL VOCs detected above laboratory method detection limits are presented in this table.
B denotes that a specific analyte was detected in one or more method blanks at concentrations greater than the reporting limit.
J indicates an estimated concentration which is less than the laboratory reporting limit but greater than or equal to the laboratory method detection limit.
ND denotes not detected above laboratory method detection limits where the method detection limits are less than applicable WDNR standards.
Shaded concentrations denote concentrations detected above WDNR standards.
1. WDNR Standards: Non-Industrial Not-to-Exceed Direct Contact Residual Contaminant Levels ("RCLs"), Chapter NR 720, Soil Cleanup Standards.

2.2 Test Pit Investigation

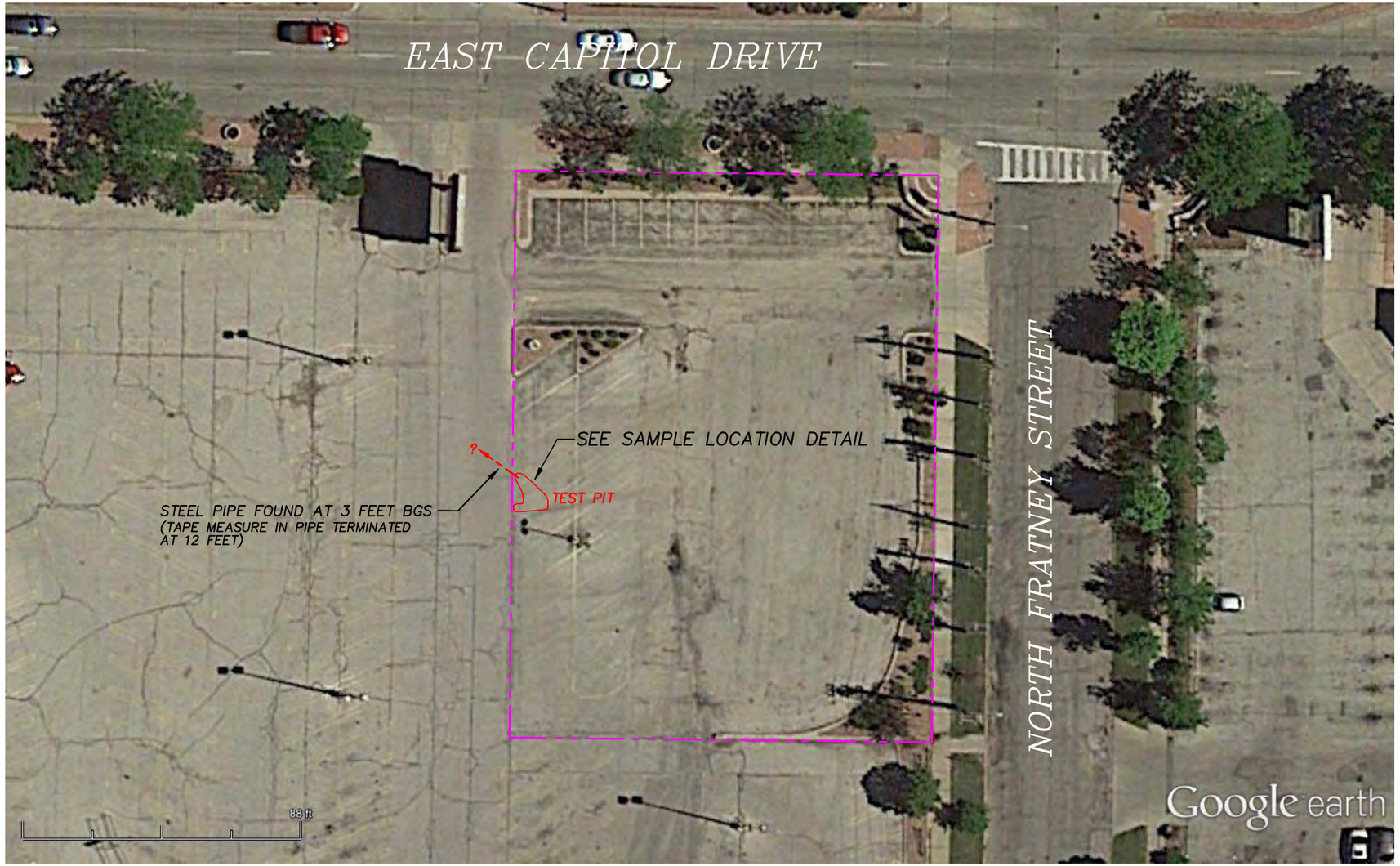
2.2.1 Sampling Activities

On June 27, 2016, Environmental Consulting, Inc. excavated one (1) test pit on the subject property. The test pit was excavated in the location of the suspect UST anomaly identified during the magnetometer survey previously performed by Giles as discussed in Section 1.2 of this report. Figure 2-2 illustrates the approximate location and extent of the test pit excavated as part of these limited Phase II environmental investigation activities. The test pit was excavated to an approximate depth of 10 feet bgs. No UST was encountered in the test pit; however, a horizontal steel pipe was encountered in the northwest portion of the test pit at approximately 3 feet bgs. The pipe lead through the northwest sidewall of the test pit which was located adjacent to the western boundary of the subject property; therefore, prohibiting further exploratory excavation activities. The interior of the pipe was gauged and determined to extend approximately 12 feet off the subject property (see Figure 2-2). A solvent odor was noted in the pipe and in the surrounding soils.

Four (4) soil samples were collected from the base and sidewalls of the test pit excavated on the subject property. The four (4) test pit soil samples denoted as TP1, TP2, TP3 and TP4 were collected using EnCore™ samplers and laboratory-supplied sample jars. The four (4) test pit soil samples were submitted to Test America for analysis of TCL VOCs. The four (4) test pit soil samples were stored in an ice-filled cooler with an ambient air temperature of 4°C until delivery to the laboratory.

2.2.2 Discussion of Results

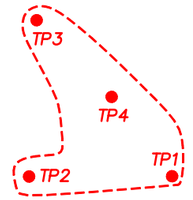
The laboratory analytical results for the four (4) test pit soil samples were reported to be either not detected ("ND") above laboratory method detection limits or less than applicable WDNR standards with the exception of n-butylbenzene; sec-butylbenzene; ethylbenzene; p-isopropyltoluene; naphthalene; trichloroethene ("TCE"); 1,2,4-trimethylbenzene; and 1,3,5-trimethylbenzene. Table 2-2 summarizes the laboratory analytical results for the four (4) test pit soil samples collected on the subject property. A copy of the test pit soil sample laboratory analytical results is included in Appendix D.



Test Pit Soil Sample Laboratory Analytical Results
709 East Capitol Drive
City of Milwaukee, Milwaukee County, Wisconsin 53212
June 27, 2016

Parameters	TP1	TP2	TP3	TP4	WDNR Standards[1]
Sample depth (feet bgs)	4	4	4	10	
n-Butylbenzene	7,200	210,000	120,000	120,000	108,000
sec-Butylbenzene	6,100	190,000	100,000	110,000	145,000
tert-Butylbenzene	490	13,000	6,500	6,400	183,000
1,2-Dichloropropane	110	ND	ND	ND	1,330
Ethylbenzene	570	15,000	7,200	7,800	7,470
Isopropylbenzene	2,200	66,000	34,000	35,000	268,000
p-Isopropyltoluene	6,000	180,000	100,000	110,000	162,000
Methylene Chloride	1,200 B	3,900 J	1,600 J	1,800 J	60,700
Naphthalene	2,900	24,000 B	13,000 B	13,000 B	5,150
N-Propylbenzene	4,800	220,000	120,000	120,000	NS
Tetrachloroethene (PCE)	380	5,500	2,800	3,100	30,700
Toluene	150	1,700 J	880 J	900 J	818,000
Trichloroethene (TCE)	1,100	7,000	2,800	3,400	1,260
1,2,4-Trimethylbenzene	800,000	1,600,000	970,000	1,100,000	89,800
1,3,5-Trimethylbenzene	14,000 B	390,000	230,000	240,000	182,000
Xylenes (total)	5,600	140,000	70,000	74,000	260,000

All values are expressed in units of micrograms per kilogram ("µg/kg").
Only those TCL VOCs detected above laboratory method detection limits are presented in this table.
B denotes that a specific analyte was detected in one or more method blanks at concentrations greater than the reporting limit.
J indicates an estimated concentration which is less than the laboratory reporting limit but greater than or equal to the laboratory method detection limit.
ND denotes not detected above laboratory method detection limits where the method detection limits are less than applicable WDNR standards.
Shaded concentrations denote concentrations detected above WDNR standards.
1. WDNR Standards: Non-Industrial Not-to-Exceed Direct Contact Residual Contaminant Levels ("RCLs"), Chapter NR 720, Soil Cleanup Standards.



TEST PIT SAMPLE LOCATION DETAIL
SCALE: 1"=10'

LEGEND

TP# = TEST PIT SOIL SAMPLE LOCATION AND NUMBER

NOTES:

SITE MAP DERIVED FROM DIGITIZED 2014 GOOGLE EARTH AERIAL PHOTOGRAPH.
SCALE IS APPROXIMATE AS THIS SITE PLAN IS INTENDED FOR ILLUSTRATIVE PURPOSES ONLY.

ENVIRONMENTAL CONSULTING, INC.
2002 RENAISSANCE BOULEVARD
SUITE 110
KING OF PRUSSIA, PENNSYLVANIA 19406

JOB No.	DRAWN BY:	SCALE:	FIGURE No.:
2016.110	ADH	1"=40'	2-2
DATE: 8/8/16	CHECKED BY: SJK		

709-733 EAST CAPITOL DRIVE
MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN 53212

TITLE: TEST PIT LOCATION PLAN

NORTH

Table 2-2

Test Pit Soil Sample Laboratory Analytical Results
709 East Capitol Drive
City of Milwaukee, Milwaukee County, Wisconsin 53212
June 27, 2016

Parameters	TP1	TP2	TP3	TP4	WDNR Standards[1]
Sample depth (feet bgs)	4	4	4	10	
n-Butylbenzene	7,200	210,000	120,000	120,000	108,000
sec-Butylbenzene	6,100	190,000	100,000	110,000	145,000
tert-Butylbenzene	490	13,000	6,500	6,400	183,000
1,2-Dichloropropane	110	ND	ND	ND	1,330
Ethylbenzene	570	15,000	7,200	7,800	7,470
Isopropylbenzene	2,200	66,000	34,000	35,000	268,000
p-Isopropyltoluene	6,000	180,000	100,000	110,000	162,000
Methylene Chloride	1,200 B	3,900 J	1,600 J	1,800 J	60,700
Naphthalene	2,900	24,000 B	13,000 B	13,000 B	5,150
N-Propylbenzene	4,800	220,000	120,000	120,000	NS
Tetrachloroethene (PCE)	380	5,500	2,800	3,100	30,700
Toluene	150	1,700 J	880 J	900 J	818,000
Trichloroethene (TCE)	1,100	7,000	2,800	3,400	1,260
1,2,4-Trimethylbenzene	800,000	1,600,000	970,000	1,100,000	89,800
1,3,5-Trimethylbenzene	14,000 B	390,000	230,000	240,000	182,000
Xylenes (total)	5,600	140,000	70,000	74,000	260,000

All values are expressed in units of micrograms per kilogram ("µg/kg").
Only those TCL VOCs detected above laboratory method detection limits are presented in this table.
B denotes that a specific analyte was detected in one or more method blanks at concentrations greater than the reporting limit.
J indicates an estimated concentration which is less than the laboratory reporting limit but greater than or equal to the laboratory method detection limit.
ND denotes not detected above laboratory method detection limits where the method detection limits are less than applicable WDNR standards.
Shaded concentrations denote concentrations detected above WDNR standards.
1. WDNR Standards: Non-Industrial Not-to-Exceed Direct Contact Residual Contaminant Levels ("RCLs"), Chapter NR 720, Soil Cleanup Standards.

3.0 LIMITED SOIL GAS SAMPLING AND ANALYSIS

3.1 Sampling Activities

On June 27, 2016, Environmental Consulting, Inc. collected three (3) soil gas samples denoted as SG1, SG2 and SG3 on the subject property. The soil gas samples were collected from temporary sampling points advanced through the asphalt pavement on the subject property. Figure 3-1 illustrates the approximate locations of the three (3) soil gas samples collected on the subject property.

The soil gas sampling points were advanced using a track-mounted direct push drilling machine. A six-inch long stainless steel soil gas implant was installed at the invert of each of the three (3) soil borings. One-quarter inch inner diameter poly tubing was attached to the implant and extended up to grade, protruding several feet out of the borehole. A sandpack consisting of #1 size sand was then installed around the soil gas implant within the borehole to a depth of 1 foot bgs. An 8-inch thick bentonite seal was then installed in the remaining annular space to grade and properly hydrated. Once the bentonite had been adequately hydrated, each soil gas sample was collected in laboratory-supplied summa canisters with a one-hour regulator attached to the one-quarter inch inner-diameter poly tubing protruding from each borehole. The three (3) soil gas samples denoted as SG1, SG2 and SG3 were submitted to EMSL in Cinnaminson, New Jersey for analysis of VOCs by the United States Environmental Protection Agency ("USEPA") method TO-15.

3.2 Discussion of Results

The soil gas sample laboratory analytical results were reported to be either not detected ("ND") above laboratory reported detection limits or less than applicable WDNR sub-slab vapor risk screening levels with the exception of 1,2-dichloropropane in the one (1) soil gas sample denoted as SG3. Table 3-1 summarizes the laboratory analytical results for the three (3) soil gas samples collected on the subject property. A copy of the soil gas sample laboratory analytical results is included in Appendix E.

Soil Gas Sample Laboratory Analytical Results
709 East Capitol Drive
City of Milwaukee, Milwaukee County, Wisconsin 53212
June 27, 2016

Parameters	SG1	SG2	SG3	WDNR
Acetone	7,000	9,500	13,000	1,066,666
2-Butanone (MEK)	1,000	560	580	173,333
1,3-Butadiene	22	15	ND	31.3
Chloromethane	11	ND	ND	13,000
Cyclohexane	ND	ND	60	210,000
cis-1,2-Dichloroethene	ND	ND	60	NS
1,2-Dichloropropane	ND	ND	320	93.3
Ethanol	260	230	140	NS
Ethyl Acetate	31	20	18	2,433
Ethylbenzene	60	ND	ND	1,600
4-Ethyltoluene	26	ND	ND	NS
n-Heptane	94	31	38	NS
n-Hexane	36	25	46	24,333
Isopropyl Alcohol	57	86	84	7,000
Propylene	520	290	2,000	103,333
Tetrahydrofuran	870	630	590	NS
Toluene	190	63	36	730,000
1,2,4-Trimethylbenzene	26	ND	ND	1,000
2,2,4-Trimethylpentane	24	ND	25	NS
Xylenes (total)	253	ND	ND	15,000

All values are expressed in units of micrograms per cubic meter ("$\mu g/m^3$").
Only those VOCs detected above laboratory method detection limits are presented in this table.
ND denotes not detected above laboratory method detection limits where the method detection limits are less than applicable WDNR standards.
Shaded concentrations denote concentrations detected above WDNR Sub-Slab Vapor Risk Screening Levels.

1. WDNR Standards: WI Vapor Quick Look-Up Table, Indoor Air Vapor Action Levels and Vapor Risk Screening Levels based on May, 2016 USEPA Regional Screening Level Tables and the USEPA Regional Screening Levels – Generic Table using Sub-slab vapor Attenuation Factor (0.03) for Residential/Small Commercial Buildings.

LEGEND

SG# = SOIL GAS SAMPLE LOCATION AND NUMBER

NOTES:

SITE MAP DERIVED FROM DIGITIZED 2014 GOOGLE EARTH AERIAL PHOTOGRAPH.
SCALE IS APPROXIMATE AS THIS SITE PLAN IS INTENDED FOR ILLUSTRATIVE PURPOSES ONLY.

ECI
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SUITE 110
KING OF PRUSSIA, PENNSYLVANIA 19406

JOB No.	DRAWN BY:	SCALE:	FIGURE No.:
2016.110	ADH	1"=40'	3-1
DATE: 8/8/16	CHECKED BY: SJK		

709-733 EAST CAPITOL DRIVE
MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN 53212

TITLE: SOIL GAS SAMPLE LOCATION PLAN

NORTH

Table 3-1

Soil Gas Sample Laboratory Analytical Results
709 East Capitol Drive
City of Milwaukee, Milwaukee County, Wisconsin 53212
June 27, 2016

Parameters	SG1	SG2	SG3	WDNR
Acetone	7,000	9,500	13,000	1,066,666
2-Butanone (MEK)	1,000	560	580	173,333
1,3-Butadiene	22	15	ND	31.3
Chloromethane	11	ND	ND	13,000
Cyclohexane	ND	ND	60	210,000
cis-1,2-Dichloroethene	ND	ND	60	NS
1,2-Dichloropropane	ND	ND	320	93.3
Ethanol	260	230	140	NS
Ethyl Acetate	31	20	18	2,433
Ethylbenzene	60	ND	ND	1,600
4-Ethyltoluene	26	ND	ND	NS
n-Heptane	94	31	38	NS
n-Hexane	36	25	46	24,333
Isopropyl Alcohol	57	86	84	7,000
Propylene	520	290	2,000	103,333
Tetrahydrofuran	870	630	590	NS
Toluene	190	63	36	730,000
1,2,4-Trimethylbenzene	26	ND	ND	1,000
2,2,4-Trimethylpentane	24	ND	25	NS
Xylenes (total)	253	ND	ND	15,000

All values are expressed in units of micrograms per cubic meter ("$\mu g/m^3$").
Only those VOCs detected above laboratory method detection limits are presented in this table.
ND denotes not detected above laboratory method detection limits where the method detection limits are less than applicable WDNR standards.
Shaded concentrations denote concentrations detected above WDNR Sub-Slab Vapor Risk Screening Levels.

1. WDNR Standards: WI Vapor Quick Look-Up Table, Indoor Air Vapor Action Levels and Vapor Risk Screening Levels based on May, 2016 USEPA Regional Screening Level Tables and the USEPA Regional Screening Levels – Generic Table using Sub-slab vapor Attenuation Factor (0.03) for Residential/Small Commercial Buildings.

4.0 LIMITED GROUNDWATER INVESTIGATION

4.1 Sampling Activities

On June 27, 2016, Environmental Consulting, Inc. installed three (3) temporary groundwater monitoring wells in three (3) of the eight (8) boreholes (i.e., B1, B5 and B7) advanced on the subject property as previously discussed in Section 2.0 of this report. Figure 4-1 illustrates the approximate locations of the four (4) temporary groundwater monitoring wells installed on the subject property as part of these limited Phase II environmental investigation activities.

The three (3) temporary groundwater monitoring wells were constructed of 1-inch diameter, schedule 40, threaded PVC, machine slotted, 0.010-inch slot well screen attached to a 1-inch diameter PVC riser pipe. After allowing adequate time for the three (3) temporary groundwater monitoring wells to fill and stabilize with groundwater, groundwater samples were collected from each of the three (3) temporary groundwater monitoring wells. The three (3) groundwater samples denoted as B1-GW, B5-GW and B7-GW were collected using dedicated disposable polyethylene bailers and laboratory-supplied sample jars. The three (3) groundwater samples denoted as B1-GW, B5-GW and B7-GW were submitted to Test America for analysis of TCL VOCs. The three (3) groundwater samples were stored in an ice-filled cooler with an ambient air temperature of 4°C until delivery to the laboratory.

4.2 Discussion of Results

The groundwater laboratory analytical results were reported to be either not detected ("ND") above laboratory method detection limits or less than WDNR standards with the exception of total trimethylbenzenes (i.e., 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene). Table 4-1 summarizes the laboratory analytical results for the three (3) groundwater samples collected on June 27, 2016. A copy of the groundwater sample laboratory analytical results is included in Appendix F.

Groundwater Laboratory Analytical Results
709 East Capitol Drive
City of Milwaukee, Milwaukee County, Wisconsin 53212
June 27, 2016

Parameters	B1-GW	B5-GW	B7-GW	WDNR Standards[1]	
				Preventative Action Limit	Enforcement Standard
Acetone	5.3 J	9.1 J	8.4 J	1,800	9,000
Benzene	1.3	0.48 J	0.29 J	0.5	5
n-Butylbenzene	74 B	18 B	12	NS	NS
sec-Butylbenzene	88	21	18	NS	NS
tert-Butylbenzene	9.7	2.6	1.4	NS	NS
Carbon Disulfide	0.32 J	0.37 J	0.33 J	200	1,000
Chloroethane	44	ND	ND	80	400
1,2-Dichlorobenzene	0.75 J	ND	ND	60	600
1,1-Dichloroethane	2.1	ND	ND	85	850
cis-1,2-Dichloroethene	0.82 J	ND	3.0	7	70
trans-1,2-Dichloroethene	0.52 J	ND	0.46 J	20	100
1,2-Dichloropropane	0.39 J	0.25 J	25	0.5	5
Ethylbenzene	13	6.0	4.8	140	700
Hexachlorobutadiene	ND	ND	0.38 JB	NS	NS
Isopropylbenzene	40	14	10	NS	NS
p-Isopropyltoluene	86	10	11	NS	NS
4-Methyl-2-Pentanone (MIBK)	1.0 J	ND	ND	50	500
Naphthalene	27	20	6.3	10	100
N-Propylbenzene	170	22	23	NS	NS
Tetrachloroethene (PCE)	ND	ND	0.27 J	0.5	5
Toluene	0.49 JB	0.87 JB	0.44 JB	160	800
Trichloroethene (TCE)	1.0	ND	ND	0.5	5
Trichlorofluoromethane	ND	0.33 J	ND	NS	NS
1,2,4-Trimethylbenzene	1,200	120	140	96 (combined)	480 (combined)
1,3,5-Trimethylbenzene	310	40	36		
Vinyl Chloride	0.55 J	ND	ND	0.02	0.2
Xylenes (total)	24	7.7	1.7 J	400	2,000

All values are expressed in units of micrograms per liter ("µg/L").
Only those TCL VOCs detected above laboratory method detection limits are presented in this table.
B denotes that a specific analyte was detected in one or more method blanks at concentrations greater than the reporting limit.
J indicates an estimated concentration which is less than the laboratory reporting limit but greater than or equal to the laboratory method detection limit.
ND denotes not detected above laboratory method detection limits where the method detection limits are less than applicable WDNR standards.
Shaded concentrations denote concentrations detected above WDNR standards.
1. WDNR Standards: Chapter NR 140, Groundwater Quality, Table 1 – Public Health Groundwater Quality Standards Enforcement Standards (ES) and Preventative Action Limit (PAL).

LEGEND

B#–GW = TEMPORARY GROUNDWATER MONITORING WELL LOCATION AND NUMBER

NOTES:

SITE MAP DERIVED FROM DIGITIZED 2014 GOOGLE EARTH AERIAL PHOTOGRAPH.
SCALE IS APPROXIMATE AS THIS SITE PLAN IS INTENDED FOR ILLUSTRATIVE PURPOSES ONLY.

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KING OF PRUSSIA, PENNSYLVANIA 19406

JOB No.	DRAWN BY:	SCALE:	FIGURE No.:
2016.110	ADH	1"=40'	4–1
DATE: 8/8/16	CHECKED BY: SJK		

709–733 EAST CAPITOL DRIVE
MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN 53212

TITLE: TEMPORARY GROUNDWATER MONITORING WELL LOCATION PLAN

NORTH

Table 4-1

Groundwater Laboratory Analytical Results
709 East Capitol Drive
City of Milwaukee, Milwaukee County, Wisconsin 53212
June 27, 2016

Parameters	B1-GW	B5-GW	B7-GW	WDNR Standards[1]	
				Preventative Action Limit	Enforcement Standard
Acetone	5.3 J	9.1 J	8.4 J	1,800	9,000
Benzene	1.3	0.48 J	0.29 J	0.5	5
n-Butylbenzene	74 B	18 B	12	NS	NS
sec-Butylbenzene	88	21	18	NS	NS
tert-Butylbenzene	9.7	2.6	1.4	NS	NS
Carbon Disulfide	0.32 J	0.37 J	0.33 J	200	1,000
Chloroethane	44	ND	ND	80	400
1,2-Dichlorobenzene	0.75 J	ND	ND	60	600
1,1-Dichloroethane	2.1	ND	ND	85	850
cis-1,2-Dichloroethene	0.82 J	ND	3.0	7	70
trans-1,2-Dichloroethene	0.52 J	ND	0.46 J	20	100
1,2-Dichloropropane	0.39 J	0.25 J	25	0.5	5
Ethylbenzene	13	6.0	4.8	140	700
Hexachlorobutadiene	ND	ND	0.38 JB	NS	NS
Isopropylbenzene	40	14	10	NS	NS
p-Isopropyltoluene	86	10	11	NS	NS
4-Methyl-2-Pentanone (MIBK)	1.0 J	ND	ND	50	500
Naphthalene	27	20	6.3	10	100
N-Propylbenzene	170	22	23	NS	NS
Tetrachloroethene (PCE)	ND	ND	0.27 J	0.5	5
Toluene	0.49 JB	0.87 JB	0.44 JB	160	800
Trichloroethene (TCE)	1.0	ND	ND	0.5	5
Trichlorofluoromethane	ND	0.33 J	ND	NS	NS
1,2,4-Trimethylbenzene	1,200	120	140	96 (combined)	480 (combined)
1,3,5-Trimethylbenzene	310	40	36		
Vinyl Chloride	0.55 J	ND	ND	0.02	0.2
Xylenes (total)	24	7.7	1.7 J	400	2,000

All values are expressed in units of micrograms per liter ("µg/L").
Only those TCL VOCs detected above laboratory method detection limits are presented in this table.
B denotes that a specific analyte was detected in one or more method blanks at concentrations greater than the reporting limit.
J indicates an estimated concentration which is less than the laboratory reporting limit but greater than or equal to the laboratory method detection limit.
ND denotes not detected above laboratory method detection limits where the method detection limits are less than applicable WDNR standards.
Shaded concentrations denote concentrations detected above WDNR standards.
1. WDNR Standards: Chapter NR 140, Groundwater Quality, Table 1 – Public Health Groundwater Quality Standards Enforcement Standards (ES) and Preventative Action Limit (PAL).

5.0 CONCLUSIONS

The test pit investigation activities performed in the location of the suspect UST anomaly identified during the magnetometer survey previously performed by Giles did not encounter the presence of an out-of-service UST. However, a horizontal steel pipe was encountered in the northwest portion of the test pit at approximately 3 feet bgs. The pipe lead through the northwest sidewall of the test pit which was located adjacent to the western boundary of the subject property; therefore, prohibiting further exploratory excavation activities. The interior of the pipe was gauged and determined to extend approximately 12 feet off the subject property. A solvent odor was noted in the pipe and in the surrounding soils. The laboratory analytical results for the four (4) soil samples collected from the one (1) test pit revealed concentrations of the following contaminants above applicable WDNR standards:

- n-butylbenzene;
- sec-butylbenzene;
- ethylbenzene;
- p-isopropyltoluene;
- naphthalene;
- TCE;
- 1,2,4-trimethylbenzene; and
- 1,3,5-trimethylbenzene.

Concentrations of naphthalene and 1,2,4-trimethylbenzene were also detected above their respective WDNR standards in the one (1) soil boring denoted as B2 and 1,2,4-trimethylbenzene was also detected above its WDNR standard in the one (1) soil boring denoted as B3.

The soil gas sample laboratory analytical results were reported to be either not detected ("ND") above laboratory reported detection limits or less than applicable WDNR sub-slab vapor risk screening levels with the exception of 1,2-dichloropropane in the one (1) soil gas sample denoted as SG3.

The groundwater laboratory analytical results were reported to be either not detected ("ND") above laboratory method detection limits or less than WDNR standards with the exception of total trimethylbenzenes (i.e., 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene) in the one (1) temporary groundwater monitoring well sample denoted as B1-GW.

6.0 RECOMMENDATIONS

Based on the conclusions presented in Section 5.0 of this report, Environmental Consulting, Inc. presents the following recommendations in connection with the subject property:

- Develop a site-specific health and safety plan and a soil management plan to properly manage the existing contaminated soil and/or groundwater on the subject property if encountered during construction. In the event that surplus soil is generated during construction activities, the soil management plan will include protocols to characterize and handle the contaminated soil for proper off-site disposal at an approved disposal facility.

- Due to the soil gas sample laboratory analytical results, design and install a sub-slab vapor barrier and vapor collection system for the proposed building on the subject property to preclude exposure to contaminant concentrations for future building occupants through the vapor intrusion into buildings pathway.

7.0 REFERENCES

The following documents, publications and maps were used as reference materials for this report:

1. *Milwaukee, Wisconsin*, USGS, 7.5 minute topographic quadrangle, dated 2016.

2. Phase I Environmental Site Assessment Report, prepared by Environmental Consulting, Inc., August 12, 2016.

3. Phase I Environmental Site Assessment, Giles Engineering Associates, Inc., June 9, 2014.

4. Letter RE: Magnetometer Survey, Giles Engineering Associates, Inc., September 29, 2014.

5. Drinking Water & Groundwater Quality Standards/Advisory Levels, WDNR, March, 2011.

6. Chapter NR 140, Groundwater Quality, WDNR, Register, July, 2015, No. 715.

7. Soil Residual Contaminant Level Determinations Using the USEPA Regional Screening Level Web Calculator, PUB-RR-890, WDNR, January 23, 2014.

8. Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin (RR-800) Update, WDNR, July, 2012.

9. Guidance of Soil Performance Standards, PUB-RR-528, WDNR, January, 2014.

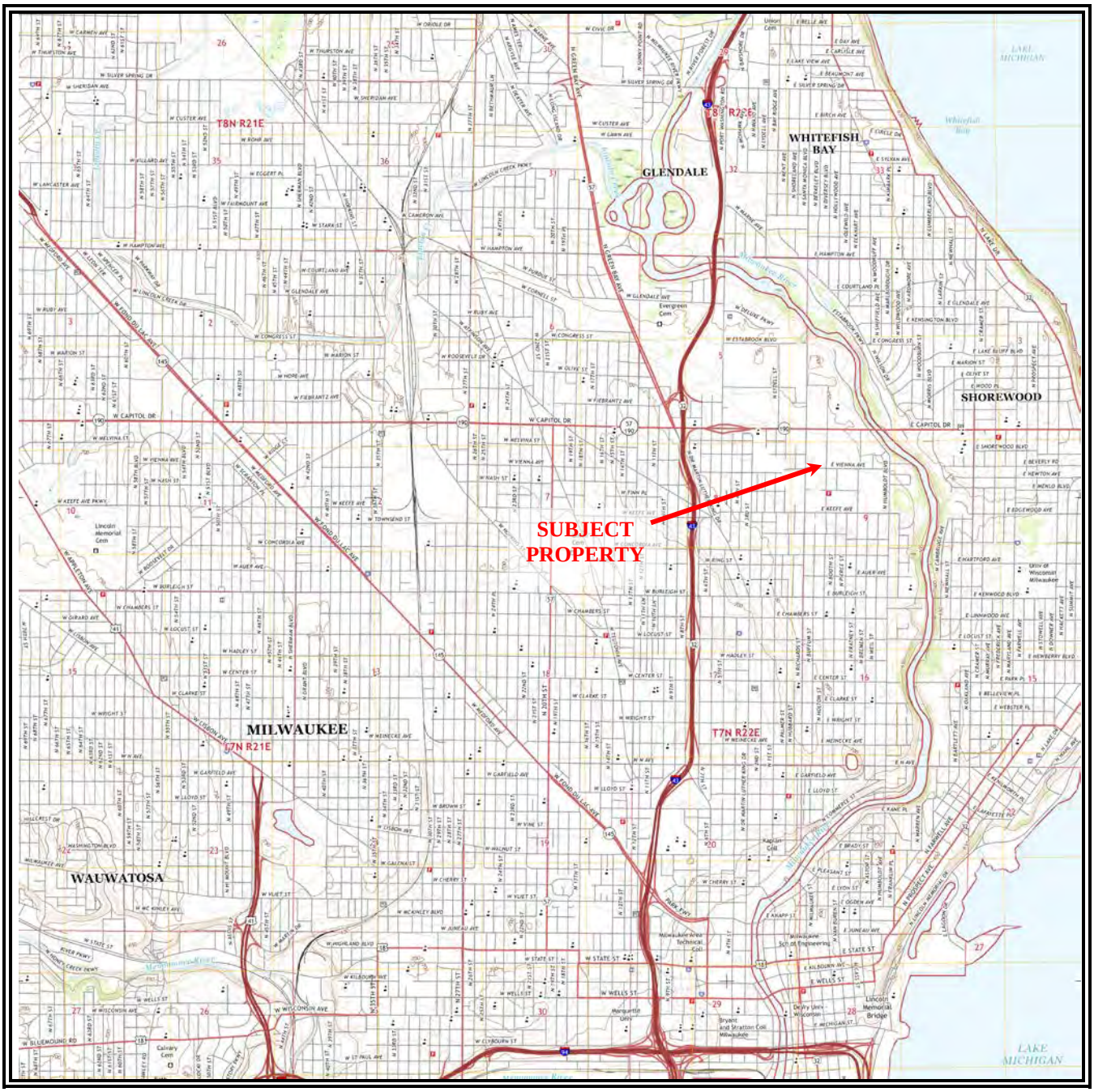
10. WDNR Correspondence/Memorandum RE: Interim Modifications to "Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin (RR-800) Update: Residential Sub-Slab Attenuation Factor and Vapor Risk Screening Levels.

11. Chapter 292, Remedial Action, WDNR, Updated 2013-14 Wis. Stats. Published and certified under s. 35.18, March 24, 2016.

12. Sub-Slab Vapor Sampling Procedures, RR-986, WDNR, July, 2014.

APPENDIX A

PROPERTY LOCATION MAP



709 East Capitol Drive **City of Milwaukee, Milwaukee County, Wisconsin 53212** **Project No. 2016.110**	**PROPERTY LOCATION MAP**	**N**
ENVIRONMENTAL CONSULTING, INC. ***2002 RENAISSANCE BOULEVARD*** ***SUITE 110*** ***KING OF PRUSSIA, PENNSYLVANIA 19406***	**MILWAUKEE, WI** **USGS QUADRANGLE** **2016** **SCALE: UNKNOWN**	

APPENDIX B

SOIL BORING LOGS

Project No: 2016.110

Project: 709 East Capitol Drive

Location: Milwaukee, WI

Date: June 27, 201

Soil Boring: B1

Geologist: RSW

Driller: Horizon

Drill Method: GeoProbe

Checked by: ADH

SUBSURFACE PROFILE

Depth	Symbol	Description	PID Readings	Remarks
0		Ground Surface	0 500 1000 1500 2000	
0		***Asphalt and Gravel***	0.0	
1		***Green-brown Clayey SILT*** little(-) fine gravel	0.0	
2				
3			0.0	
4			0.0	
4		***Green-brown Silty CLAY*** little(-) fine gravel	3.5	
5				
6				
7		***Fine Gravel***	23.5	Sample B1(6.5'-7.5')
8				Chemical odor
9				
10		***Gray Clayey SILT*** little(+) fine gravel	0.4	
11		***Black coarse(+) to fine SAND*** little(-) clayey silt		Saturated at 10-11' bgs
12			58.8	Water on top of clay layer
13		***Gray dense Silty CLAY***		Dry in clay
14				
15		End of Borehole at 15 ft	1.3	Install temp well B1-GW
16				
17				
18				
19				
20				

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Project No: 2016.110

Project: 709 East Capitol Drive

Location: Milwaukee, WI

Date: June 27, 201

Soil Boring: B2

Geologist: RSW

Driller: Horizon

Drill Method: GeoProbe

Checked by: ADH

SUBSURFACE PROFILE

Depth	Symbol	Description	PID Readings	Remarks
0		Ground Surface	0 500 1000 1500 2000	
0		***Asphalt and Gravel***		
1		***Green-brown Clayey SILT*** little(-) fine gravel	0.0	
2			0.0	
3			0.0	
4		***Green-brown Silty CLAY*** little(-) fine gravel	0.0	
5			0.0	
6		***Fine Gravel*** little(+) sand	56.8	Sample B2(5.5'-6.5')
7			23.4	Moist at 7' bgs
8		End of Borehole at 8 ft	23.1	Refusal at 8' bgs
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

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Project No: 2016.110

Project: 709 East Capitol Drive

Location: Milwaukee, WI

Date: June 27, 201

Soil Boring: B3

Geologist: RSW

Driller: Horizon

Drill Method: GeoProbe

Checked by: ADH

SUBSURFACE PROFILE

Depth	Symbol	Description	PID Readings	Remarks
0		Ground Surface	0 500 1000 1500 2000	
0		***Asphalt and Gravel***		
1		***Green-brown Clayey SILT*** little(-) fine gravel	71.3	Sample B3(1'-2')
2				
3			37.5	
4		***Green-brown Silty CLAY*** little(-) fine gravel	35.5	
5			27.6	
6			19.4	
7		***Fine Gravel***	22.4	
8				
9			21.2	
10		***Brown to gray Clayey SILT*** some(+) fine gravel, little(-) coarse to fine sand	1.2	Saturated at 10-11' bgs
11		***Gray coarse(+) to fine SAND*** little(-) clayey silt		
12			1.0	
13			1.2	
14		***Gray Clayey SILT*** some(+) fine gravel, little(-) medium to fine sand		
15			0.2	
16		End of Borehole at 15 ft		
17				
18				
19				
20				

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Project No: 2016.110

Project: 709 East Capitol Drive

Location: Milwaukee, WI

Date: June 27, 201

Soil Boring: B4

Geologist: RSW

Driller: Horizon

Drill Method: GeoProbe

Checked by: ADH

SUBSURFACE PROFILE

Depth	Symbol	Description	PID Readings	Remarks
0		Ground Surface		
0		***Asphalt and Gravel***		
1		***Green-brown Clayey SILT*** little(-) fine gravel	0.0	
2			0.0	
3			0.0	
4		***Green-brown Silty CLAY*** little(-) fine gravel	94.3	Sample B4(4'-5')
5			0.0	
6			0.1	
7		***Fine Gravel***	0.1	
8			0.0	
9		***Brown to gray Clayey SILT*** some(+) fine gravel, little(-) coarse to fine sand	0.1	No groundwater
10			0.0	
11			0.0	
12			0.1	
13		End of Borehole at 13 ft		Refusal at 13' bgs
14				
15				
16				
17				
18				
19				
20				

PID Readings: 0 500 1000 1500 2000

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Project No: 2016.110

Project: 709 East Capitol Drive

Location: Milwaukee, WI

Date: June 27, 201

Soil Boring: B5

Geologist: RSW

Driller: Horizon

Drill Method: GeoProbe

Checked by: ADH

SUBSURFACE PROFILE

Depth	Symbol	Description	PID Readings	Remarks
0		Ground Surface	0	
0		***Asphalt and Gravel***	0.0	
1		***Green-brown Clayey SILT*** little(-) fine gravel	0.0	
2			0.0	
3			0.0	
4		***Green-brown Silty CLAY*** little(-) fine gravel	38.8	Sample B5(4'-5')
5		***Fine Gravel***	0.1	Saturated at 5-6.5' bgs
6		***Gray Clayey SILT*** little(+) fine gravel	0.1	
7			0.1	
8			0.1	
9			0.0	
10		***Black coarse(+) to fine SAND*** little(-) clayey silt	0.1	
11			0.1	
12			0.0	
13		***Gray dense Silty CLAY***	0.0	
14			0.0	
15		End of Borehole at 15 ft		Install temp well B5-GW
16				
17				
18				
19				
20				

PID Readings: 0, 500, 1000, 1500, 2000

ECI
ENVIRONMENTAL CONSULTING, INC.

Environmental Consulting, Inc.
2002 Renaissance Boulevard, Suite 110
King of Prussia, Pennsylvania 19406

Project No: 2016.110

Project: 709 East Capitol Drive

Location: Milwaukee, WI

Date: June 27, 201

Soil Boring: B6

Geologist: RSW

Driller: Horizon

Drill Method: GeoProbe

Checked by: ADH

SUBSURFACE PROFILE

Depth	Symbol	Description	PID Readings	Remarks
0		Ground Surface	0 500 1000 1500 2000	
0		***Asphalt and Gravel***	0.0	
1		***Green-brown Clayey SILT*** little(-) fine gravel	0.0	
2			0.0	
3			0.0	
4		***Green-brown Silty CLAY*** little(-) fine gravel	2.0	
5		***Fine Gravel***	1.2	
6			3.5	
7		***Gray Clayey SILT*** little(+) fine gravel	3.4	Sample B6(7'-8')
8			1.2	
9			1.0	
10		***Black coarse(+) to fine SAND*** little(-) clayey silt	0.5	Saturated at 10-14' bgs
11			0.1	
12			0.0	
13			0.0	
14		***Gray dense Silty CLAY***	0.0	
15		End of Borehole at 15 ft		
16				
17				
18				
19				
20				

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Project No: 2016.110

Project: 709 East Capitol Drive

Location: Milwaukee, WI

Date: June 27, 201

Soil Boring: B7

Geologist: RSW

Driller: Horizon

Drill Method: GeoProbe

Checked by: ADH

SUBSURFACE PROFILE

Depth	Symbol	Description	PID Readings	Remarks
		Ground Surface	0 500 1000 1500 2000	
0		***Asphalt and Gravel***	0.0	
1		***Green-brown Clayey SILT*** little(-) fine gravel	0.3	
2			30.9	
3			33.8	Sample B7(3'-4')
4		***Green-brown Silty CLAY*** little(-) fine gravel	30.0	
5		***Fine Gravel***	0.1	
6		***Gray Clayey SILT*** little(+) fine gravel	0.0	
7			0.1	
8			0.1	
9			0.0	Saturated at 9-11' bgs
10		***Black coarse(+) to fine SAND*** little(-) clayey silt	0.1	Install temp well B7-GW
11		End of Borehole at 11 ft		Refusal at 11' bgs
12				
13				
14				
15				
16				
17				
18				
19				
20				

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2002 Renaissance Boulevard, Suite 110
King of Prussia, Pennsylvania 19406

Project No: 2016.110

Project: 709 East Capitol Drive

Location: Milwaukee, WI

Date: June 27, 201

Soil Boring: B8

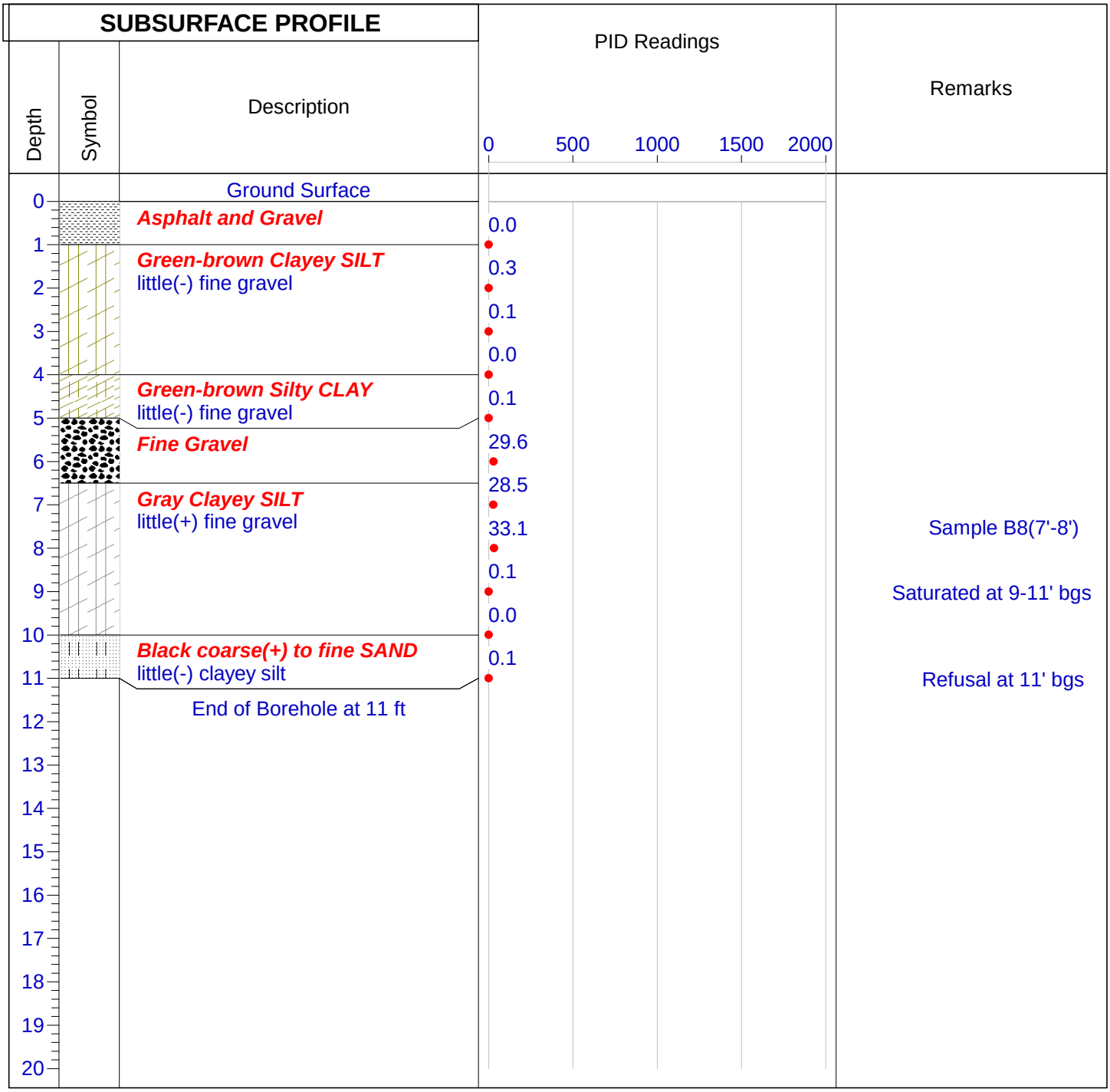
Geologist: RSW

Driller: Horizon

Drill Method: GeoProbe

Checked by: ADH

SUBSURFACE PROFILE



Environmental Consulting, Inc.
2002 Renaissance Boulevard, Suite 110
King of Prussia, Pennsylvania 19406

APPENDIX C

SOIL SAMPLE
LABORATORY ANALYTICAL RESULTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-106667-1
Client Project/Site: 709 E. Capitol Drive, Milwaukee WI

For:
Environmental Consulting
2002 Renaissance Boulevard
Suite 110
King of Prussia, Pennsylvania 19406

Attn: Mr. Richard S Werner

Authorized for release by:
7/12/2016 10:56:28 AM

Marie Meidhof, Project Manager II
(732)549-3900
marie.meidhof@testamericainc.com

Table of Contents

Sample Summary

Client: Environmental Consulting
Project/Site: 709 E. Capitol Drive, Milwaukee WI

TestAmerica Job ID: 490-106667-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-106667-1	B1	Solid	06/27/16 09:02	06/28/16 09:20
490-106667-2	B2	Solid	06/27/16 09:30	06/28/16 09:20
490-106667-3	B3	Solid	06/27/16 09:59	06/28/16 09:20
490-106667-4	B4	Solid	06/27/16 10:22	06/28/16 09:20
490-106667-5	B5	Solid	06/27/16 10:44	06/28/16 09:20
490-106667-6	B6	Solid	06/27/16 11:26	06/28/16 09:20
490-106667-7	B7	Solid	06/27/16 11:59	06/28/16 09:20
490-106667-8	B8	Solid	06/27/16 12:22	06/28/16 09:20

Job ID: 490-106667-1

Laboratory: TestAmerica Nashville

Narrative

CASE NARRATIVE

Client: Environmental Consulting

Project: 709 E. Capitol Drive, Milwaukee WI

Report Number: 490-106667-1

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 Nashville 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 6/28/2016 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.2º C.

Receipt Exceptions

Encores for the following samples were accidently discarded by the laboratory at the time of receipt: B1 (490-106667-1), B2 (490-106667-2), B3 (490-106667-3), B4 (490-106667-4), B5 (490-106667-5), B6 (490-106667-6), B7 (490-106667-7) and B8 (490-106667-8). Volatile sample analysis for these samples were prepared from the intact soil provided in the separate glass jars; please note that this soil volatile preparation took place after the bottles were used for %moisture analysis.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples B1 (490-106667-1), B2 (490-106667-2), B3 (490-106667-3), B4 (490-106667-4), B5 (490-106667-5), B6 (490-106667-6), B7 (490-106667-7) and B8 (490-106667-8) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 07/03/2016, 07/05/2016 and 07/06/2016.

The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 490-352790 recovered outside control limits for the following analyte: Bromomethane. Bromomethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Bromomethane failed the recovery criteria low for LCS and LCSD 490-352790.

Job ID: 490-106667-1 (Continued)

Laboratory: TestAmerica Nashville (Continued)

1,2,4-Trimethylbenzene was detected in method blank MB 490-352341/1-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. 1,3,5-Trimethylbenzene and Methylene Chloride were detected in method blank MB 490-352341/1-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. Refer to the QC report for details.

The method blank for analytical batch 490-352790 contained 1,2,3-Trichlorobenzene and Naphthalene above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-analysis of samples was not performed.

The method blank for analytical batch 490-353124 contained Bromomethane above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for B2 (490-106667-2). 4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for B3 (490-106667-3). 4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for B4 (490-106667-4). 4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for B2MS (490-106667-2MS). 4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for B4MS (490-106667-4MS). 4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for B2MSD (490-106667-2MSD). 4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for B4MSD (490-106667-4MSD). Refer to the QC report for details.

Several analytes failed the recovery criteria high for the matrix spike (MS) and matrix spike duplicate (MSD) of sample B2 (490-106667-2) in batch 490-352491. 1,1,2,2-Tetrachloroethane exceeded the RPD limit.

Several analytes failed the recovery criteria high for the MS and MSD of sample B4 (490-106667-4) in batch 490-352790. Carbon disulfide exceeded the RPD limit.

Refer to the QC report for details.

Samples B2 (490-106667-2)[20X] and B3 (490-106667-3)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following sample was diluted due to the nature of the sample matrix: B6 (490-106667-6). Elevated reporting limits (RLs) are provided.

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

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples B1 (490-106667-1), B2 (490-106667-2), B3 (490-106667-3), B4 (490-106667-4), B5 (490-106667-5), B6 (490-106667-6), B7 (490-106667-7) and B8 (490-106667-8) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared and analyzed on 07/01/2016.

Benzene, Methylene Chloride and Toluene were detected in method blank MB 490-352304/1-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. 1,2,3-Trichlorobenzene and Naphthalene were detected in method blank MB 490-352790/10 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. Bromomethane was detected in method blank MB 490-353124/8 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. Refer to the QC report for details.

4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria low for B2 (490-106667-2). Toluene-d8 (Surr) failed the surrogate recovery criteria high. 4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria low for B3 (490-106667-3). Toluene-d8 (Surr) failed the surrogate recovery criteria high. 4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria low for B4 (490-106667-4). Toluene-d8 (Surr) failed the surrogate recovery criteria high. 4-Bromofluorobenzene (Surr) and Toluene-d8 (Surr) failed the surrogate recovery criteria high for B5 (490-106667-5). 4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for B6 (490-106667-6). 4-Bromofluorobenzene (Surr) and Toluene-d8 (Surr) failed the surrogate recovery criteria high for B7 (490-106667-7). 4-Bromofluorobenzene (Surr) and Toluene-d8 (Surr) failed the surrogate recovery criteria high for B8 (490-106667-8). Refer to the QC

Job ID: 490-106667-1 (Continued)

Laboratory: TestAmerica Nashville (Continued)

report for details.

Methylene Chloride failed the recovery criteria low for the MS and MSD of sample 490-106758-2 in batch 490-352221. Methylene Chloride exceeded the RPD limit.

The presence of the '4' qualifier indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

Internal standard responses were outside of acceptance limits for the following samples: B2 (490-106667-2), B3 (490-106667-3), B4 (490-106667-4), B5 (490-106667-5), B6 (490-106667-6), B7 (490-106667-7) and B8 (490-106667-8). The sample(s) shows evidence of matrix interference.

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

PERCENT SOLIDS

Samples B1 (490-106667-1), B2 (490-106667-2), B3 (490-106667-3), B4 (490-106667-4), B5 (490-106667-5), B6 (490-106667-6), B7 (490-106667-7) and B8 (490-106667-8) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 06/30/2016.

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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits
*	ISTD response or retention time outside acceptable limits
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
E	Result exceeded calibration range.
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.
*	LCS or LCSD is outside acceptance 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
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample ID: B1
Date Collected: 06/27/16 09:02
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106667-1
Matrix: Solid
Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0023	0.00077	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
1,1,1-Trichloroethane	ND		0.0023	0.0011	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
1,1,2,2-Tetrachloroethane	ND		0.0023	0.0011	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
1,1,2-Trichloroethane	ND		0.0057	0.0016	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
1,1-Dichloroethane	ND		0.0023	0.00077	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
1,1-Dichloroethene	ND		0.0023	0.00066	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
1,1-Dichloropropene	ND		0.0023	0.00059	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
1,2,3-Trichlorobenzene	ND		0.0023	0.00044	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
1,2,3-Trichloropropane	ND		0.0023	0.00063	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
1,2,4-Trichlorobenzene	ND		0.0023	0.00077	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
1,2-Dibromo-3-Chloropropane	ND		0.0057	0.00080	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
1,2-Dibromoethane (EDB)	ND		0.0023	0.0011	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
1,2,4-Trimethylbenzene	**2.9**	**B**	0.13	0.064	mg/Kg	☼	07/01/16 11:51	07/03/16 16:29	1
1,2-Dichlorobenzene	**0.013**		0.0023	0.00039	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
1,2-Dichloroethane	ND		0.0023	0.00077	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
1,2-Dichloropropane	ND		0.0023	0.0011	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
1,3,5-Trimethylbenzene	**0.36**		0.0023	0.00086	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
1,3-Dichlorobenzene	ND		0.0023	0.00077	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
1,3-Dichloropropane	ND		0.0023	0.0011	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
1,4-Dichlorobenzene	**0.0026**		0.0023	0.00077	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
2,2-Dichloropropane	ND		0.0023	0.00077	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
2-Butanone (MEK)	**0.012**	**J**	0.057	0.0059	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
2-Chlorotoluene	ND		0.0023	0.0010	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
2-Hexanone	ND		0.057	0.019	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
4-Chlorotoluene	ND		0.0023	0.00097	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
4-Methyl-2-pentanone (MIBK)	ND		0.057	0.0022	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Acetone	**0.11**		0.057	0.0097	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Benzene	**0.0048**	**B**	0.0023	0.00077	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Bromobenzene	ND		0.0023	0.00083	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Bromochloromethane	ND		0.0023	0.00063	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Bromodichloromethane	ND		0.0023	0.00063	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Bromoform	ND		0.0023	0.00063	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Bromomethane	ND		0.0023	0.0014	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Carbon disulfide	ND		0.0057	0.0041	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Carbon tetrachloride	ND		0.0023	0.00077	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Chlorobenzene	ND		0.0023	0.00077	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Chlorodibromomethane	ND		0.0023	0.00039	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Chloroethane	ND		0.0057	0.0022	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Chloroform	ND		0.0023	0.00077	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Chloromethane	ND		0.0023	0.00077	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
cis-1,2-Dichloroethene	ND		0.0023	0.00077	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
cis-1,3-Dichloropropene	ND		0.0023	0.00077	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Dibromomethane	ND		0.0023	0.00064	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Dichlorodifluoromethane	ND		0.0023	0.0011	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Ethylbenzene	**0.019**		0.0023	0.00077	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Hexachlorobutadiene	ND		0.0057	0.0013	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Isopropylbenzene	**0.13**		0.0023	0.00047	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Methyl tert-butyl ether	ND		0.0023	0.0011	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Methylene Chloride	**0.64**	**B**	0.64	0.064	mg/Kg	☼	07/01/16 11:51	07/03/16 16:29	1

Client Sample ID: B1
Date Collected: 06/27/16 09:02
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106667-1
Matrix: Solid
Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.12		0.0057	0.0020	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
N-Propylbenzene	0.41		0.0023	0.00077	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
p-Isopropyltoluene	0.23		0.0023	0.00077	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
sec-Butylbenzene	0.44		0.0023	0.00077	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Styrene	ND		0.0023	0.0013	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
tert-Butylbenzene	0.044		0.0023	0.0010	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Tetrachloroethene	ND		0.0023	0.00084	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Toluene	0.011	B	0.0023	0.00085	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
trans-1,2-Dichloroethene	ND		0.0023	0.00077	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
trans-1,3-Dichloropropene	ND		0.0023	0.00077	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Trichloroethene	ND		0.0023	0.0011	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Trichlorofluoromethane	ND		0.0023	0.0011	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
Vinyl chloride	ND		0.0023	0.0013	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1
n-Butylbenzene	1.3		0.13	0.064	mg/Kg	☼	07/01/16 11:51	07/03/16 16:29	1
Xylenes, Total	0.027		0.0069	0.0014	mg/Kg	☼	07/01/16 11:52	07/01/16 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*	*07/01/16 11:52*	*07/01/16 14:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*07/01/16 11:51*	*07/03/16 16:29*	*1*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*07/01/16 11:52*	*07/01/16 14:11*	*1*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/01/16 11:51*	*07/03/16 16:29*	*1*
Dibromofluoromethane (Surr)	*106*		*70 - 130*	*07/01/16 11:52*	*07/01/16 14:11*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*	*07/01/16 11:51*	*07/03/16 16:29*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*07/01/16 11:51*	*07/03/16 16:29*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*	*07/01/16 11:52*	*07/01/16 14:11*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14.4		0.1	0.1	%			06/30/16 10:00	1
Percent Solids	85.6		0.1	0.1	%			06/30/16 10:00	1

Client Sample ID: B2
Date Collected: 06/27/16 09:30
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106667-2
Matrix: Solid
Percent Solids: 82.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**2.3**		0.13	0.044	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
1,1,1-Trichloroethane	ND		0.0021	0.00097	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1
Styrene	ND		0.13	0.071	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
Bromobenzene	ND	F1	0.13	0.046	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
1,1,1,2-Tetrachloroethane	ND		0.13	0.044	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
1,1-Dichloroethane	**0.090**		0.0021	0.00070	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1
1,1,2,2-Tetrachloroethane	ND	F1 F2	0.13	0.065	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
1,1-Dichloroethene	ND		0.0021	0.00060	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1
1,1,2-Trichloroethane	ND	F1	0.32	0.090	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
1,1-Dichloropropene	ND		0.0021	0.00053	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1
1,2,3-Trichlorobenzene	ND		0.13	0.025	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
1,2,3-Trichloropropane	ND	F1	0.13	0.036	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
1,2,4-Trichlorobenzene	ND		0.13	0.044	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
1,2,4-Trimethylbenzene	**440**		2.6	1.3	mg/Kg	☼	07/01/16 11:51	07/05/16 19:19	20
1,2-Dibromo-3-Chloropropane	ND		0.32	0.045	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
1,2-Dichloroethane	**0.0082**		0.0021	0.00070	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1
1,2-Dibromoethane (EDB)	ND		0.13	0.065	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
1,2-Dichlorobenzene	ND		0.13	0.022	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
1,2-Dichloropropane	**0.057**		0.0021	0.00099	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1
1,3,5-Trimethylbenzene	**140**		2.6	0.98	mg/Kg	☼	07/01/16 11:51	07/05/16 19:19	20
1,3-Dichlorobenzene	ND		0.13	0.044	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
2,2-Dichloropropane	ND		0.0021	0.00070	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1
1,3-Dichloropropane	ND		0.13	0.061	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
2-Butanone (MEK)	**0.017**	**J**	0.052	0.0053	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1
1,4-Dichlorobenzene	ND		0.13	0.061	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
2-Chlorotoluene	ND	F1	0.13	0.059	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
2-Hexanone	**1.6**	**J**	3.2	1.1	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
Acetone	**0.11**		0.052	0.0088	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1
4-Chlorotoluene	ND	F1	0.13	0.054	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
Benzene	**0.011**	**B**	0.0021	0.00070	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1
4-Methyl-2-pentanone (MIBK)	ND		3.2	1.1	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
Bromochloromethane	ND		0.0021	0.00058	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1
Bromodichloromethane	ND		0.0021	0.00058	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1
Bromomethane	ND		0.0021	0.0013	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1
Bromoform	ND		0.13	0.036	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
Carbon disulfide	**0.0050**	**J**	0.0052	0.0038	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1
Carbon tetrachloride	ND		0.0021	0.00070	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1
Chlorobenzene	ND		0.13	0.044	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
Chloroethane	ND		0.0052	0.0020	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1
Chlorodibromomethane	ND		0.13	0.022	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
Chloroform	**0.0019**	**J**	0.0021	0.00070	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1
Chloromethane	ND		0.0021	0.00070	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1
cis-1,2-Dichloroethene	**0.0040**		0.0021	0.00070	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1
cis-1,3-Dichloropropene	ND		0.13	0.044	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
Dibromomethane	ND		0.0021	0.00059	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1
Dichlorodifluoromethane	ND		0.0021	0.0010	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1
Hexachlorobutadiene	ND		0.32	0.071	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
Isopropylbenzene	**8.3**	**F1**	0.13	0.027	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
Methyl tert-butyl ether	ND		0.0021	0.0010	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1

Client: Environmental Consulting
Project/Site: 709 E. Capitol Drive, Milwaukee WI

TestAmerica Job ID: 490-106667-1

Client Sample ID: B2
Date Collected: 06/27/16 09:30
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106667-2
Matrix: Solid
Percent Solids: 82.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	2.2	B	0.65	0.065	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
Naphthalene	8.7		0.32	0.11	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
N-Propylbenzene	18		0.13	0.044	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
p-Isopropyltoluene	17		0.13	0.044	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
sec-Butylbenzene	19		0.13	0.044	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
tert-Butylbenzene	1.8		0.13	0.065	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
Tetrachloroethene	0.70		0.13	0.044	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
Toluene	0.098	J	0.13	0.048	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
trans-1,3-Dichloropropene	ND		0.13	0.044	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
trans-1,2-Dichloroethene	ND		0.0021	0.00070	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1
Trichloroethene	0.17		0.0021	0.0010	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1
Trichlorofluoromethane	ND		0.0021	0.0010	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1
Xylenes, Total	11		0.19	0.080	mg/Kg	☼	07/01/16 11:51	07/03/16 18:19	1
Vinyl chloride	ND		0.0021	0.0012	mg/Kg	☼	07/01/16 11:52	07/01/16 15:34	1
n-Butylbenzene	60		2.6	1.3	mg/Kg	☼	07/01/16 11:51	07/05/16 19:19	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*70 - 130*	*07/01/16 11:52*	*07/01/16 15:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*	*07/01/16 11:51*	*07/03/16 18:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*	*07/01/16 11:51*	*07/05/16 19:19*	*20*
4-Bromofluorobenzene (Surr)	*0*	*X*	*70 - 130*	*07/01/16 11:52*	*07/01/16 15:34*	*1*
4-Bromofluorobenzene (Surr)	*252*	*X*	*70 - 130*	*07/01/16 11:51*	*07/03/16 18:19*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*07/01/16 11:51*	*07/05/16 19:19*	*20*
Dibromofluoromethane (Surr)	*129*		*70 - 130*	*07/01/16 11:52*	*07/01/16 15:34*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*07/01/16 11:51*	*07/03/16 18:19*	*1*
Dibromofluoromethane (Surr)	*114*		*70 - 130*	*07/01/16 11:51*	*07/05/16 19:19*	*20*
Toluene-d8 (Surr)	*105*		*70 - 130*	*07/01/16 11:51*	*07/03/16 18:19*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*	*07/01/16 11:51*	*07/05/16 19:19*	*20*
Toluene-d8 (Surr)	*642*	*X **	*70 - 130*	*07/01/16 11:52*	*07/01/16 15:34*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17.8		0.1	0.1	%			06/30/16 10:00	1
Percent Solids	82.2		0.1	0.1	%			06/30/16 10:00	1

Client Sample ID: B3

Date Collected: 06/27/16 09:59
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106667-3

Matrix: Solid
Percent Solids: 86.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**0.83**		0.12	0.041	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
1,1,1-Trichloroethane	ND		0.0021	0.00098	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1
Styrene	ND		0.12	0.066	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
Bromobenzene	ND		0.12	0.043	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
1,1,1,2-Tetrachloroethane	ND		0.12	0.041	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
1,1-Dichloroethane	**0.0029**		0.0021	0.00072	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1
1,1,2,2-Tetrachloroethane	ND		0.12	0.060	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
1,1-Dichloroethene	ND		0.0021	0.00061	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1
1,1,2-Trichloroethane	ND		0.30	0.084	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
1,1-Dichloropropene	ND		0.0021	0.00055	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1
1,2,3-Trichlorobenzene	ND		0.12	0.023	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
1,2,3-Trichloropropane	ND		0.12	0.034	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
1,2,4-Trichlorobenzene	ND		0.12	0.041	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
1,2,4-Trimethylbenzene	**340**		2.4	1.2	mg/Kg	☼	07/01/16 11:51	07/05/16 18:50	20
1,2-Dibromo-3-Chloropropane	ND		0.30	0.042	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
1,2-Dichloroethane	ND		0.0021	0.00072	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1
1,2-Dibromoethane (EDB)	ND		0.12	0.060	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
1,2-Dichlorobenzene	**0.32**		0.12	0.020	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
1,2-Dichloropropane	**0.017**		0.0021	0.0010	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1
1,3,5-Trimethylbenzene	**85**		2.4	0.91	mg/Kg	☼	07/01/16 11:51	07/05/16 18:50	20
1,3-Dichlorobenzene	ND		0.12	0.041	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
2,2-Dichloropropane	ND		0.0021	0.00072	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1
1,3-Dichloropropane	ND		0.12	0.056	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
2-Butanone (MEK)	**0.016**	**J**	0.054	0.0055	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1
1,4-Dichlorobenzene	ND		0.12	0.056	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
2-Chlorotoluene	ND		0.12	0.055	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
2-Hexanone	ND		3.0	1.0	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
Acetone	**0.13**		0.054	0.0090	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1
4-Chlorotoluene	ND		0.12	0.050	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
Benzene	**0.012**	**B**	0.0021	0.00072	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1
4-Methyl-2-pentanone (MIBK)	ND		3.0	1.0	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
Bromochloromethane	ND		0.0021	0.00059	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1
Bromodichloromethane	ND		0.0021	0.00059	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1
Bromomethane	ND		0.0021	0.0013	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1
Bromoform	ND		0.12	0.034	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
Carbon disulfide	**0.0069**		0.0054	0.0039	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1
Carbon tetrachloride	ND		0.0021	0.00072	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1
Chlorobenzene	ND		0.12	0.041	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
Chloroethane	ND		0.0054	0.0020	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1
Chlorodibromomethane	ND		0.12	0.020	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
Chloroform	ND		0.0021	0.00072	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1
Chloromethane	ND		0.0021	0.00072	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1
cis-1,2-Dichloroethene	**0.015**		0.0021	0.00072	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1
cis-1,3-Dichloropropene	ND		0.12	0.041	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
Dibromomethane	ND		0.0021	0.00060	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1
Dichlorodifluoromethane	ND		0.0021	0.0011	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1
Hexachlorobutadiene	ND		0.30	0.066	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
Isopropylbenzene	**7.5**		0.12	0.025	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
Methyl tert-butyl ether	ND		0.0021	0.0010	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1

Client Sample ID: B3
Date Collected: 06/27/16 09:59
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106667-3
Matrix: Solid
Percent Solids: 86.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.5	B	0.60	0.060	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
Naphthalene	1.5		0.30	0.10	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
N-Propylbenzene	23		0.12	0.041	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
p-Isopropyltoluene	18		0.12	0.041	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
sec-Butylbenzene	19		0.12	0.041	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
tert-Butylbenzene	2.3		0.12	0.060	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
Tetrachloroethene	2.6		0.12	0.041	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
Toluene	0.086	J	0.12	0.044	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
trans-1,3-Dichloropropene	ND		0.12	0.041	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
trans-1,2-Dichloroethene	ND		0.0021	0.00072	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1
Trichloroethene	0.42		0.0021	0.0010	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1
Trichlorofluoromethane	ND		0.0021	0.0011	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1
Xylenes, Total	6.8		0.18	0.074	mg/Kg	☼	07/01/16 11:51	07/03/16 16:57	1
Vinyl chloride	ND		0.0021	0.0012	mg/Kg	☼	07/01/16 11:52	07/01/16 14:39	1
n-Butylbenzene	31		2.4	1.2	mg/Kg	☼	07/01/16 11:51	07/05/16 18:50	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*	*07/01/16 11:52*	*07/01/16 14:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*	*07/01/16 11:51*	*07/03/16 16:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 130*	*07/01/16 11:51*	*07/05/16 18:50*	*20*
4-Bromofluorobenzene (Surr)	*0*	*X **	*70 - 130*	*07/01/16 11:52*	*07/01/16 14:39*	*1*
4-Bromofluorobenzene (Surr)	*271*	*X*	*70 - 130*	*07/01/16 11:51*	*07/03/16 16:57*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*07/01/16 11:51*	*07/05/16 18:50*	*20*
Dibromofluoromethane (Surr)	*119*		*70 - 130*	*07/01/16 11:52*	*07/01/16 14:39*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*	*07/01/16 11:51*	*07/03/16 16:57*	*1*
Dibromofluoromethane (Surr)	*113*		*70 - 130*	*07/01/16 11:51*	*07/05/16 18:50*	*20*
Toluene-d8 (Surr)	*103*		*70 - 130*	*07/01/16 11:51*	*07/03/16 16:57*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*07/01/16 11:51*	*07/05/16 18:50*	*20*
Toluene-d8 (Surr)	*133*	*X **	*70 - 130*	*07/01/16 11:52*	*07/01/16 14:39*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13.3		0.1	0.1	%			06/30/16 10:00	1
Percent Solids	86.7		0.1	0.1	%			06/30/16 10:00	1

Client Sample ID: B4
Date Collected: 06/27/16 10:22
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106667-4
Matrix: Solid
Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**1.6**		0.12	0.039	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
1,1,1-Trichloroethane	ND		0.0022	0.0010	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
Styrene	ND		0.12	0.064	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
Bromobenzene	ND		0.12	0.042	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
1,1,1,2-Tetrachloroethane	ND		0.12	0.039	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
1,1-Dichloroethane	ND		0.0022	0.00073	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
1,1,2,2-Tetrachloroethane	ND	F1	0.12	0.058	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
1,1-Dichloroethene	ND		0.0022	0.00062	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
1,1,2-Trichloroethane	ND	F1	0.29	0.081	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
1,1-Dichloropropene	ND		0.0022	0.00056	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
1,2,3-Trichlorobenzene	ND		0.12	0.022	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
1,2,3-Trichloropropane	ND		0.12	0.032	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
1,2,4-Trichlorobenzene	ND		0.12	0.039	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
1,2,4-Trimethylbenzene	**0.43**		0.12	0.058	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
1,2-Dibromo-3-Chloropropane	ND		0.29	0.041	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
1,2-Dichloroethane	ND		0.0022	0.00073	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
1,2-Dibromoethane (EDB)	ND		0.12	0.058	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
1,2-Dichlorobenzene	ND		0.12	0.020	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
1,2-Dichloropropane	**0.024**		0.0022	0.0010	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
1,3,5-Trimethylbenzene	**1.2**	**F1**	0.12	0.044	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
1,3-Dichlorobenzene	ND		0.12	0.039	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
2,2-Dichloropropane	ND		0.0022	0.00073	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
1,3-Dichloropropane	ND		0.12	0.055	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
2-Butanone (MEK)	**0.020**	**J**	0.055	0.0056	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
1,4-Dichlorobenzene	ND		0.12	0.055	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
2-Chlorotoluene	ND	F1	0.12	0.053	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
2-Hexanone	ND		2.9	0.97	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
Acetone	**0.12**		0.055	0.0092	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
4-Chlorotoluene	ND	F1	0.12	0.049	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
Benzene	**0.014**	**B**	0.0022	0.00073	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
4-Methyl-2-pentanone (MIBK)	ND		2.9	0.99	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
Bromochloromethane	ND		0.0022	0.00060	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
Bromodichloromethane	ND		0.0022	0.00060	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
Bromomethane	ND		0.0022	0.0013	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
Bromoform	ND		0.12	0.032	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
Carbon disulfide	ND		0.0055	0.0039	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
Carbon tetrachloride	ND		0.0022	0.00073	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
Chlorobenzene	ND		0.12	0.039	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
Chloroethane	ND		0.0055	0.0021	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
Chlorodibromomethane	ND		0.12	0.020	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
Chloroform	ND		0.0022	0.00073	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
Chloromethane	ND		0.0022	0.00073	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
cis-1,2-Dichloroethene	ND		0.0022	0.00073	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
cis-1,3-Dichloropropene	ND		0.12	0.039	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
Dibromomethane	ND		0.0022	0.00061	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
Dichlorodifluoromethane	ND		0.0022	0.0011	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
Hexachlorobutadiene	ND		0.29	0.064	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
Isopropylbenzene	**4.9**		0.12	0.024	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
Methyl tert-butyl ether	ND		0.0022	0.0011	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1

Client Sample ID: B4
Date Collected: 06/27/16 10:22
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106667-4
Matrix: Solid
Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	**0.22**	**B**	0.011	0.00094	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
Naphthalene	**4.3**	**B F1**	0.29	0.099	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
N-Propylbenzene	**11**	**F1**	0.12	0.039	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
p-Isopropyltoluene	**0.43**	**F1**	0.12	0.039	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
sec-Butylbenzene	**11**	**F1**	0.12	0.039	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
tert-Butylbenzene	**0.94**		0.12	0.058	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
Tetrachloroethene	ND		0.12	0.039	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
Toluene	ND		0.12	0.043	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
trans-1,3-Dichloropropene	ND		0.12	0.039	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
trans-1,2-Dichloroethene	ND		0.0022	0.00073	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
Trichloroethene	ND		0.0022	0.0011	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
Trichlorofluoromethane	ND		0.0022	0.0011	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
Xylenes, Total	ND		0.17	0.072	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1
Vinyl chloride	ND		0.0022	0.0012	mg/Kg	☼	07/01/16 11:52	07/01/16 16:01	1
n-Butylbenzene	**13**		0.12	0.058	mg/Kg	☼	07/01/16 11:51	07/05/16 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 130*	*07/01/16 11:52*	*07/01/16 16:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*	*07/01/16 11:51*	*07/05/16 17:51*	*1*
4-Bromofluorobenzene (Surr)	*NaN*		*70 - 130*	*07/01/16 11:52*	*07/01/16 16:01*	*1*
4-Bromofluorobenzene (Surr)	*146*	*X*	*70 - 130*	*07/01/16 11:51*	*07/05/16 17:51*	*1*
Dibromofluoromethane (Surr)	*107*		*70 - 130*	*07/01/16 11:52*	*07/01/16 16:01*	*1*
Dibromofluoromethane (Surr)	*107*		*70 - 130*	*07/01/16 11:51*	*07/05/16 17:51*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*07/01/16 11:51*	*07/05/16 17:51*	*1*
Toluene-d8 (Surr)	*299*	*X **	*70 - 130*	*07/01/16 11:52*	*07/01/16 16:01*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.2**		0.1	0.1	%			06/30/16 10:00	1
Percent Solids	**88.8**		0.1	0.1	%			06/30/16 10:00	1

Client Sample ID: B5
Date Collected: 06/27/16 10:44
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106667-5
Matrix: Solid
Percent Solids: 87.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**0.51**		0.12	0.041	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
1,1,1-Trichloroethane	ND		0.0020	0.00094	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
Styrene	ND		0.12	0.067	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
Bromobenzene	ND		0.12	0.044	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
1,1,1,2-Tetrachloroethane	ND		0.12	0.041	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
1,1-Dichloroethane	ND		0.0020	0.00068	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
1,1,2,2-Tetrachloroethane	ND		0.12	0.061	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
1,1-Dichloroethene	ND		0.0020	0.00058	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
1,1,2-Trichloroethane	ND		0.30	0.085	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
1,1-Dichloropropene	ND		0.0020	0.00052	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
1,2,3-Trichlorobenzene	ND		0.12	0.023	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
1,2,3-Trichloropropane	ND		0.12	0.034	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
1,2,4-Trichlorobenzene	ND		0.12	0.041	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
1,2,4-Trimethylbenzene	**0.090**	**J**	0.12	0.061	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
1,2-Dibromo-3-Chloropropane	ND		0.30	0.042	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
1,2-Dichloroethane	ND		0.0020	0.00068	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
1,2-Dibromoethane (EDB)	ND		0.12	0.061	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
1,2-Dichlorobenzene	ND		0.12	0.021	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
1,2-Dichloropropane	ND		0.0020	0.00096	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
1,3,5-Trimethylbenzene	**0.049**	**J**	0.12	0.046	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
1,3-Dichlorobenzene	ND		0.12	0.041	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
2,2-Dichloropropane	ND		0.0020	0.00068	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
1,3-Dichloropropane	ND		0.12	0.057	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
2-Butanone (MEK)	**0.016**	**J**	0.051	0.0052	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
1,4-Dichlorobenzene	ND		0.12	0.057	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
2-Chlorotoluene	ND		0.12	0.056	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
2-Hexanone	ND		3.0	1.0	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
Acetone	**0.094**		0.051	0.0086	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
4-Chlorotoluene	ND		0.12	0.051	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
Benzene	**0.0069**	**B**	0.0020	0.00068	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
4-Methyl-2-pentanone (MIBK)	ND		3.0	1.0	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
Bromochloromethane	ND		0.0020	0.00056	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
Bromodichloromethane	ND		0.0020	0.00056	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
Bromomethane	ND		0.0020	0.0012	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
Bromoform	ND		0.12	0.034	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
Carbon disulfide	ND		0.0051	0.0037	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
Carbon tetrachloride	ND		0.0020	0.00068	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
Chlorobenzene	ND		0.12	0.041	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
Chloroethane	ND		0.0051	0.0019	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
Chlorodibromomethane	ND		0.12	0.021	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
Chloroform	ND		0.0020	0.00068	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
Chloromethane	ND		0.0020	0.00068	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
cis-1,2-Dichloroethene	ND		0.0020	0.00068	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
cis-1,3-Dichloropropene	ND		0.12	0.041	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
Dibromomethane	ND		0.0020	0.00057	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
Dichlorodifluoromethane	ND		0.0020	0.0010	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
Hexachlorobutadiene	ND		0.30	0.067	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
Isopropylbenzene	**2.5**		0.12	0.025	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
Methyl tert-butyl ether	ND		0.0020	0.00098	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1

Client: Environmental Consulting
Project/Site: 709 E. Capitol Drive, Milwaukee WI

TestAmerica Job ID: 490-106667-1

Client Sample ID: B5
Date Collected: 06/27/16 10:44
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106667-5
Matrix: Solid
Percent Solids: 87.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	**0.37**	**B**	0.010	0.00088	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
Naphthalene	**4.8**	**B**	0.30	0.10	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
N-Propylbenzene	**5.5**		0.12	0.041	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
p-Isopropyltoluene	**0.23**		0.12	0.041	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
sec-Butylbenzene	**7.2**		0.12	0.041	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
tert-Butylbenzene	**0.55**		0.12	0.061	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
Tetrachloroethene	ND		0.12	0.041	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
Toluene	ND		0.12	0.045	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
trans-1,3-Dichloropropene	ND		0.12	0.041	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
trans-1,2-Dichloroethene	ND		0.0020	0.00068	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
Trichloroethene	ND		0.0020	0.00098	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
Trichlorofluoromethane	ND		0.0020	0.0010	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
Xylenes, Total	ND		0.18	0.075	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1
Vinyl chloride	ND		0.0020	0.0011	mg/Kg	☼	07/01/16 11:52	07/01/16 16:29	1
n-Butylbenzene	**7.6**		0.12	0.061	mg/Kg	☼	07/01/16 11:51	07/05/16 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*	*07/01/16 11:52*	*07/01/16 16:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*	*07/01/16 11:51*	*07/05/16 18:20*	*1*
4-Bromofluorobenzene (Surr)	*2007866*	** X*	*70 - 130*	*07/01/16 11:52*	*07/01/16 16:29*	*1*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*07/01/16 11:51*	*07/05/16 18:20*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*	*07/01/16 11:52*	*07/01/16 16:29*	*1*
Dibromofluoromethane (Surr)	*110*		*70 - 130*	*07/01/16 11:51*	*07/05/16 18:20*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*	*07/01/16 11:51*	*07/05/16 18:20*	*1*
Toluene-d8 (Surr)	*110585*	*X **	*70 - 130*	*07/01/16 11:52*	*07/01/16 16:29*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.5**		0.1	0.1	%			06/30/16 10:00	1
Percent Solids	**87.5**		0.1	0.1	%			06/30/16 10:00	1

Client Sample ID: B6
Date Collected: 06/27/16 11:26
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106667-6
Matrix: Solid
Percent Solids: 92.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.11	0.037	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
1,1,1-Trichloroethane	ND		0.0021	0.00097	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1
Styrene	ND		0.11	0.059	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
Bromobenzene	ND		0.11	0.039	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
1,1,1,2-Tetrachloroethane	ND		0.11	0.037	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
1,1-Dichloroethane	ND		0.0021	0.00071	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1
1,1,2,2-Tetrachloroethane	ND		0.11	0.054	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
1,1-Dichloroethene	ND		0.0021	0.00060	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1
1,1,2-Trichloroethane	ND		0.27	0.075	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
1,1-Dichloropropene	ND		0.0021	0.00054	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1
1,2,3-Trichlorobenzene	ND		0.11	0.020	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
1,2,3-Trichloropropane	ND		0.11	0.030	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
1,2,4-Trichlorobenzene	ND		0.11	0.037	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
1,2,4-Trimethylbenzene	**0.089**	**J**	0.11	0.054	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
1,2-Dibromo-3-Chloropropane	ND		0.27	0.038	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
1,2-Dichloroethane	ND		0.0021	0.00071	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1
1,2-Dibromoethane (EDB)	ND		0.11	0.054	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
1,2-Dichlorobenzene	ND		0.11	0.018	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
1,2-Dichloropropane	**0.0035**		0.0021	0.00099	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1
1,3,5-Trimethylbenzene	ND		0.11	0.041	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
1,3-Dichlorobenzene	ND		0.11	0.037	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
2,2-Dichloropropane	ND		0.0021	0.00071	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1
1,3-Dichloropropane	ND		0.11	0.051	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
2-Butanone (MEK)	**0.0069**	**J**	0.053	0.0054	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1
1,4-Dichlorobenzene	ND		0.11	0.051	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
2-Chlorotoluene	ND		0.11	0.050	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
2-Hexanone	ND		2.7	0.91	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
Acetone	**0.078**		0.053	0.0089	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1
4-Chlorotoluene	ND		0.11	0.045	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
Benzene	**0.0087**	**B**	0.0021	0.00071	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1
4-Methyl-2-pentanone (MIBK)	ND		2.7	0.92	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
Bromochloromethane	ND		0.0021	0.00058	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1
Bromodichloromethane	ND		0.0021	0.00058	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1
Bromomethane	ND		0.0021	0.0013	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1
Bromoform	ND		0.11	0.030	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
Carbon disulfide	ND		0.0053	0.0038	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1
Carbon tetrachloride	ND		0.0021	0.00071	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1
Chlorobenzene	ND		0.11	0.037	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
Chloroethane	ND		0.0053	0.0020	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1
Chlorodibromomethane	ND		0.11	0.018	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
Chloroform	ND		0.0021	0.00071	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1
Chloromethane	ND		0.0021	0.00071	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1
cis-1,2-Dichloroethene	**0.012**		0.0021	0.00071	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1
cis-1,3-Dichloropropene	ND		0.11	0.037	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
Dibromomethane	ND		0.0021	0.00059	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1
Dichlorodifluoromethane	ND		0.0021	0.0011	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1
Hexachlorobutadiene	ND		0.27	0.059	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
Isopropylbenzene	ND		0.11	0.023	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
Methyl tert-butyl ether	ND		0.0021	0.0010	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1

Client: Environmental Consulting
Project/Site: 709 E. Capitol Drive, Milwaukee WI

TestAmerica Job ID: 490-106667-1

Client Sample ID: B6
Date Collected: 06/27/16 11:26
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106667-6
Matrix: Solid
Percent Solids: 92.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	**1.0**		0.54	0.054	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
Naphthalene	ND		0.27	0.092	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
N-Propylbenzene	ND		0.11	0.037	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
p-Isopropyltoluene	ND		0.11	0.037	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
sec-Butylbenzene	ND		0.11	0.037	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
tert-Butylbenzene	ND		0.11	0.054	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
Tetrachloroethene	ND		0.11	0.037	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
Toluene	ND		0.11	0.040	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
trans-1,3-Dichloropropene	ND		0.11	0.037	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
trans-1,2-Dichloroethene	ND		0.0021	0.00071	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1
Trichloroethene	**0.0050**		0.0021	0.0010	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1
Trichlorofluoromethane	ND		0.0021	0.0011	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1
Xylenes, Total	ND		0.16	0.067	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1
Vinyl chloride	ND		0.0021	0.0012	mg/Kg	☼	07/01/16 11:52	07/01/16 15:06	1
n-Butylbenzene	ND		0.11	0.054	mg/Kg	☼	07/01/16 11:51	07/06/16 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*	*07/01/16 11:52*	*07/01/16 15:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*	*07/01/16 11:51*	*07/06/16 15:19*	*1*
4-Bromofluorobenzene (Surr)	*155*	*X *	*70 - 130*	*07/01/16 11:52*	*07/01/16 15:06*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*07/01/16 11:51*	*07/06/16 15:19*	*1*
Dibromofluoromethane (Surr)	*108*		*70 - 130*	*07/01/16 11:52*	*07/01/16 15:06*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*07/01/16 11:51*	*07/06/16 15:19*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*07/01/16 11:51*	*07/06/16 15:19*	*1*
Toluene-d8 (Surr)	*123*	*	*70 - 130*	*07/01/16 11:52*	*07/01/16 15:06*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.0**		0.1	0.1	%			06/30/16 10:00	1
Percent Solids	**92.0**		0.1	0.1	%			06/30/16 10:00	1

Client Sample ID: B7

Date Collected: 06/27/16 11:59
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106667-7

Matrix: Solid
Percent Solids: 91.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**0.16**		0.11	0.038	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
1,1,1-Trichloroethane	ND		0.0020	0.00094	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1
Styrene	ND		0.11	0.062	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
Bromobenzene	ND		0.11	0.041	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
1,1,1,2-Tetrachloroethane	ND		0.11	0.038	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
1,1-Dichloroethane	ND		0.0020	0.00068	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1
1,1,2,2-Tetrachloroethane	ND		0.11	0.056	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
1,1-Dichloroethene	ND		0.0020	0.00058	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1
1,1,2-Trichloroethane	ND		0.28	0.079	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
1,1-Dichloropropene	ND		0.0020	0.00052	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1
1,2,3-Trichlorobenzene	ND		0.11	0.021	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
1,2,3-Trichloropropane	ND		0.11	0.032	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
1,2,4-Trichlorobenzene	ND		0.11	0.038	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
1,2,4-Trimethylbenzene	**20**	**B**	0.11	0.056	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
1,2-Dibromo-3-Chloropropane	ND		0.28	0.039	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
1,2-Dichloroethane	ND		0.0020	0.00068	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1
1,2-Dibromoethane (EDB)	ND		0.11	0.056	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
1,2-Dichlorobenzene	ND		0.11	0.019	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
1,2-Dichloropropane	**0.017**		0.0020	0.00096	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1
1,3,5-Trimethylbenzene	**8.0**	**B**	0.11	0.043	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
1,3-Dichlorobenzene	ND		0.11	0.038	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
2,2-Dichloropropane	ND		0.0020	0.00068	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1
1,3-Dichloropropane	ND		0.11	0.053	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
2-Butanone (MEK)	**0.020**	**J**	0.051	0.0052	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1
1,4-Dichlorobenzene	ND		0.11	0.053	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
2-Chlorotoluene	ND		0.11	0.052	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
2-Hexanone	ND		2.8	0.95	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
Acetone	**0.15**		0.051	0.0086	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1
4-Chlorotoluene	ND		0.11	0.047	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
Benzene	**0.0071**	**B**	0.0020	0.00068	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1
4-Methyl-2-pentanone (MIBK)	ND		2.8	0.96	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
Bromochloromethane	ND		0.0020	0.00056	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1
Bromodichloromethane	ND		0.0020	0.00056	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1
Bromomethane	ND		0.0020	0.0012	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1
Bromoform	ND		0.11	0.032	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
Carbon disulfide	ND		0.0051	0.0037	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1
Carbon tetrachloride	ND		0.0020	0.00068	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1
Chlorobenzene	ND		0.11	0.038	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
Chloroethane	ND		0.0051	0.0019	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1
Chlorodibromomethane	ND		0.11	0.019	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
Chloroform	ND		0.0020	0.00068	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1
Chloromethane	ND		0.0020	0.00068	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1
cis-1,2-Dichloroethene	ND		0.0020	0.00068	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1
cis-1,3-Dichloropropene	ND		0.11	0.038	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
Dibromomethane	ND		0.0020	0.00057	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1
Dichlorodifluoromethane	ND		0.0020	0.0010	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1
Hexachlorobutadiene	ND		0.28	0.062	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
Isopropylbenzene	**0.85**		0.11	0.024	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
Methyl tert-butyl ether	ND		0.0020	0.00098	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1

Client Sample ID: B7
Date Collected: 06/27/16 11:59
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106667-7
Matrix: Solid
Percent Solids: 91.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	**0.63**	**B**	0.56	0.056	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
Naphthalene	**1.7**		0.28	0.096	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
N-Propylbenzene	**2.4**		0.11	0.038	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
p-Isopropyltoluene	**3.1**		0.11	0.038	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
sec-Butylbenzene	**3.0**		0.11	0.038	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
tert-Butylbenzene	**0.22**		0.11	0.056	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
Tetrachloroethene	ND		0.11	0.038	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
Toluene	ND		0.11	0.042	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
trans-1,3-Dichloropropene	ND		0.11	0.038	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
trans-1,2-Dichloroethene	ND		0.0020	0.00068	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1
Trichloroethene	**0.0010**	**J**	0.0020	0.00098	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1
Trichlorofluoromethane	ND		0.0020	0.0010	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1
Xylenes, Total	**0.31**		0.17	0.070	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1
Vinyl chloride	ND		0.0020	0.0011	mg/Kg	☼	07/01/16 11:52	07/01/16 16:56	1
n-Butylbenzene	**3.9**		0.11	0.056	mg/Kg	☼	07/01/16 11:51	07/03/16 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*	*07/01/16 11:52*	*07/01/16 16:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*	*07/01/16 11:51*	*07/03/16 19:42*	*1*
4-Bromofluorobenzene (Surr)	*635*	*X **	*70 - 130*	*07/01/16 11:52*	*07/01/16 16:56*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*07/01/16 11:51*	*07/03/16 19:42*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*07/01/16 11:52*	*07/01/16 16:56*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*	*07/01/16 11:51*	*07/03/16 19:42*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*	*07/01/16 11:51*	*07/03/16 19:42*	*1*
Toluene-d8 (Surr)	*135*	*X **	*70 - 130*	*07/01/16 11:52*	*07/01/16 16:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.5**		0.1	0.1	%			06/30/16 10:00	1
Percent Solids	**91.5**		0.1	0.1	%			06/30/16 10:00	1

Client Sample ID: B8
Date Collected: 06/27/16 12:22
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106667-8
Matrix: Solid
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**0.13**		0.11	0.038	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
1,1,1-Trichloroethane	ND		0.0021	0.00094	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1
Styrene	ND		0.11	0.062	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
Bromobenzene	ND		0.11	0.041	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
1,1,1,2-Tetrachloroethane	ND		0.11	0.038	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
1,1-Dichloroethane	ND		0.0021	0.00069	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1
1,1,2,2-Tetrachloroethane	ND		0.11	0.056	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
1,1-Dichloroethene	ND		0.0021	0.00058	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1
1,1,2-Trichloroethane	ND		0.28	0.079	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
1,1-Dichloropropene	ND		0.0021	0.00052	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1
1,2,3-Trichlorobenzene	ND		0.11	0.021	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
1,2,3-Trichloropropane	ND		0.11	0.032	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
1,2,4-Trichlorobenzene	ND		0.11	0.038	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
1,2,4-Trimethylbenzene	**8.1**	**B**	0.11	0.056	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
1,2-Dibromo-3-Chloropropane	ND		0.28	0.039	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
1,2-Dichloroethane	ND		0.0021	0.00069	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1
1,2-Dibromoethane (EDB)	ND		0.11	0.056	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
1,2-Dichlorobenzene	ND		0.11	0.019	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
1,2-Dichloropropane	**0.0022**		0.0021	0.00096	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1
1,3,5-Trimethylbenzene	**0.061**	**J B**	0.11	0.043	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
1,3-Dichlorobenzene	ND		0.11	0.038	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
2,2-Dichloropropane	ND		0.0021	0.00069	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1
1,3-Dichloropropane	ND		0.11	0.053	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
2-Butanone (MEK)	**0.024**	**J**	0.051	0.0052	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1
1,4-Dichlorobenzene	ND		0.11	0.053	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
2-Chlorotoluene	ND		0.11	0.052	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
2-Hexanone	ND		2.8	0.95	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
Acetone	**0.15**		0.051	0.0086	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1
4-Chlorotoluene	ND		0.11	0.047	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
Benzene	**0.0079**	**B**	0.0021	0.00069	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1
4-Methyl-2-pentanone (MIBK)	ND		2.8	0.96	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
Bromochloromethane	ND		0.0021	0.00056	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1
Bromodichloromethane	ND		0.0021	0.00056	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1
Bromomethane	ND		0.0021	0.0012	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1
Bromoform	ND		0.11	0.032	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
Carbon disulfide	ND		0.0051	0.0037	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1
Carbon tetrachloride	ND		0.0021	0.00069	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1
Chlorobenzene	ND		0.11	0.038	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
Chloroethane	ND		0.0051	0.0019	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1
Chlorodibromomethane	ND		0.11	0.019	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
Chloroform	ND		0.0021	0.00069	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1
Chloromethane	ND		0.0021	0.00069	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1
cis-1,2-Dichloroethene	ND		0.0021	0.00069	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1
cis-1,3-Dichloropropene	ND		0.11	0.038	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
Dibromomethane	ND		0.0021	0.00057	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1
Dichlorodifluoromethane	ND		0.0021	0.0010	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1
Hexachlorobutadiene	ND		0.28	0.062	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
Isopropylbenzene	**0.60**		0.11	0.024	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
Methyl tert-butyl ether	ND		0.0021	0.00098	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1

Client Sample ID: B8
Date Collected: 06/27/16 12:22
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106667-8
Matrix: Solid
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.86	B	0.56	0.056	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
Naphthalene	0.19	J	0.28	0.096	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
N-Propylbenzene	1.6		0.11	0.038	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
p-Isopropyltoluene	1.2		0.11	0.038	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
sec-Butylbenzene	1.9		0.11	0.038	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
tert-Butylbenzene	0.13		0.11	0.056	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
Tetrachloroethene	ND		0.11	0.038	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
Toluene	ND		0.11	0.042	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
trans-1,3-Dichloropropene	ND		0.11	0.038	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
trans-1,2-Dichloroethene	ND		0.0021	0.00069	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1
Trichloroethene	ND		0.0021	0.00098	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1
Trichlorofluoromethane	ND		0.0021	0.0010	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1
Xylenes, Total	0.12	J	0.17	0.070	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1
Vinyl chloride	ND		0.0021	0.0011	mg/Kg	☼	07/01/16 11:52	07/01/16 17:24	1
n-Butylbenzene	1.1		0.11	0.056	mg/Kg	☼	07/01/16 11:51	07/03/16 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*	*07/01/16 11:52*	*07/01/16 17:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*	*07/01/16 11:51*	*07/03/16 17:52*	*1*
4-Bromofluorobenzene (Surr)	*599*	*X **	*70 - 130*	*07/01/16 11:52*	*07/01/16 17:24*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*07/01/16 11:51*	*07/03/16 17:52*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*	*07/01/16 11:52*	*07/01/16 17:24*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*	*07/01/16 11:51*	*07/03/16 17:52*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*	*07/01/16 11:51*	*07/03/16 17:52*	*1*
Toluene-d8 (Surr)	*22284*	*X **	*70 - 130*	*07/01/16 11:52*	*07/01/16 17:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.3		0.1	0.1	%			06/30/16 10:00	1
Percent Solids	90.7		0.1	0.1	%			06/30/16 10:00	1

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

Lab Sample ID: MB 490-352304/1-A
Matrix: Solid
Analysis Batch: 352221

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 352304

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0020	0.00067	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
1,1,1-Trichloroethane	ND		0.0020	0.00092	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
1,1,2,2-Tetrachloroethane	ND		0.0020	0.0010	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
1,1,2-Trichloroethane	ND		0.0050	0.0014	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
1,1-Dichloroethane	ND		0.0020	0.00067	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
1,1-Dichloroethene	ND		0.0020	0.00057	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
1,1-Dichloropropene	ND		0.0020	0.00051	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
1,2,3-Trichlorobenzene	ND		0.0020	0.00038	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
1,2,3-Trichloropropane	ND		0.0020	0.00055	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
1,2,4-Trichlorobenzene	ND		0.0020	0.00067	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
1,2,4-Trimethylbenzene	ND		0.0020	0.0010	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
1,2-Dibromo-3-Chloropropane	ND		0.0050	0.00070	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
1,2-Dibromoethane (EDB)	ND		0.0020	0.0010	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
1,2-Dichlorobenzene	ND		0.0020	0.00034	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
1,2-Dichloroethane	ND		0.0020	0.00067	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
1,2-Dichloropropane	ND		0.0020	0.00094	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
1,3,5-Trimethylbenzene	ND		0.0020	0.00075	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
1,3-Dichlorobenzene	ND		0.0020	0.00067	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
1,3-Dichloropropane	ND		0.0020	0.00094	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
1,4-Dichlorobenzene	ND		0.0020	0.00067	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
2,2-Dichloropropane	ND		0.0020	0.00067	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
2-Butanone (MEK)	ND		0.050	0.0051	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
2-Chlorotoluene	ND		0.0020	0.00089	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
2-Hexanone	ND		0.050	0.017	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
4-Chlorotoluene	ND		0.0020	0.00084	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
4-Methyl-2-pentanone (MIBK)	ND		0.050	0.0019	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Bromobenzene	ND		0.0020	0.00072	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Acetone	ND		0.050	0.0084	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Benzene	0.000727	J	0.0020	0.00067	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Bromochloromethane	ND		0.0020	0.00055	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Bromodichloromethane	ND		0.0020	0.00055	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Bromoform	ND		0.0020	0.00055	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Bromomethane	ND		0.0020	0.0012	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Carbon disulfide	ND		0.0050	0.0036	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Carbon tetrachloride	ND		0.0020	0.00067	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Chlorobenzene	ND		0.0020	0.00067	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Chlorodibromomethane	ND		0.0020	0.00034	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Chloroethane	ND		0.0050	0.0019	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Chloroform	ND		0.0020	0.00067	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Chloromethane	ND		0.0020	0.00067	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
cis-1,2-Dichloroethene	ND		0.0020	0.00067	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
cis-1,3-Dichloropropene	ND		0.0020	0.00067	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Dibromomethane	ND		0.0020	0.00056	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Ethylbenzene	ND		0.0020	0.00067	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Dichlorodifluoromethane	ND		0.0020	0.0010	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Hexachlorobutadiene	ND		0.0050	0.0011	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Isopropylbenzene	ND		0.0020	0.00041	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Methylene Chloride	0.00236	J	0.010	0.00086	mg/Kg		07/01/16 10:50	07/01/16 13:16	1

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

Lab Sample ID: MB 490-352304/1-A
Matrix: Solid
Analysis Batch: 352221

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 352304

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.0050	0.0017	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
N-Propylbenzene	ND		0.0020	0.00067	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
p-Isopropyltoluene	ND		0.0020	0.00067	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
sec-Butylbenzene	ND		0.0020	0.00067	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Styrene	ND		0.0020	0.0011	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
tert-Butylbenzene	ND		0.0020	0.00090	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Tetrachloroethene	ND		0.0020	0.00073	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Toluene	0.000994	J	0.0020	0.00074	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
trans-1,2-Dichloroethene	ND		0.0020	0.00067	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
trans-1,3-Dichloropropene	ND		0.0020	0.00067	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Trichloroethene	ND		0.0020	0.00096	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Trichlorofluoromethane	ND		0.0020	0.0010	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Methyl tert-butyl ether	ND		0.0020	0.00096	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Vinyl chloride	ND		0.0020	0.0011	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
n-Butylbenzene	ND		0.0020	0.00098	mg/Kg		07/01/16 10:50	07/01/16 13:16	1
Xylenes, Total	ND		0.0060	0.0012	mg/Kg		07/01/16 10:50	07/01/16 13:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*	*07/01/16 10:50*	*07/01/16 13:16*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*07/01/16 10:50*	*07/01/16 13:16*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*	*07/01/16 10:50*	*07/01/16 13:16*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*	*07/01/16 10:50*	*07/01/16 13:16*	*1*

Lab Sample ID: LCS 490-352304/2-A
Matrix: Solid
Analysis Batch: 352221

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 352304

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0528		mg/Kg		106	70 - 130
1,1,1-Trichloroethane	0.0500	0.0552		mg/Kg		110	70 - 130
1,1,2,2-Tetrachloroethane	0.0500	0.0545		mg/Kg		109	61 - 134
1,1,2-Trichloroethane	0.0500	0.0508		mg/Kg		102	70 - 130
1,1-Dichloroethane	0.0500	0.0540		mg/Kg		108	70 - 130
1,1-Dichloroethene	0.0500	0.0537		mg/Kg		107	70 - 131
1,1-Dichloropropene	0.0500	0.0567		mg/Kg		113	70 - 130
1,2,3-Trichlorobenzene	0.0500	0.0509		mg/Kg		102	57 - 146
1,2,3-Trichloropropane	0.0500	0.0533		mg/Kg		107	60 - 139
1,2,4-Trichlorobenzene	0.0500	0.0497		mg/Kg		99	47 - 150
1,2,4-Trimethylbenzene	0.0500	0.0559		mg/Kg		112	70 - 140
1,2-Dibromo-3-Chloropropane	0.0500	0.0522		mg/Kg		104	47 - 144
1,2-Dibromoethane (EDB)	0.0500	0.0528		mg/Kg		106	69 - 130
1,2-Dichlorobenzene	0.0500	0.0518		mg/Kg		104	70 - 134
1,2-Dichloroethane	0.0500	0.0528		mg/Kg		106	65 - 134
1,2-Dichloropropane	0.0500	0.0539		mg/Kg		108	70 - 130
1,3,5-Trimethylbenzene	0.0500	0.0558		mg/Kg		112	69 - 141
1,3-Dichlorobenzene	0.0500	0.0524		mg/Kg		105	69 - 137
1,3-Dichloropropane	0.0500	0.0524		mg/Kg		105	70 - 130
1,4-Dichlorobenzene	0.0500	0.0523		mg/Kg		105	66 - 134

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

Lab Sample ID: LCS 490-352304/2-A
Matrix: Solid
Analysis Batch: 352221

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 352304

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	0.0500	0.0552		mg/Kg		110	57 - 150
2-Butanone (MEK)	0.250	0.279		mg/Kg		111	50 - 149
2-Chlorotoluene	0.0500	0.0512		mg/Kg		102	70 - 132
2-Hexanone	0.250	0.267		mg/Kg		107	47 - 148
4-Chlorotoluene	0.0500	0.0541		mg/Kg		108	67 - 135
4-Methyl-2-pentanone (MIBK)	0.250	0.266		mg/Kg		106	48 - 150
Bromobenzene	0.0500	0.0532		mg/Kg		106	67 - 130
Acetone	0.250	0.257		mg/Kg		103	45 - 145
Benzene	0.0500	0.0548		mg/Kg		110	70 - 130
Bromochloromethane	0.0500	0.0518		mg/Kg		104	70 - 133
Bromodichloromethane	0.0500	0.0536		mg/Kg		107	70 - 130
Bromoform	0.0500	0.0495		mg/Kg		99	59 - 137
Bromomethane	0.0500	0.0500		mg/Kg		100	32 - 150
Carbon disulfide	0.0500	0.0530		mg/Kg		106	66 - 138
Carbon tetrachloride	0.0500	0.0562		mg/Kg		112	70 - 131
Chlorobenzene	0.0500	0.0541		mg/Kg		108	70 - 130
Chlorodibromomethane	0.0500	0.0517		mg/Kg		103	70 - 130
Chloroethane	0.0500	0.0549		mg/Kg		110	37 - 150
Chloroform	0.0500	0.0533		mg/Kg		107	70 - 130
Chloromethane	0.0500	0.0488		mg/Kg		98	53 - 150
cis-1,2-Dichloroethene	0.0500	0.0549		mg/Kg		110	70 - 132
cis-1,3-Dichloropropene	0.0500	0.0525		mg/Kg		105	70 - 130
Dibromomethane	0.0500	0.0537		mg/Kg		107	70 - 130
Ethylbenzene	0.0500	0.0545		mg/Kg		109	70 - 130
Dichlorodifluoromethane	0.0500	0.0507		mg/Kg		101	32 - 150
Hexachlorobutadiene	0.0500	0.0551		mg/Kg		110	64 - 137
Isopropylbenzene	0.0500	0.0556		mg/Kg		111	70 - 130
Methylene Chloride	0.0500	0.0537		mg/Kg		107	69 - 130
Naphthalene	0.0500	0.0519		mg/Kg		104	55 - 149
N-Propylbenzene	0.0500	0.0575		mg/Kg		115	62 - 150
p-Isopropyltoluene	0.0500	0.0571		mg/Kg		114	66 - 147
sec-Butylbenzene	0.0500	0.0576		mg/Kg		115	68 - 147
Styrene	0.0500	0.0528		mg/Kg		106	70 - 131
tert-Butylbenzene	0.0500	0.0567		mg/Kg		113	70 - 138
Tetrachloroethene	0.0500	0.0525		mg/Kg		105	70 - 130
Toluene	0.0500	0.0538		mg/Kg		108	70 - 130
trans-1,2-Dichloroethene	0.0500	0.0562		mg/Kg		112	70 - 130
trans-1,3-Dichloropropene	0.0500	0.0525		mg/Kg		105	67 - 130
Trichloroethene	0.0500	0.0570		mg/Kg		114	70 - 130
Trichlorofluoromethane	0.0500	0.0505		mg/Kg		101	53 - 150
Methyl tert-butyl ether	0.0500	0.0541		mg/Kg		108	54 - 145
Vinyl chloride	0.0500	0.0524		mg/Kg		105	63 - 150
n-Butylbenzene	0.0500	0.0555		mg/Kg		111	57 - 150
Xylenes, Total	0.100	0.107		mg/Kg		107	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*

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

Lab Sample ID: LCS 490-352304/2-A
Matrix: Solid
Analysis Batch: 352221

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 352304

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	101		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Lab Sample ID: 490-106758-B-2-C MS
Matrix: Solid
Analysis Batch: 352221

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 352304

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		0.0623	0.0656		mg/Kg	☼	105	10 - 150
1,1,1-Trichloroethane	ND		0.0623	0.0677		mg/Kg	☼	109	10 - 150
1,1,2,2-Tetrachloroethane	ND		0.0623	0.0667		mg/Kg	☼	107	10 - 150
1,1,2-Trichloroethane	ND		0.0623	0.0610		mg/Kg	☼	98	10 - 150
1,1-Dichloroethane	ND		0.0623	0.0670		mg/Kg	☼	107	10 - 150
1,1-Dichloroethene	ND		0.0623	0.0662		mg/Kg	☼	106	10 - 150
1,1-Dichloropropene	ND		0.0623	0.0709		mg/Kg	☼	114	10 - 150
1,2,3-Trichlorobenzene	ND		0.0623	0.0421		mg/Kg	☼	68	10 - 150
1,2,3-Trichloropropane	ND		0.0623	0.0647		mg/Kg	☼	104	10 - 150
1,2,4-Trichlorobenzene	ND		0.0623	0.0454		mg/Kg	☼	73	10 - 150
1,2,4-Trimethylbenzene	0.0019	J	0.0623	0.0749		mg/Kg	☼	117	10 - 150
1,2-Dibromo-3-Chloropropane	ND		0.0623	0.0590		mg/Kg	☼	95	10 - 150
1,2-Dibromoethane (EDB)	ND		0.0623	0.0623		mg/Kg	☼	100	10 - 150
1,2-Dichlorobenzene	ND		0.0623	0.0616		mg/Kg	☼	99	10 - 150
1,2-Dichloroethane	ND		0.0623	0.0633		mg/Kg	☼	101	24 - 138
1,2-Dichloropropane	ND		0.0623	0.0655		mg/Kg	☼	105	10 - 150
1,3,5-Trimethylbenzene	ND		0.0623	0.0763		mg/Kg	☼	122	10 - 150
1,3-Dichlorobenzene	ND		0.0623	0.0643		mg/Kg	☼	103	10 - 150
1,3-Dichloropropane	ND		0.0623	0.0640		mg/Kg	☼	103	10 - 150
1,4-Dichlorobenzene	ND		0.0623	0.0636		mg/Kg	☼	102	10 - 150
2,2-Dichloropropane	ND		0.0623	0.0697		mg/Kg	☼	112	10 - 150
2-Butanone (MEK)	ND		0.312	0.310		mg/Kg	☼	100	10 - 150
2-Chlorotoluene	ND		0.0623	0.0690		mg/Kg	☼	111	10 - 150
2-Hexanone	ND		0.312	0.306		mg/Kg	☼	98	10 - 150
4-Chlorotoluene	ND		0.0623	0.0708		mg/Kg	☼	114	10 - 150
4-Methyl-2-pentanone (MIBK)	ND		0.312	0.315		mg/Kg	☼	101	10 - 150
Bromobenzene	ND		0.0623	0.0673		mg/Kg	☼	108	10 - 150
Acetone	0.024	J	0.312	0.306		mg/Kg	☼	90	10 - 150
Benzene	ND		0.0623	0.0677		mg/Kg	☼	109	21 - 150
Bromochloromethane	ND		0.0623	0.0638		mg/Kg	☼	102	10 - 150
Bromodichloromethane	ND		0.0623	0.0643		mg/Kg	☼	103	10 - 150
Bromoform	ND		0.0623	0.0569		mg/Kg	☼	91	10 - 150
Bromomethane	ND		0.0623	0.0588		mg/Kg	☼	94	10 - 150
Carbon disulfide	ND		0.0623	0.0657		mg/Kg	☼	105	10 - 150
Carbon tetrachloride	ND		0.0623	0.0709		mg/Kg	☼	114	10 - 150
Chlorobenzene	ND		0.0623	0.0669		mg/Kg	☼	107	10 - 150
Chlorodibromomethane	ND		0.0623	0.0625		mg/Kg	☼	100	10 - 150
Chloroethane	ND		0.0623	0.0670		mg/Kg	☼	107	10 - 150
Chloroform	ND		0.0623	0.0662		mg/Kg	☼	106	10 - 150
Chloromethane	ND		0.0623	0.0629		mg/Kg	☼	101	10 - 150

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

Lab Sample ID: 490-106758-B-2-C MS
Matrix: Solid
Analysis Batch: 352221

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 352304

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	ND		0.0623	0.0690		mg/Kg	☼	111	10 - 150
cis-1,3-Dichloropropene	ND		0.0623	0.0655		mg/Kg	☼	105	10 - 150
Dibromomethane	ND		0.0623	0.0635		mg/Kg	☼	102	10 - 150
Ethylbenzene	ND		0.0623	0.0689		mg/Kg	☼	110	10 - 150
Dichlorodifluoromethane	ND		0.0623	0.0638		mg/Kg	☼	102	10 - 150
Hexachlorobutadiene	ND		0.0623	0.0672		mg/Kg	☼	108	10 - 150
Isopropylbenzene	ND		0.0623	0.0710		mg/Kg	☼	114	10 - 150
Methylene Chloride	0.28	F2 B	0.0623	0.189	4	mg/Kg	☼	-142	24 - 150
Naphthalene	ND		0.0623	0.0468		mg/Kg	☼	75	10 - 150
N-Propylbenzene	ND		0.0623	0.0787		mg/Kg	☼	126	10 - 150
p-Isopropyltoluene	ND		0.0623	0.0767		mg/Kg	☼	123	10 - 150
sec-Butylbenzene	ND		0.0623	0.0777		mg/Kg	☼	125	10 - 150
Styrene	ND		0.0623	0.0598		mg/Kg	☼	96	10 - 150
tert-Butylbenzene	ND		0.0623	0.0778		mg/Kg	☼	125	10 - 150
Tetrachloroethene	ND		0.0623	0.0683		mg/Kg	☼	110	10 - 150
Toluene	ND		0.0623	0.0694		mg/Kg	☼	111	17 - 150
trans-1,2-Dichloroethene	ND		0.0623	0.0697		mg/Kg	☼	112	10 - 150
trans-1,3-Dichloropropene	ND		0.0623	0.0625		mg/Kg	☼	100	10 - 150
Trichloroethene	ND		0.0623	0.0699		mg/Kg	☼	112	10 - 150
Trichlorofluoromethane	ND		0.0623	0.0624		mg/Kg	☼	100	10 - 150
Methyl tert-butyl ether	ND		0.0623	0.0657		mg/Kg	☼	105	10 - 150
Vinyl chloride	ND		0.0623	0.0658		mg/Kg	☼	106	10 - 150
n-Butylbenzene	ND		0.0623	0.0700		mg/Kg	☼	112	10 - 150
Xylenes, Total	ND		0.125	0.137		mg/Kg	☼	110	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
Dibromofluoromethane (Surr)	*101*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: 490-106758-B-2-D MSD
Matrix: Solid
Analysis Batch: 352221

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 352304

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		0.0588	0.0624		mg/Kg	☼	106	10 - 150	5	50
1,1,1-Trichloroethane	ND		0.0588	0.0654		mg/Kg	☼	111	10 - 150	4	50
1,1,2,2-Tetrachloroethane	ND		0.0588	0.0629		mg/Kg	☼	107	10 - 150	6	50
1,1,2-Trichloroethane	ND		0.0588	0.0574		mg/Kg	☼	98	10 - 150	6	50
1,1-Dichloroethane	ND		0.0588	0.0634		mg/Kg	☼	108	10 - 150	5	50
1,1-Dichloroethene	ND		0.0588	0.0640		mg/Kg	☼	109	10 - 150	3	50
1,1-Dichloropropene	ND		0.0588	0.0673		mg/Kg	☼	114	10 - 150	5	50
1,2,3-Trichlorobenzene	ND		0.0588	0.0389		mg/Kg	☼	66	10 - 150	8	50
1,2,3-Trichloropropane	ND		0.0588	0.0633		mg/Kg	☼	108	10 - 150	2	50
1,2,4-Trichlorobenzene	ND		0.0588	0.0422		mg/Kg	☼	72	10 - 150	7	50
1,2,4-Trimethylbenzene	0.0019	J	0.0588	0.0716		mg/Kg	☼	119	10 - 150	4	50
1,2-Dibromo-3-Chloropropane	ND		0.0588	0.0557		mg/Kg	☼	95	10 - 150	6	50

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

Lab Sample ID: 490-106758-B-2-D MSD
Matrix: Solid
Analysis Batch: 352221

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 352304

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane (EDB)	ND		0.0588	0.0569		mg/Kg	☼	97	10 - 150	9	50
1,2-Dichlorobenzene	ND		0.0588	0.0578		mg/Kg	☼	98	10 - 150	6	50
1,2-Dichloroethane	ND		0.0588	0.0601		mg/Kg	☼	102	24 - 138	5	50
1,2-Dichloropropane	ND		0.0588	0.0619		mg/Kg	☼	105	10 - 150	6	50
1,3,5-Trimethylbenzene	ND		0.0588	0.0719		mg/Kg	☼	122	10 - 150	6	50
1,3-Dichlorobenzene	ND		0.0588	0.0594		mg/Kg	☼	101	10 - 150	8	50
1,3-Dichloropropane	ND		0.0588	0.0600		mg/Kg	☼	102	10 - 150	7	50
1,4-Dichlorobenzene	ND		0.0588	0.0596		mg/Kg	☼	101	10 - 150	7	50
2,2-Dichloropropane	ND		0.0588	0.0655		mg/Kg	☼	111	10 - 150	6	50
2-Butanone (MEK)	ND		0.294	0.294		mg/Kg	☼	100	10 - 150	5	50
2-Chlorotoluene	ND		0.0588	0.0643		mg/Kg	☼	109	10 - 150	7	50
2-Hexanone	ND		0.294	0.288		mg/Kg	☼	98	10 - 150	6	50
4-Chlorotoluene	ND		0.0588	0.0663		mg/Kg	☼	113	10 - 150	7	50
4-Methyl-2-pentanone (MIBK)	ND		0.294	0.300		mg/Kg	☼	102	10 - 150	5	50
Bromobenzene	ND		0.0588	0.0629		mg/Kg	☼	107	10 - 150	7	50
Acetone	0.024	J	0.294	0.283		mg/Kg	☼	88	10 - 150	8	50
Benzene	ND		0.0588	0.0644		mg/Kg	☼	110	21 - 150	5	50
Bromochloromethane	ND		0.0588	0.0603		mg/Kg	☼	103	10 - 150	6	50
Bromodichloromethane	ND		0.0588	0.0612		mg/Kg	☼	104	10 - 150	5	50
Bromoform	ND		0.0588	0.0536		mg/Kg	☼	91	10 - 150	6	50
Bromomethane	ND		0.0588	0.0565		mg/Kg	☼	96	10 - 150	4	50
Carbon disulfide	ND		0.0588	0.0643		mg/Kg	☼	109	10 - 150	2	50
Carbon tetrachloride	ND		0.0588	0.0680		mg/Kg	☼	116	10 - 150	4	50
Chlorobenzene	ND		0.0588	0.0631		mg/Kg	☼	107	10 - 150	6	50
Chlorodibromomethane	ND		0.0588	0.0593		mg/Kg	☼	101	10 - 150	5	50
Chloroethane	ND		0.0588	0.0651		mg/Kg	☼	111	10 - 150	3	50
Chloroform	ND		0.0588	0.0620		mg/Kg	☼	105	10 - 150	7	50
Chloromethane	ND		0.0588	0.0588		mg/Kg	☼	100	10 - 150	7	50
cis-1,2-Dichloroethene	ND		0.0588	0.0647		mg/Kg	☼	110	10 - 150	7	50
cis-1,3-Dichloropropene	ND		0.0588	0.0610		mg/Kg	☼	104	10 - 150	7	50
Dibromomethane	ND		0.0588	0.0596		mg/Kg	☼	101	10 - 150	6	50
Ethylbenzene	ND		0.0588	0.0656		mg/Kg	☼	112	10 - 150	5	50
Dichlorodifluoromethane	ND		0.0588	0.0617		mg/Kg	☼	105	10 - 150	3	50
Hexachlorobutadiene	ND		0.0588	0.0628		mg/Kg	☼	107	10 - 150	7	50
Isopropylbenzene	ND		0.0588	0.0668		mg/Kg	☼	114	10 - 150	6	50
Methylene Chloride	0.28	F2 B	0.0588	0.105	4 F2	mg/Kg	☼	-293	24 - 150	57	50
Naphthalene	ND		0.0588	0.0438		mg/Kg	☼	74	10 - 150	7	50
N-Propylbenzene	ND		0.0588	0.0737		mg/Kg	☼	125	10 - 150	6	50
p-Isopropyltoluene	ND		0.0588	0.0729		mg/Kg	☼	124	10 - 150	5	50
sec-Butylbenzene	ND		0.0588	0.0746		mg/Kg	☼	127	10 - 150	4	50
Styrene	ND		0.0588	0.0576		mg/Kg	☼	98	10 - 150	4	50
tert-Butylbenzene	ND		0.0588	0.0747		mg/Kg	☼	127	10 - 150	4	50
Tetrachloroethene	ND		0.0588	0.0654		mg/Kg	☼	111	10 - 150	4	50
Toluene	ND		0.0588	0.0657		mg/Kg	☼	112	17 - 150	6	50
trans-1,2-Dichloroethene	ND		0.0588	0.0662		mg/Kg	☼	112	10 - 150	5	50
trans-1,3-Dichloropropene	ND		0.0588	0.0582		mg/Kg	☼	99	10 - 150	7	50
Trichloroethene	ND		0.0588	0.0654		mg/Kg	☼	111	10 - 150	7	50
Trichlorofluoromethane	ND		0.0588	0.0619		mg/Kg	☼	105	10 - 150	1	50

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

Lab Sample ID: 490-106758-B-2-D MSD
Matrix: Solid
Analysis Batch: 352221

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 352304

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	ND		0.0588	0.0615		mg/Kg	☼	105	10 - 150	7	50
Vinyl chloride	ND		0.0588	0.0632		mg/Kg	☼	107	10 - 150	4	50
n-Butylbenzene	ND		0.0588	0.0663		mg/Kg	☼	113	10 - 150	5	50
Xylenes, Total	ND		0.118	0.129		mg/Kg	☼	110	10 - 150	6	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
Dibromofluoromethane (Surr)	*101*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 490-352341/1-A
Matrix: Solid
Analysis Batch: 352491

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 352341

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,1,1-Trichloroethane	ND		0.10	0.046	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,1,2,2-Tetrachloroethane	ND		0.10	0.050	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,1,2-Trichloroethane	ND		0.25	0.070	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,1-Dichloroethane	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,1-Dichloroethene	ND		0.10	0.029	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,1-Dichloropropene	ND		0.10	0.026	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,2,3-Trichlorobenzene	ND		0.10	0.019	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,2,3-Trichloropropane	ND		0.10	0.028	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,2,4-Trichlorobenzene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,2,4-Trimethylbenzene	0.176		0.10	0.050	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,2-Dibromo-3-Chloropropane	ND		0.25	0.035	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,2-Dibromoethane (EDB)	ND		0.10	0.050	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,2-Dichlorobenzene	ND		0.10	0.017	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,2-Dichloroethane	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,2-Dichloropropane	ND		0.10	0.047	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,3,5-Trimethylbenzene	0.0533	J	0.10	0.038	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,3-Dichlorobenzene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,3-Dichloropropane	ND		0.10	0.047	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,4-Dichlorobenzene	ND		0.10	0.047	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
2,2-Dichloropropane	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
2-Butanone (MEK)	ND		2.5	0.26	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
2-Chlorotoluene	ND		0.10	0.046	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
2-Hexanone	ND		2.5	0.84	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
4-Chlorotoluene	ND		0.10	0.042	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
4-Methyl-2-pentanone (MIBK)	ND		2.5	0.85	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Bromobenzene	ND		0.10	0.036	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Acetone	ND		2.5	2.0	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Benzene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Bromochloromethane	ND		0.10	0.028	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Bromodichloromethane	ND		0.10	0.028	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Bromoform	ND		0.10	0.028	mg/Kg		07/01/16 11:51	07/03/16 16:02	1

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

Lab Sample ID: MB 490-352341/1-A
Matrix: Solid
Analysis Batch: 352491

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 352341

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		0.10	0.060	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Carbon disulfide	ND		0.25	0.18	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Carbon tetrachloride	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Chlorobenzene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Chlorodibromomethane	ND		0.10	0.017	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Chloroethane	ND		0.25	0.095	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Chloroform	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Chloromethane	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
cis-1,2-Dichloroethene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
cis-1,3-Dichloropropene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Dibromomethane	ND		0.10	0.028	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Ethylbenzene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Dichlorodifluoromethane	ND		0.10	0.050	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Hexachlorobutadiene	ND		0.25	0.055	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Isopropylbenzene	ND		0.10	0.021	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Methylene Chloride	0.0665	J	0.50	0.050	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Naphthalene	ND		0.25	0.085	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
N-Propylbenzene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
p-Isopropyltoluene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
sec-Butylbenzene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Styrene	ND		0.10	0.055	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
tert-Butylbenzene	ND		0.10	0.050	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Tetrachloroethene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Toluene	ND		0.10	0.037	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
trans-1,2-Dichloroethene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
trans-1,3-Dichloropropene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Trichloroethene	ND		0.10	0.050	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Trichlorofluoromethane	ND		0.10	0.050	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Methyl tert-butyl ether	ND		0.10	0.050	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Vinyl chloride	ND		0.10	0.055	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
n-Butylbenzene	ND		0.10	0.050	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Xylenes, Total	ND		0.15	0.062	mg/Kg		07/01/16 11:51	07/03/16 16:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*07/01/16 11:51*	*07/03/16 16:02*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*07/01/16 11:51*	*07/03/16 16:02*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*07/01/16 11:51*	*07/03/16 16:02*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*07/01/16 11:51*	*07/03/16 16:02*	*1*

Lab Sample ID: LCS 490-352341/2-A
Matrix: Solid
Analysis Batch: 352491

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 352341

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	2.50	2.61		mg/Kg		104	70 - 130
1,1,1-Trichloroethane	2.50	2.65		mg/Kg		106	70 - 130
1,1,2,2-Tetrachloroethane	2.50	2.44		mg/Kg		98	61 - 134
1,1,2-Trichloroethane	2.50	2.48		mg/Kg		99	70 - 130

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

Lab Sample ID: LCS 490-352341/2-A
Matrix: Solid
Analysis Batch: 352491

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 352341

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	2.50	2.61		mg/Kg		104	70 - 130
1,1-Dichloroethene	2.50	2.74		mg/Kg		110	70 - 131
1,1-Dichloropropene	2.50	2.72		mg/Kg		109	70 - 130
1,2,3-Trichlorobenzene	2.50	2.70		mg/Kg		108	57 - 146
1,2,3-Trichloropropane	2.50	2.46		mg/Kg		98	60 - 139
1,2,4-Trichlorobenzene	2.50	2.73		mg/Kg		109	47 - 150
1,2,4-Trimethylbenzene	2.50	2.63		mg/Kg		105	70 - 140
1,2-Dibromo-3-Chloropropane	2.50	2.47		mg/Kg		99	47 - 144
1,2-Dibromoethane (EDB)	2.50	2.61		mg/Kg		104	69 - 130
1,2-Dichlorobenzene	2.50	2.62		mg/Kg		105	70 - 134
1,2-Dichloroethane	2.50	2.64		mg/Kg		106	65 - 134
1,2-Dichloropropane	2.50	2.66		mg/Kg		106	70 - 130
1,3,5-Trimethylbenzene	2.50	2.60		mg/Kg		104	69 - 141
1,3-Dichlorobenzene	2.50	2.60		mg/Kg		104	69 - 137
1,3-Dichloropropane	2.50	2.60		mg/Kg		104	70 - 130
1,4-Dichlorobenzene	2.50	2.61		mg/Kg		105	66 - 134
2,2-Dichloropropane	2.50	2.69		mg/Kg		107	57 - 150
2-Butanone (MEK)	12.5	13.0		mg/Kg		104	50 - 149
2-Chlorotoluene	2.50	2.39		mg/Kg		96	70 - 132
2-Hexanone	12.5	12.2		mg/Kg		97	47 - 148
4-Chlorotoluene	2.50	2.57		mg/Kg		103	67 - 135
4-Methyl-2-pentanone (MIBK)	12.5	12.3		mg/Kg		98	48 - 150
Bromobenzene	2.50	2.52		mg/Kg		101	67 - 130
Acetone	12.5	12.3		mg/Kg		99	45 - 145
Benzene	2.50	2.70		mg/Kg		108	70 - 130
Bromochloromethane	2.50	2.60		mg/Kg		104	70 - 133
Bromodichloromethane	2.50	2.62		mg/Kg		105	70 - 130
Bromoform	2.50	2.48		mg/Kg		99	59 - 137
Bromomethane	2.50	2.68		mg/Kg		107	32 - 150
Carbon disulfide	2.50	2.62		mg/Kg		105	66 - 138
Carbon tetrachloride	2.50	2.72		mg/Kg		109	70 - 131
Chlorobenzene	2.50	2.67		mg/Kg		107	70 - 130
Chlorodibromomethane	2.50	2.55		mg/Kg		102	70 - 130
Chloroethane	2.50	2.06		mg/Kg		82	37 - 150
Chloroform	2.50	2.56		mg/Kg		102	70 - 130
Chloromethane	2.50	2.56		mg/Kg		103	53 - 150
cis-1,2-Dichloroethene	2.50	2.71		mg/Kg		108	70 - 132
cis-1,3-Dichloropropene	2.50	2.60		mg/Kg		104	70 - 130
Dibromomethane	2.50	2.61		mg/Kg		105	70 - 130
Ethylbenzene	2.50	2.61		mg/Kg		105	70 - 130
Dichlorodifluoromethane	2.50	2.67		mg/Kg		107	32 - 150
Hexachlorobutadiene	2.50	2.55		mg/Kg		102	64 - 137
Isopropylbenzene	2.50	2.66		mg/Kg		106	70 - 130
Methylene Chloride	2.50	2.65		mg/Kg		106	69 - 130
Naphthalene	2.50	2.62		mg/Kg		105	55 - 149
N-Propylbenzene	2.50	2.60		mg/Kg		104	62 - 150
p-Isopropyltoluene	2.50	2.64		mg/Kg		106	66 - 147
sec-Butylbenzene	2.50	2.65		mg/Kg		106	68 - 147

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

Lab Sample ID: LCS 490-352341/2-A
Matrix: Solid
Analysis Batch: 352491

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 352341

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	2.50	2.62		mg/Kg		105	70 - 131
tert-Butylbenzene	2.50	2.65		mg/Kg		106	70 - 138
Tetrachloroethene	2.50	2.53		mg/Kg		101	70 - 130
Toluene	2.50	2.62		mg/Kg		105	70 - 130
trans-1,2-Dichloroethene	2.50	2.66		mg/Kg		107	70 - 130
trans-1,3-Dichloropropene	2.50	2.62		mg/Kg		105	67 - 130
Trichloroethene	2.50	2.80		mg/Kg		112	70 - 130
Trichlorofluoromethane	2.50	2.36		mg/Kg		95	53 - 150
Methyl tert-butyl ether	2.50	2.71		mg/Kg		109	54 - 145
Vinyl chloride	2.50	2.70		mg/Kg		108	63 - 150
n-Butylbenzene	2.50	2.58		mg/Kg		103	57 - 150
Xylenes, Total	5.00	5.21		mg/Kg		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
Dibromofluoromethane (Surr)	*102*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: 490-106667-2 MS
Matrix: Solid
Analysis Batch: 352491

Client Sample ID: B2
Prep Type: Total/NA
Prep Batch: 352341

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		3.23	2.90		mg/Kg	☼	90	10 - 150
1,1,1-Trichloroethane	ND		3.23	3.20		mg/Kg	☼	99	10 - 150
1,1,2,2-Tetrachloroethane	ND	F1 F2	3.23	20.5	F1	mg/Kg	☼	636	10 - 150
1,1,2-Trichloroethane	ND	F1	3.23	6.24	F1	mg/Kg	☼	193	10 - 150
1,1-Dichloroethane	0.11	J	3.23	3.30		mg/Kg	☼	99	10 - 150
1,1-Dichloroethene	ND		3.23	3.11		mg/Kg	☼	96	10 - 150
1,1-Dichloropropene	ND		3.23	3.09		mg/Kg	☼	96	10 - 150
1,2,3-Trichlorobenzene	ND		3.23	1.95		mg/Kg	☼	60	10 - 150
1,2,3-Trichloropropane	ND	F1	3.23	44.9	E F1	mg/Kg	☼	1391	10 - 150
1,2,4-Trichlorobenzene	ND		3.23	1.85		mg/Kg	☼	57	10 - 150
1,2,4-Trimethylbenzene	68	E B	3.23	88.4	E 4	mg/Kg	☼	638	10 - 150
1,2-Dibromo-3-Chloropropane	ND		3.23	2.31		mg/Kg	☼	72	10 - 150
1,2-Dibromoethane (EDB)	ND		3.23	2.92		mg/Kg	☼	90	10 - 150
1,2-Dichlorobenzene	ND		3.23	2.08		mg/Kg	☼	65	10 - 150
1,2-Dichloroethane	ND		3.23	3.09		mg/Kg	☼	96	24 - 138
1,2-Dichloropropane	ND		3.23	3.17		mg/Kg	☼	98	10 - 150
1,3,5-Trimethylbenzene	31	E B	3.23	33.9	E 4	mg/Kg	☼	86	10 - 150
1,3-Dichlorobenzene	ND		3.23	1.78		mg/Kg	☼	55	10 - 150
1,3-Dichloropropane	ND		3.23	2.96		mg/Kg	☼	92	10 - 150
1,4-Dichlorobenzene	ND		3.23	1.78		mg/Kg	☼	55	10 - 150
2,2-Dichloropropane	ND		3.23	2.92		mg/Kg	☼	91	10 - 150
2-Butanone (MEK)	ND		16.1	16.0		mg/Kg	☼	99	10 - 150
2-Chlorotoluene	ND	F1	3.23	18.1	F1	mg/Kg	☼	560	10 - 150
2-Hexanone	1.6	J	16.1	17.6		mg/Kg	☼	99	10 - 150

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

Lab Sample ID: 490-106667-2 MS
Matrix: Solid
Analysis Batch: 352491

Client Sample ID: B2
Prep Type: Total/NA
Prep Batch: 352341

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	ND	F1	3.23	4.90	F1	mg/Kg	☼	152	10 - 150
4-Methyl-2-pentanone (MIBK)	ND		16.1	15.8		mg/Kg	☼	98	10 - 150
Bromobenzene	ND	F1	3.23	7.04	F1	mg/Kg	☼	218	10 - 150
Acetone	ND		16.1	16.1		mg/Kg	☼	100	10 - 150
Benzene	ND		3.23	3.14		mg/Kg	☼	97	21 - 150
Bromochloromethane	ND		3.23	3.09		mg/Kg	☼	96	10 - 150
Bromodichloromethane	ND		3.23	3.00		mg/Kg	☼	93	10 - 150
Bromoform	ND		3.23	2.91		mg/Kg	☼	90	10 - 150
Bromomethane	ND		3.23	3.08		mg/Kg	☼	95	10 - 150
Carbon disulfide	ND		3.23	3.01		mg/Kg	☼	93	10 - 150
Carbon tetrachloride	ND		3.23	3.29		mg/Kg	☼	102	10 - 150
Chlorobenzene	ND		3.23	2.64		mg/Kg	☼	82	10 - 150
Chlorodibromomethane	ND		3.23	3.08		mg/Kg	☼	95	10 - 150
Chloroethane	ND		3.23	2.59		mg/Kg	☼	80	10 - 150
Chloroform	ND		3.23	3.07		mg/Kg	☼	95	10 - 150
Chloromethane	ND		3.23	2.91		mg/Kg	☼	90	10 - 150
cis-1,2-Dichloroethene	ND		3.23	3.20		mg/Kg	☼	99	10 - 150
cis-1,3-Dichloropropene	ND		3.23	2.66		mg/Kg	☼	82	10 - 150
Dibromomethane	ND		3.23	3.12		mg/Kg	☼	97	10 - 150
Ethylbenzene	2.3		3.23	5.53		mg/Kg	☼	100	10 - 150
Dichlorodifluoromethane	ND		3.23	3.05		mg/Kg	☼	94	10 - 150
Hexachlorobutadiene	ND		3.23	2.03		mg/Kg	☼	63	10 - 150
Isopropylbenzene	8.3	F1	3.23	13.9	F1	mg/Kg	☼	174	10 - 150
Methylene Chloride	2.2	B	3.23	5.31		mg/Kg	☼	96	24 - 150
Naphthalene	8.7		3.23	11.9		mg/Kg	☼	98	10 - 150
N-Propylbenzene	18		3.23	25.2	4	mg/Kg	☼	237	10 - 150
p-Isopropyltoluene	17		3.23	24.2	4	mg/Kg	☼	214	10 - 150
sec-Butylbenzene	19		3.23	25.2	4	mg/Kg	☼	198	10 - 150
Styrene	ND		3.23	2.65		mg/Kg	☼	82	10 - 150
tert-Butylbenzene	1.8		3.23	4.02		mg/Kg	☼	68	10 - 150
Tetrachloroethene	0.70		3.23	3.41		mg/Kg	☼	84	10 - 150
Toluene	0.098	J	3.23	2.94		mg/Kg	☼	88	17 - 150
trans-1,2-Dichloroethene	ND		3.23	3.09		mg/Kg	☼	96	10 - 150
trans-1,3-Dichloropropene	ND		3.23	2.60		mg/Kg	☼	80	10 - 150
Trichloroethene	0.16		3.23	3.15		mg/Kg	☼	93	10 - 150
Trichlorofluoromethane	ND		3.23	3.25		mg/Kg	☼	101	10 - 150
Methyl tert-butyl ether	ND		3.23	3.27		mg/Kg	☼	101	10 - 150
Vinyl chloride	ND		3.23	3.20		mg/Kg	☼	99	10 - 150
n-Butylbenzene	19	E	3.23	25.3	E 4	mg/Kg	☼	202	10 - 150
Xylenes, Total	11		6.46	19.4		mg/Kg	☼	124	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*
4-Bromofluorobenzene (Surr)	*251*	*X*	*70 - 130*
Dibromofluoromethane (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*106*		*70 - 130*

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

Lab Sample ID: 490-106667-2 MSD
Matrix: Solid
Analysis Batch: 352491

Client Sample ID: B2
Prep Type: Total/NA
Prep Batch: 352341

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		3.23	2.84		mg/Kg	☼	88	10 - 150	2	50
1,1,1-Trichloroethane	ND		3.23	3.24		mg/Kg	☼	100	10 - 150	1	50
1,1,2,2-Tetrachloroethane	ND	F1 F2	3.23	66.8	E F1 F2	mg/Kg	☼	2068	10 - 150	106	50
1,1,2-Trichloroethane	ND	F1	3.23	6.29	F1	mg/Kg	☼	195	10 - 150	1	50
1,1-Dichloroethane	0.11	J	3.23	3.24		mg/Kg	☼	97	10 - 150	2	50
1,1-Dichloroethene	ND		3.23	3.31		mg/Kg	☼	103	10 - 150	6	50
1,1-Dichloropropene	ND		3.23	3.06		mg/Kg	☼	95	10 - 150	1	50
1,2,3-Trichlorobenzene	ND		3.23	1.87		mg/Kg	☼	58	10 - 150	4	50
1,2,3-Trichloropropane	ND	F1	3.23	44.5	E F1	mg/Kg	☼	1378	10 - 150	1	50
1,2,4-Trichlorobenzene	ND		3.23	1.76		mg/Kg	☼	55	10 - 150	5	50
1,2,4-Trimethylbenzene	68	E B	3.23	85.5	E 4	mg/Kg	☼	549	10 - 150	3	50
1,2-Dibromo-3-Chloropropane	ND		3.23	2.24		mg/Kg	☼	69	10 - 150	3	50
1,2-Dibromoethane (EDB)	ND		3.23	2.73		mg/Kg	☼	85	10 - 150	7	50
1,2-Dichlorobenzene	ND		3.23	1.91		mg/Kg	☼	59	10 - 150	9	50
1,2-Dichloroethane	ND		3.23	3.01		mg/Kg	☼	93	24 - 138	3	50
1,2-Dichloropropane	ND		3.23	3.08		mg/Kg	☼	96	10 - 150	3	50
1,3,5-Trimethylbenzene	31	E B	3.23	38.2	E 4	mg/Kg	☼	221	10 - 150	12	50
1,3-Dichlorobenzene	ND		3.23	1.65		mg/Kg	☼	51	10 - 150	8	50
1,3-Dichloropropane	ND		3.23	2.81		mg/Kg	☼	87	10 - 150	5	50
1,4-Dichlorobenzene	ND		3.23	1.63		mg/Kg	☼	51	10 - 150	9	50
2,2-Dichloropropane	ND		3.23	2.89		mg/Kg	☼	90	10 - 150	1	50
2-Butanone (MEK)	ND		16.1	16.7		mg/Kg	☼	103	10 - 150	4	50
2-Chlorotoluene	ND	F1	3.23	16.6	F1	mg/Kg	☼	516	10 - 150	8	50
2-Hexanone	1.6	J	16.1	16.5		mg/Kg	☼	92	10 - 150	6	50
4-Chlorotoluene	ND	F1	3.23	4.46		mg/Kg	☼	138	10 - 150	10	50
4-Methyl-2-pentanone (MIBK)	ND		16.1	15.2		mg/Kg	☼	94	10 - 150	4	50
Bromobenzene	ND	F1	3.23	6.23	F1	mg/Kg	☼	193	10 - 150	12	50
Acetone	ND		16.1	16.9		mg/Kg	☼	105	10 - 150	5	50
Benzene	ND		3.23	3.08		mg/Kg	☼	95	21 - 150	2	50
Bromochloromethane	ND		3.23	3.03		mg/Kg	☼	94	10 - 150	2	50
Bromodichloromethane	ND		3.23	2.85		mg/Kg	☼	88	10 - 150	5	50
Bromoform	ND		3.23	2.78		mg/Kg	☼	86	10 - 150	4	50
Bromomethane	ND		3.23	2.86		mg/Kg	☼	89	10 - 150	7	50
Carbon disulfide	ND		3.23	2.98		mg/Kg	☼	92	10 - 150	1	50
Carbon tetrachloride	ND		3.23	3.28		mg/Kg	☼	101	10 - 150	1	50
Chlorobenzene	ND		3.23	2.55		mg/Kg	☼	79	10 - 150	3	50
Chlorodibromomethane	ND		3.23	2.92		mg/Kg	☼	90	10 - 150	5	50
Chloroethane	ND		3.23	2.16		mg/Kg	☼	67	10 - 150	18	50
Chloroform	ND		3.23	3.07		mg/Kg	☼	95	10 - 150	0	50
Chloromethane	ND		3.23	3.03		mg/Kg	☼	94	10 - 150	4	50
cis-1,2-Dichloroethene	ND		3.23	3.13		mg/Kg	☼	97	10 - 150	2	50
cis-1,3-Dichloropropene	ND		3.23	2.49		mg/Kg	☼	77	10 - 150	7	50
Dibromomethane	ND		3.23	3.09		mg/Kg	☼	96	10 - 150	1	50
Ethylbenzene	2.3		3.23	5.29		mg/Kg	☼	93	10 - 150	4	50
Dichlorodifluoromethane	ND		3.23	3.13		mg/Kg	☼	97	10 - 150	3	50
Hexachlorobutadiene	ND		3.23	1.99		mg/Kg	☼	62	10 - 150	2	50
Isopropylbenzene	8.3	F1	3.23	13.3	F1	mg/Kg	☼	155	10 - 150	4	50
Methylene Chloride	2.2	B	3.23	5.25		mg/Kg	☼	94	24 - 150	1	50

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

Lab Sample ID: 490-106667-2 MSD
Matrix: Solid
Analysis Batch: 352491

Client Sample ID: B2
Prep Type: Total/NA
Prep Batch: 352341

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene	8.7		3.23	11.4		mg/Kg	☼	84	10 - 150	4	50
N-Propylbenzene	18		3.23	23.8	4	mg/Kg	☼	194	10 - 150	6	50
p-Isopropyltoluene	17		3.23	22.3	4	mg/Kg	☼	155	10 - 150	8	50
sec-Butylbenzene	19		3.23	25.1	4	mg/Kg	☼	197	10 - 150	0	50
Styrene	ND		3.23	2.50		mg/Kg	☼	77	10 - 150	6	50
tert-Butylbenzene	1.8		3.23	4.20		mg/Kg	☼	74	10 - 150	4	50
Tetrachloroethene	0.70		3.23	3.25		mg/Kg	☼	79	10 - 150	5	50
Toluene	0.098	J	3.23	2.82		mg/Kg	☼	84	17 - 150	4	50
trans-1,2-Dichloroethene	ND		3.23	2.99		mg/Kg	☼	93	10 - 150	3	50
trans-1,3-Dichloropropene	ND		3.23	2.41		mg/Kg	☼	75	10 - 150	7	50
Trichloroethene	0.16		3.23	3.14		mg/Kg	☼	92	10 - 150	0	50
Trichlorofluoromethane	ND		3.23	3.24		mg/Kg	☼	100	10 - 150	0	50
Methyl tert-butyl ether	ND		3.23	3.19		mg/Kg	☼	99	10 - 150	2	50
Vinyl chloride	ND		3.23	3.27		mg/Kg	☼	101	10 - 150	2	50
n-Butylbenzene	19	E	3.23	24.0	E 4	mg/Kg	☼	162	10 - 150	5	50
Xylenes, Total	11		6.46	18.6		mg/Kg	☼	111	10 - 150	4	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*
4-Bromofluorobenzene (Surr)	*266*	*X*	*70 - 130*
Dibromofluoromethane (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: 490-106667-4 MS
Matrix: Solid
Analysis Batch: 352790

Client Sample ID: B4
Prep Type: Total/NA
Prep Batch: 352341

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		2.90	2.56		mg/Kg	☼	88	10 - 150
1,1,1-Trichloroethane	ND		2.90	2.84		mg/Kg	☼	98	10 - 150
1,1,2,2-Tetrachloroethane	ND	F1	2.90	11.4	F1	mg/Kg	☼	394	10 - 150
1,1,2-Trichloroethane	ND	F1	2.90	5.48	F1	mg/Kg	☼	189	10 - 150
1,1-Dichloroethane	ND		2.90	2.63		mg/Kg	☼	91	10 - 150
1,1-Dichloroethene	ND		2.90	2.68		mg/Kg	☼	92	10 - 150
1,1-Dichloropropene	ND		2.90	3.09		mg/Kg	☼	107	10 - 150
1,2,3-Trichlorobenzene	ND		2.90	3.95		mg/Kg	☼	136	10 - 150
1,2,3-Trichloropropane	ND		2.90	3.63		mg/Kg	☼	125	10 - 150
1,2,4-Trichlorobenzene	ND		2.90	4.18		mg/Kg	☼	144	10 - 150
1,2,4-Trimethylbenzene	0.43		2.90	4.77		mg/Kg	☼	149	10 - 150
1,2-Dibromo-3-Chloropropane	ND		2.90	2.77		mg/Kg	☼	95	10 - 150
1,2-Dibromoethane (EDB)	ND		2.90	2.60		mg/Kg	☼	90	10 - 150
1,2-Dichlorobenzene	ND		2.90	2.99		mg/Kg	☼	103	10 - 150
1,2-Dichloroethane	ND		2.90	2.56		mg/Kg	☼	88	24 - 138
1,2-Dichloropropane	ND		2.90	2.77		mg/Kg	☼	95	10 - 150
1,3,5-Trimethylbenzene	1.2	F1	2.90	5.57	F1	mg/Kg	☼	151	10 - 150
1,3-Dichlorobenzene	ND		2.90	3.08		mg/Kg	☼	106	10 - 150
1,3-Dichloropropane	ND		2.90	2.52		mg/Kg	☼	87	10 - 150
1,4-Dichlorobenzene	ND		2.90	3.25		mg/Kg	☼	112	10 - 150

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

Lab Sample ID: 490-106667-4 MS
Matrix: Solid
Analysis Batch: 352790

Client Sample ID: B4
Prep Type: Total/NA
Prep Batch: 352341

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	ND		2.90	2.95		mg/Kg	☼	102	10 - 150
2-Butanone (MEK)	ND		14.5	13.6		mg/Kg	☼	94	10 - 150
2-Chlorotoluene	ND	F1	2.90	3.78		mg/Kg	☼	130	10 - 150
2-Hexanone	ND		14.5	14.8		mg/Kg	☼	102	10 - 150
4-Chlorotoluene	ND	F1	2.90	4.96	F1	mg/Kg	☼	171	10 - 150
4-Methyl-2-pentanone (MIBK)	ND		14.5	13.1		mg/Kg	☼	90	10 - 150
Bromobenzene	ND		2.90	4.29		mg/Kg	☼	148	10 - 150
Acetone	ND		14.5	11.3		mg/Kg	☼	78	10 - 150
Benzene	ND		2.90	2.93		mg/Kg	☼	101	21 - 150
Bromochloromethane	ND		2.90	2.63		mg/Kg	☼	91	10 - 150
Bromodichloromethane	ND		2.90	2.74		mg/Kg	☼	95	10 - 150
Bromoform	ND		2.90	1.78		mg/Kg	☼	61	10 - 150
Bromomethane	ND	*	2.90	0.785		mg/Kg	☼	27	10 - 150
Carbon disulfide	ND	F2	2.90	2.38		mg/Kg	☼	82	10 - 150
Carbon tetrachloride	ND		2.90	2.85		mg/Kg	☼	98	10 - 150
Chlorobenzene	ND		2.90	2.84		mg/Kg	☼	98	10 - 150
Chlorodibromomethane	ND		2.90	2.46		mg/Kg	☼	85	10 - 150
Chloroethane	ND		2.90	1.21		mg/Kg	☼	42	10 - 150
Chloroform	ND		2.90	2.62		mg/Kg	☼	90	10 - 150
Chloromethane	ND		2.90	2.20		mg/Kg	☼	76	10 - 150
cis-1,2-Dichloroethene	ND		2.90	2.58		mg/Kg	☼	89	10 - 150
cis-1,3-Dichloropropene	ND		2.90	2.52		mg/Kg	☼	87	10 - 150
Dibromomethane	ND		2.90	2.59		mg/Kg	☼	89	10 - 150
Ethylbenzene	1.6		2.90	5.01		mg/Kg	☼	116	10 - 150
Dichlorodifluoromethane	ND		2.90	2.77		mg/Kg	☼	95	10 - 150
Hexachlorobutadiene	ND		2.90	3.27		mg/Kg	☼	113	10 - 150
Isopropylbenzene	4.9		2.90	8.34		mg/Kg	☼	117	10 - 150
Methylene Chloride	0.25	J	2.90	2.65		mg/Kg	☼	83	24 - 150
Naphthalene	4.3	B F1	2.90	10.1	F1	mg/Kg	☼	199	10 - 150
N-Propylbenzene	11	F1	2.90	21.8	F1	mg/Kg	☼	359	10 - 150
p-Isopropyltoluene	0.43	F1	2.90	5.30	F1	mg/Kg	☼	168	10 - 150
sec-Butylbenzene	11	F1	2.90	22.5	F1	mg/Kg	☼	383	10 - 150
Styrene	ND		2.90	2.96		mg/Kg	☼	102	10 - 150
tert-Butylbenzene	0.94		2.90	5.12		mg/Kg	☼	144	10 - 150
Tetrachloroethene	ND		2.90	2.90		mg/Kg	☼	100	10 - 150
Toluene	ND		2.90	2.91		mg/Kg	☼	100	17 - 150
trans-1,2-Dichloroethene	ND		2.90	2.61		mg/Kg	☼	90	10 - 150
trans-1,3-Dichloropropene	ND		2.90	2.47		mg/Kg	☼	85	10 - 150
Trichloroethene	ND		2.90	3.19		mg/Kg	☼	110	10 - 150
Trichlorofluoromethane	ND		2.90	2.04		mg/Kg	☼	70	10 - 150
Methyl tert-butyl ether	ND		2.90	3.05		mg/Kg	☼	105	10 - 150
Vinyl chloride	ND		2.90	2.64		mg/Kg	☼	91	10 - 150
n-Butylbenzene	13		2.90	25.5	E 4	mg/Kg	☼	436	10 - 150
Xylenes, Total	ND		5.80	6.38		mg/Kg	☼	110	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 130*
4-Bromofluorobenzene (Surr)	*306*	*X*	*70 - 130*

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

Lab Sample ID: 490-106667-4 MS
Matrix: Solid
Analysis Batch: 352790

Client Sample ID: B4
Prep Type: Total/NA
Prep Batch: 352341

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	*89*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: 490-106667-4 MSD
Matrix: Solid
Analysis Batch: 352790

Client Sample ID: B4
Prep Type: Total/NA
Prep Batch: 352341

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		2.90	2.56		mg/Kg	☼	88	10 - 150	0	50
1,1,1-Trichloroethane	ND		2.90	2.84		mg/Kg	☼	98	10 - 150	0	50
1,1,2,2-Tetrachloroethane	ND	F1	2.90	11.4	F1	mg/Kg	☼	394	10 - 150	0	50
1,1,2-Trichloroethane	ND	F1	2.90	5.69	F1	mg/Kg	☼	196	10 - 150	4	50
1,1-Dichloroethane	ND		2.90	2.64		mg/Kg	☼	91	10 - 150	1	50
1,1-Dichloroethene	ND		2.90	2.62		mg/Kg	☼	90	10 - 150	2	50
1,1-Dichloropropene	ND		2.90	3.17		mg/Kg	☼	109	10 - 150	2	50
1,2,3-Trichlorobenzene	ND		2.90	4.04		mg/Kg	☼	139	10 - 150	2	50
1,2,3-Trichloropropane	ND		2.90	3.76		mg/Kg	☼	130	10 - 150	3	50
1,2,4-Trichlorobenzene	ND		2.90	4.06		mg/Kg	☼	140	10 - 150	3	50
1,2,4-Trimethylbenzene	0.43		2.90	4.62		mg/Kg	☼	144	10 - 150	3	50
1,2-Dibromo-3-Chloropropane	ND		2.90	2.95		mg/Kg	☼	102	10 - 150	6	50
1,2-Dibromoethane (EDB)	ND		2.90	2.63		mg/Kg	☼	91	10 - 150	1	50
1,2-Dichlorobenzene	ND		2.90	2.97		mg/Kg	☼	102	10 - 150	1	50
1,2-Dichloroethane	ND		2.90	2.58		mg/Kg	☼	89	24 - 138	1	50
1,2-Dichloropropane	ND		2.90	2.83		mg/Kg	☼	97	10 - 150	2	50
1,3,5-Trimethylbenzene	1.2	F1	2.90	5.57	F1	mg/Kg	☼	151	10 - 150	0	50
1,3-Dichlorobenzene	ND		2.90	3.04		mg/Kg	☼	105	10 - 150	1	50
1,3-Dichloropropane	ND		2.90	2.53		mg/Kg	☼	87	10 - 150	0	50
1,4-Dichlorobenzene	ND		2.90	3.18		mg/Kg	☼	110	10 - 150	2	50
2,2-Dichloropropane	ND		2.90	2.94		mg/Kg	☼	101	10 - 150	0	50
2-Butanone (MEK)	ND		14.5	14.4		mg/Kg	☼	100	10 - 150	6	50
2-Chlorotoluene	ND	F1	2.90	5.96	F1	mg/Kg	☼	206	10 - 150	45	50
2-Hexanone	ND		14.5	15.9		mg/Kg	☼	109	10 - 150	7	50
4-Chlorotoluene	ND	F1	2.90	4.92	F1	mg/Kg	☼	170	10 - 150	1	50
4-Methyl-2-pentanone (MIBK)	ND		14.5	13.6		mg/Kg	☼	94	10 - 150	4	50
Bromobenzene	ND		2.90	4.28		mg/Kg	☼	148	10 - 150	0	50
Acetone	ND		14.5	11.9		mg/Kg	☼	82	10 - 150	6	50
Benzene	ND		2.90	2.95		mg/Kg	☼	102	21 - 150	1	50
Bromochloromethane	ND		2.90	2.57		mg/Kg	☼	89	10 - 150	2	50
Bromodichloromethane	ND		2.90	2.77		mg/Kg	☼	96	10 - 150	1	50
Bromoform	ND		2.90	1.81		mg/Kg	☼	62	10 - 150	2	50
Bromomethane	ND	*	2.90	0.844		mg/Kg	☼	29	10 - 150	7	50
Carbon disulfide	ND	F2	2.90	1.12	F2	mg/Kg	☼	39	10 - 150	72	50
Carbon tetrachloride	ND		2.90	2.78		mg/Kg	☼	96	10 - 150	2	50
Chlorobenzene	ND		2.90	2.83		mg/Kg	☼	97	10 - 150	1	50
Chlorodibromomethane	ND		2.90	2.43		mg/Kg	☼	84	10 - 150	1	50
Chloroethane	ND		2.90	1.08		mg/Kg	☼	37	10 - 150	12	50
Chloroform	ND		2.90	2.63		mg/Kg	☼	91	10 - 150	0	50
Chloromethane	ND		2.90	2.50		mg/Kg	☼	86	10 - 150	13	50

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

Lab Sample ID: 490-106667-4 MSD
Matrix: Solid
Analysis Batch: 352790

Client Sample ID: B4
Prep Type: Total/NA
Prep Batch: 352341

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	ND		2.90	2.66		mg/Kg	☼	92	10 - 150	3	50
cis-1,3-Dichloropropene	ND		2.90	2.55		mg/Kg	☼	88	10 - 150	1	50
Dibromomethane	ND		2.90	2.63		mg/Kg	☼	91	10 - 150	2	50
Ethylbenzene	1.6		2.90	5.05		mg/Kg	☼	117	10 - 150	1	50
Dichlorodifluoromethane	ND		2.90	2.74		mg/Kg	☼	95	10 - 150	1	50
Hexachlorobutadiene	ND		2.90	3.07		mg/Kg	☼	106	10 - 150	6	50
Isopropylbenzene	4.9		2.90	8.39		mg/Kg	☼	119	10 - 150	1	50
Methylene Chloride	0.25	J	2.90	2.65		mg/Kg	☼	83	24 - 150	0	50
Naphthalene	4.3	B F1	2.90	10.9	F1	mg/Kg	☼	225	10 - 150	7	50
N-Propylbenzene	11	F1	2.90	23.5	E F1	mg/Kg	☼	417	10 - 150	7	50
p-Isopropyltoluene	0.43	F1	2.90	5.18	F1	mg/Kg	☼	164	10 - 150	2	50
sec-Butylbenzene	11	F1	2.90	22.6	F1	mg/Kg	☼	385	10 - 150	0	50
Styrene	ND		2.90	2.93		mg/Kg	☼	101	10 - 150	1	50
tert-Butylbenzene	0.94		2.90	5.07		mg/Kg	☼	142	10 - 150	1	50
Tetrachloroethene	ND		2.90	2.78		mg/Kg	☼	96	10 - 150	4	50
Toluene	ND		2.90	2.93		mg/Kg	☼	101	17 - 150	0	50
trans-1,2-Dichloroethene	ND		2.90	2.70		mg/Kg	☼	93	10 - 150	3	50
trans-1,3-Dichloropropene	ND		2.90	2.55		mg/Kg	☼	88	10 - 150	3	50
Trichloroethene	ND		2.90	3.17		mg/Kg	☼	109	10 - 150	1	50
Trichlorofluoromethane	ND		2.90	1.88		mg/Kg	☼	65	10 - 150	8	50
Methyl tert-butyl ether	ND		2.90	3.07		mg/Kg	☼	106	10 - 150	1	50
Vinyl chloride	ND		2.90	2.75		mg/Kg	☼	95	10 - 150	4	50
n-Butylbenzene	13		2.90	25.6	E 4	mg/Kg	☼	439	10 - 150	0	50
Xylenes, Total	ND		5.80	6.51		mg/Kg	☼	112	10 - 150	2	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*315*	*X*	*70 - 130*
Dibromofluoromethane (Surr)	*88*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*

Lab Sample ID: MB 490-352790/10
Matrix: Solid
Analysis Batch: 352790

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
1,1,1-Trichloroethane	ND		0.10	0.046	mg/Kg			07/05/16 14:46	1
1,1,2,2-Tetrachloroethane	ND		0.10	0.050	mg/Kg			07/05/16 14:46	1
1,1,2-Trichloroethane	ND		0.25	0.070	mg/Kg			07/05/16 14:46	1
1,1-Dichloroethane	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
1,1-Dichloroethene	ND		0.10	0.029	mg/Kg			07/05/16 14:46	1
1,1-Dichloropropene	ND		0.10	0.026	mg/Kg			07/05/16 14:46	1
1,2,3-Trichlorobenzene	0.0276	J	0.10	0.019	mg/Kg			07/05/16 14:46	1
1,2,3-Trichloropropane	ND		0.10	0.028	mg/Kg			07/05/16 14:46	1
1,2,4-Trichlorobenzene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
1,2,4-Trimethylbenzene	ND		0.10	0.050	mg/Kg			07/05/16 14:46	1
1,2-Dibromo-3-Chloropropane	ND		0.25	0.035	mg/Kg			07/05/16 14:46	1

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

Lab Sample ID: MB 490-352790/10
Matrix: Solid
Analysis Batch: 352790

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 (EDB)	ND		0.10	0.050	mg/Kg			07/05/16 14:46	1
1,2-Dichlorobenzene	ND		0.10	0.017	mg/Kg			07/05/16 14:46	1
1,2-Dichloroethane	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
1,2-Dichloropropane	ND		0.10	0.047	mg/Kg			07/05/16 14:46	1
1,3,5-Trimethylbenzene	ND		0.10	0.038	mg/Kg			07/05/16 14:46	1
1,3-Dichlorobenzene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
1,3-Dichloropropane	ND		0.10	0.047	mg/Kg			07/05/16 14:46	1
1,4-Dichlorobenzene	ND		0.10	0.047	mg/Kg			07/05/16 14:46	1
2,2-Dichloropropane	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
2-Butanone (MEK)	ND		2.5	0.26	mg/Kg			07/05/16 14:46	1
2-Chlorotoluene	ND		0.10	0.046	mg/Kg			07/05/16 14:46	1
2-Hexanone	ND		2.5	0.84	mg/Kg			07/05/16 14:46	1
4-Chlorotoluene	ND		0.10	0.042	mg/Kg			07/05/16 14:46	1
4-Methyl-2-pentanone (MIBK)	ND		2.5	0.85	mg/Kg			07/05/16 14:46	1
Bromobenzene	ND		0.10	0.036	mg/Kg			07/05/16 14:46	1
Acetone	ND		2.5	2.0	mg/Kg			07/05/16 14:46	1
Benzene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
Bromochloromethane	ND		0.10	0.028	mg/Kg			07/05/16 14:46	1
Bromodichloromethane	ND		0.10	0.028	mg/Kg			07/05/16 14:46	1
Bromoform	ND		0.10	0.028	mg/Kg			07/05/16 14:46	1
Bromomethane	ND		0.10	0.060	mg/Kg			07/05/16 14:46	1
Carbon disulfide	ND		0.25	0.18	mg/Kg			07/05/16 14:46	1
Carbon tetrachloride	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
Chlorobenzene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
Chlorodibromomethane	ND		0.10	0.017	mg/Kg			07/05/16 14:46	1
Chloroethane	ND		0.25	0.095	mg/Kg			07/05/16 14:46	1
Chloroform	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
Chloromethane	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
cis-1,2-Dichloroethene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
cis-1,3-Dichloropropene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
Dibromomethane	ND		0.10	0.028	mg/Kg			07/05/16 14:46	1
Ethylbenzene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
Dichlorodifluoromethane	ND		0.10	0.050	mg/Kg			07/05/16 14:46	1
Hexachlorobutadiene	ND		0.25	0.055	mg/Kg			07/05/16 14:46	1
Isopropylbenzene	ND		0.10	0.021	mg/Kg			07/05/16 14:46	1
Methylene Chloride	ND		0.50	0.050	mg/Kg			07/05/16 14:46	1
Naphthalene	0.124	J	0.25	0.085	mg/Kg			07/05/16 14:46	1
N-Propylbenzene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
p-Isopropyltoluene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
sec-Butylbenzene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
Styrene	ND		0.10	0.055	mg/Kg			07/05/16 14:46	1
tert-Butylbenzene	ND		0.10	0.050	mg/Kg			07/05/16 14:46	1
Tetrachloroethene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
Toluene	ND		0.10	0.037	mg/Kg			07/05/16 14:46	1
trans-1,2-Dichloroethene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
trans-1,3-Dichloropropene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
Trichloroethene	ND		0.10	0.050	mg/Kg			07/05/16 14:46	1
Trichlorofluoromethane	ND		0.10	0.050	mg/Kg			07/05/16 14:46	1

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

Lab Sample ID: MB 490-352790/10
Matrix: Solid
Analysis Batch: 352790

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.10	0.050	mg/Kg			07/05/16 14:46	1
Vinyl chloride	ND		0.10	0.055	mg/Kg			07/05/16 14:46	1
n-Butylbenzene	ND		0.10	0.050	mg/Kg			07/05/16 14:46	1
Xylenes, Total	ND		0.15	0.062	mg/Kg			07/05/16 14:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*07/05/16 14:46*	*1*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*07/05/16 14:46*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*07/05/16 14:46*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*07/05/16 14:46*	*1*

Lab Sample ID: LCS 490-352790/7
Matrix: Solid
Analysis Batch: 352790

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	2.50	2.34		mg/Kg		94	70 - 130
1,1,1-Trichloroethane	2.50	2.48		mg/Kg		99	70 - 130
1,1,2,2-Tetrachloroethane	2.50	2.31		mg/Kg		93	61 - 134
1,1,2-Trichloroethane	2.50	2.19		mg/Kg		88	70 - 130
1,1-Dichloroethane	2.50	2.34		mg/Kg		94	70 - 130
1,1-Dichloroethene	2.50	2.42		mg/Kg		97	70 - 131
1,1-Dichloropropene	2.50	2.71		mg/Kg		108	70 - 130
1,2,3-Trichlorobenzene	2.50	2.74		mg/Kg		110	57 - 146
1,2,3-Trichloropropane	2.50	2.19		mg/Kg		88	60 - 139
1,2,4-Trichlorobenzene	2.50	2.84		mg/Kg		114	47 - 150
1,2,4-Trimethylbenzene	2.50	2.73		mg/Kg		109	70 - 140
1,2-Dibromo-3-Chloropropane	2.50	2.08		mg/Kg		83	47 - 144
1,2-Dibromoethane (EDB)	2.50	2.43		mg/Kg		97	69 - 130
1,2-Dichlorobenzene	2.50	2.44		mg/Kg		98	70 - 134
1,2-Dichloroethane	2.50	2.28		mg/Kg		91	65 - 134
1,2-Dichloropropane	2.50	2.40		mg/Kg		96	70 - 130
1,3,5-Trimethylbenzene	2.50	2.68		mg/Kg		107	69 - 141
1,3-Dichlorobenzene	2.50	2.56		mg/Kg		102	69 - 137
1,3-Dichloropropane	2.50	2.40		mg/Kg		96	70 - 130
1,4-Dichlorobenzene	2.50	2.33		mg/Kg		93	66 - 134
2,2-Dichloropropane	2.50	2.56		mg/Kg		102	57 - 150
2-Butanone (MEK)	12.5	12.1		mg/Kg		96	50 - 149
2-Chlorotoluene	2.50	2.49		mg/Kg		99	70 - 132
2-Hexanone	12.5	11.0		mg/Kg		88	47 - 148
4-Chlorotoluene	2.50	2.62		mg/Kg		105	67 - 135
4-Methyl-2-pentanone (MIBK)	12.5	10.9		mg/Kg		88	48 - 150
Bromobenzene	2.50	2.52		mg/Kg		101	67 - 130
Acetone	12.5	9.38		mg/Kg		75	45 - 145
Benzene	2.50	2.61		mg/Kg		104	70 - 130
Bromochloromethane	2.50	2.35		mg/Kg		94	70 - 133
Bromodichloromethane	2.50	2.45		mg/Kg		98	70 - 130
Bromoform	2.50	2.10		mg/Kg		84	59 - 137

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

Lab Sample ID: LCS 490-352790/7
Matrix: Solid
Analysis Batch: 352790

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	2.50	0.691	*	mg/Kg		28	32 - 150
Carbon disulfide	2.50	2.33		mg/Kg		93	66 - 138
Carbon tetrachloride	2.50	2.48		mg/Kg		99	70 - 131
Chlorobenzene	2.50	2.55		mg/Kg		102	70 - 130
Chlorodibromomethane	2.50	2.23		mg/Kg		89	70 - 130
Chloroethane	2.50	1.00		mg/Kg		40	37 - 150
Chloroform	2.50	2.37		mg/Kg		95	70 - 130
Chloromethane	2.50	2.02		mg/Kg		81	53 - 150
cis-1,2-Dichloroethene	2.50	2.38		mg/Kg		95	70 - 132
cis-1,3-Dichloropropene	2.50	2.48		mg/Kg		99	70 - 130
Dibromomethane	2.50	2.32		mg/Kg		93	70 - 130
Ethylbenzene	2.50	2.69		mg/Kg		108	70 - 130
Dichlorodifluoromethane	2.50	2.61		mg/Kg		105	32 - 150
Hexachlorobutadiene	2.50	2.30		mg/Kg		92	64 - 137
Isopropylbenzene	2.50	2.82		mg/Kg		113	70 - 130
Methylene Chloride	2.50	2.25		mg/Kg		90	69 - 130
Naphthalene	2.50	2.73		mg/Kg		109	55 - 149
N-Propylbenzene	2.50	2.79		mg/Kg		112	62 - 150
p-Isopropyltoluene	2.50	2.87		mg/Kg		115	66 - 147
sec-Butylbenzene	2.50	2.90		mg/Kg		116	68 - 147
Styrene	2.50	2.70		mg/Kg		108	70 - 131
tert-Butylbenzene	2.50	2.90		mg/Kg		116	70 - 138
Tetrachloroethene	2.50	2.46		mg/Kg		99	70 - 130
Toluene	2.50	2.62		mg/Kg		105	70 - 130
trans-1,2-Dichloroethene	2.50	2.39		mg/Kg		96	70 - 130
trans-1,3-Dichloropropene	2.50	2.44		mg/Kg		98	67 - 130
Trichloroethene	2.50	2.71		mg/Kg		108	70 - 130
Trichlorofluoromethane	2.50	1.64		mg/Kg		66	53 - 150
Methyl tert-butyl ether	2.50	2.72		mg/Kg		109	54 - 145
Vinyl chloride	2.50	2.42		mg/Kg		97	63 - 150
n-Butylbenzene	2.50	2.61		mg/Kg		104	57 - 150
Xylenes, Total	5.00	5.27		mg/Kg		105	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
Dibromofluoromethane (Surr)	*91*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 490-352790/8
Matrix: Solid
Analysis Batch: 352790

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	2.50	2.39		mg/Kg		96	70 - 130	2	41
1,1,1-Trichloroethane	2.50	2.57		mg/Kg		103	70 - 130	3	41
1,1,2,2-Tetrachloroethane	2.50	2.45		mg/Kg		98	61 - 134	6	16
1,1,2-Trichloroethane	2.50	2.30		mg/Kg		92	70 - 130	5	17

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

Lab Sample ID: LCSD 490-352790/8
Matrix: Solid
Analysis Batch: 352790

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	2.50	2.38		mg/Kg		95	70 - 130	2	42
1,1-Dichloroethene	2.50	2.41		mg/Kg		96	70 - 131	0	43
1,1-Dichloropropene	2.50	2.73		mg/Kg		109	70 - 130	1	41
1,2,3-Trichlorobenzene	2.50	2.67		mg/Kg		107	57 - 146	3	42
1,2,3-Trichloropropane	2.50	2.33		mg/Kg		93	60 - 139	6	16
1,2,4-Trichlorobenzene	2.50	2.64		mg/Kg		106	47 - 150	7	43
1,2,4-Trimethylbenzene	2.50	2.57		mg/Kg		103	70 - 140	6	38
1,2-Dibromo-3-Chloropropane	2.50	2.29		mg/Kg		91	47 - 144	9	38
1,2-Dibromoethane (EDB)	2.50	2.55		mg/Kg		102	69 - 130	5	17
1,2-Dichlorobenzene	2.50	2.42		mg/Kg		97	70 - 134	1	40
1,2-Dichloroethane	2.50	2.38		mg/Kg		95	65 - 134	5	16
1,2-Dichloropropane	2.50	2.47		mg/Kg		99	70 - 130	3	15
1,3,5-Trimethylbenzene	2.50	2.52		mg/Kg		101	69 - 141	6	38
1,3-Dichlorobenzene	2.50	2.42		mg/Kg		97	69 - 137	6	41
1,3-Dichloropropane	2.50	2.45		mg/Kg		98	70 - 130	2	15
1,4-Dichlorobenzene	2.50	2.31		mg/Kg		92	66 - 134	1	41
2,2-Dichloropropane	2.50	2.56		mg/Kg		102	57 - 150	0	42
2-Butanone (MEK)	12.5	13.1		mg/Kg		104	50 - 149	8	39
2-Chlorotoluene	2.50	2.33		mg/Kg		93	70 - 132	6	41
2-Hexanone	12.5	12.0		mg/Kg		96	47 - 148	9	38
4-Chlorotoluene	2.50	2.38		mg/Kg		95	67 - 135	10	41
4-Methyl-2-pentanone (MIBK)	12.5	11.8		mg/Kg		95	48 - 150	8	41
Bromobenzene	2.50	2.47		mg/Kg		99	67 - 130	2	40
Acetone	12.5	10.6		mg/Kg		85	45 - 145	12	38
Benzene	2.50	2.63		mg/Kg		105	70 - 130	1	37
Bromochloromethane	2.50	2.42		mg/Kg		97	70 - 133	3	15
Bromodichloromethane	2.50	2.52		mg/Kg		101	70 - 130	3	20
Bromoform	2.50	2.23		mg/Kg		89	59 - 137	6	17
Bromomethane	2.50	0.730	*	mg/Kg		29	32 - 150	5	45
Carbon disulfide	2.50	2.38		mg/Kg		95	66 - 138	2	41
Carbon tetrachloride	2.50	2.53		mg/Kg		101	70 - 131	2	41
Chlorobenzene	2.50	2.46		mg/Kg		99	70 - 130	4	40
Chlorodibromomethane	2.50	2.29		mg/Kg		92	70 - 130	3	14
Chloroethane	2.50	0.972		mg/Kg		39	37 - 150	3	50
Chloroform	2.50	2.40		mg/Kg		96	70 - 130	1	15
Chloromethane	2.50	2.00		mg/Kg		80	53 - 150	1	47
cis-1,2-Dichloroethene	2.50	2.42		mg/Kg		97	70 - 132	2	18
cis-1,3-Dichloropropene	2.50	2.50		mg/Kg		100	70 - 130	1	42
Dibromomethane	2.50	2.43		mg/Kg		97	70 - 130	5	19
Ethylbenzene	2.50	2.59		mg/Kg		104	70 - 130	4	38
Dichlorodifluoromethane	2.50	2.65		mg/Kg		106	32 - 150	1	50
Hexachlorobutadiene	2.50	2.05		mg/Kg		82	64 - 137	11	44
Isopropylbenzene	2.50	2.65		mg/Kg		106	70 - 130	6	39
Methylene Chloride	2.50	2.33		mg/Kg		93	69 - 130	3	19
Naphthalene	2.50	2.75		mg/Kg		110	55 - 149	1	37
N-Propylbenzene	2.50	2.59		mg/Kg		104	62 - 150	7	38
p-Isopropyltoluene	2.50	2.66		mg/Kg		106	66 - 147	8	38
sec-Butylbenzene	2.50	2.71		mg/Kg		108	68 - 147	7	38

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

Lab Sample ID: LCSD 490-352790/8
Matrix: Solid
Analysis Batch: 352790

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Styrene			2.50	2.60		mg/Kg		104	70 - 131	4	40
tert-Butylbenzene			2.50	2.81		mg/Kg		113	70 - 138	3	38
Tetrachloroethene			2.50	2.34		mg/Kg		94	70 - 130	5	41
Toluene			2.50	2.57		mg/Kg		103	70 - 130	2	40
trans-1,2-Dichloroethene			2.50	2.40		mg/Kg		96	70 - 130	0	41
trans-1,3-Dichloropropene			2.50	2.48		mg/Kg		99	67 - 130	2	41
Trichloroethene			2.50	2.78		mg/Kg		111	70 - 130	3	41
Trichlorofluoromethane			2.50	1.56		mg/Kg		62	53 - 150	5	49
Methyl tert-butyl ether			2.50	2.93		mg/Kg		117	54 - 145	7	36
Vinyl chloride			2.50	2.50		mg/Kg		100	63 - 150	3	46
n-Butylbenzene			2.50	2.36		mg/Kg		95	57 - 150	10	39
Xylenes, Total			5.00	5.02		mg/Kg		100	70 - 130	5	38

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
Dibromofluoromethane (Surr)	*92*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 490-353124/8
Matrix: Solid
Analysis Batch: 353124

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
1,1,1-Trichloroethane	ND		0.0020	0.00092	mg/Kg			07/06/16 13:02	1
1,1,2,2-Tetrachloroethane	ND		0.0020	0.0010	mg/Kg			07/06/16 13:02	1
1,1,2-Trichloroethane	ND		0.0050	0.0014	mg/Kg			07/06/16 13:02	1
1,1-Dichloroethane	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
1,1-Dichloroethene	ND		0.0020	0.00058	mg/Kg			07/06/16 13:02	1
1,1-Dichloropropene	ND		0.0020	0.00052	mg/Kg			07/06/16 13:02	1
1,2,3-Trichlorobenzene	ND		0.0020	0.00038	mg/Kg			07/06/16 13:02	1
1,2,3-Trichloropropane	ND		0.0020	0.00056	mg/Kg			07/06/16 13:02	1
1,2,4-Trichlorobenzene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
1,2,4-Trimethylbenzene	ND		0.0020	0.0010	mg/Kg			07/06/16 13:02	1
1,2-Dibromo-3-Chloropropane	ND		0.0050	0.00070	mg/Kg			07/06/16 13:02	1
1,2-Dibromoethane (EDB)	ND		0.0020	0.0010	mg/Kg			07/06/16 13:02	1
1,2-Dichlorobenzene	ND		0.0020	0.00034	mg/Kg			07/06/16 13:02	1
1,2-Dichloroethane	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
1,2-Dichloropropane	ND		0.0020	0.00094	mg/Kg			07/06/16 13:02	1
1,3,5-Trimethylbenzene	ND		0.0020	0.00076	mg/Kg			07/06/16 13:02	1
1,3-Dichlorobenzene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
1,3-Dichloropropane	ND		0.0020	0.00094	mg/Kg			07/06/16 13:02	1
1,4-Dichlorobenzene	ND		0.0020	0.00094	mg/Kg			07/06/16 13:02	1
2,2-Dichloropropane	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
2-Butanone (MEK)	ND		0.050	0.0052	mg/Kg			07/06/16 13:02	1
2-Chlorotoluene	ND		0.0020	0.00092	mg/Kg			07/06/16 13:02	1
2-Hexanone	ND		0.050	0.017	mg/Kg			07/06/16 13:02	1

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

Lab Sample ID: MB 490-353124/8
Matrix: Solid
Analysis Batch: 353124

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	ND		0.0020	0.00084	mg/Kg			07/06/16 13:02	1
4-Methyl-2-pentanone (MIBK)	ND		0.050	0.017	mg/Kg			07/06/16 13:02	1
Bromobenzene	ND		0.0020	0.00072	mg/Kg			07/06/16 13:02	1
Acetone	ND		0.050	0.040	mg/Kg			07/06/16 13:02	1
Benzene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
Bromochloromethane	ND		0.0020	0.00056	mg/Kg			07/06/16 13:02	1
Bromodichloromethane	ND		0.0020	0.00056	mg/Kg			07/06/16 13:02	1
Bromoform	ND		0.0020	0.00056	mg/Kg			07/06/16 13:02	1
Bromomethane	0.00137	J	0.0020	0.0012	mg/Kg			07/06/16 13:02	1
Carbon disulfide	ND		0.0050	0.0036	mg/Kg			07/06/16 13:02	1
Carbon tetrachloride	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
Chlorobenzene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
Chlorodibromomethane	ND		0.0020	0.00034	mg/Kg			07/06/16 13:02	1
Chloroethane	ND		0.0050	0.0019	mg/Kg			07/06/16 13:02	1
Chloroform	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
Chloromethane	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
cis-1,2-Dichloroethene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
cis-1,3-Dichloropropene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
Dibromomethane	ND		0.0020	0.00056	mg/Kg			07/06/16 13:02	1
Ethylbenzene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
Dichlorodifluoromethane	ND		0.0020	0.0010	mg/Kg			07/06/16 13:02	1
Hexachlorobutadiene	ND		0.0050	0.0011	mg/Kg			07/06/16 13:02	1
Isopropylbenzene	ND		0.0020	0.00042	mg/Kg			07/06/16 13:02	1
Methylene Chloride	ND		0.010	0.0010	mg/Kg			07/06/16 13:02	1
Naphthalene	ND		0.0050	0.0017	mg/Kg			07/06/16 13:02	1
N-Propylbenzene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
p-Isopropyltoluene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
sec-Butylbenzene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
Styrene	ND		0.0020	0.0011	mg/Kg			07/06/16 13:02	1
tert-Butylbenzene	ND		0.0020	0.0010	mg/Kg			07/06/16 13:02	1
Tetrachloroethene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
Toluene	ND		0.0020	0.00074	mg/Kg			07/06/16 13:02	1
trans-1,2-Dichloroethene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
trans-1,3-Dichloropropene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
Trichloroethene	ND		0.0020	0.0010	mg/Kg			07/06/16 13:02	1
Trichlorofluoromethane	ND		0.0020	0.0010	mg/Kg			07/06/16 13:02	1
Methyl tert-butyl ether	ND		0.0020	0.0010	mg/Kg			07/06/16 13:02	1
Vinyl chloride	ND		0.0020	0.0011	mg/Kg			07/06/16 13:02	1
n-Butylbenzene	ND		0.0020	0.0010	mg/Kg			07/06/16 13:02	1
Xylenes, Total	ND		0.0030	0.0012	mg/Kg			07/06/16 13:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*07/06/16 13:02*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*07/06/16 13:02*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*07/06/16 13:02*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*07/06/16 13:02*	*1*

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

Lab Sample ID: LCS 490-353124/5
Matrix: Solid
Analysis Batch: 353124

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	2.50	2.59		mg/Kg		104	70 - 130
1,1,1-Trichloroethane	2.50	2.68		mg/Kg		107	70 - 130
1,1,2,2-Tetrachloroethane	2.50	2.49		mg/Kg		100	61 - 134
1,1,2-Trichloroethane	2.50	2.49		mg/Kg		100	70 - 130
1,1-Dichloroethane	2.50	2.77		mg/Kg		111	70 - 130
1,1-Dichloroethene	2.50	2.65		mg/Kg		106	70 - 131
1,1-Dichloropropene	2.50	2.76		mg/Kg		111	70 - 130
1,2,3-Trichlorobenzene	2.50	2.80		mg/Kg		112	57 - 146
1,2,3-Trichloropropane	2.50	2.60		mg/Kg		104	60 - 139
1,2,4-Trichlorobenzene	2.50	2.76		mg/Kg		110	47 - 150
1,2,4-Trimethylbenzene	2.50	2.69		mg/Kg		108	70 - 140
1,2-Dibromo-3-Chloropropane	2.50	2.53		mg/Kg		101	47 - 144
1,2-Dibromoethane (EDB)	2.50	2.59		mg/Kg		103	69 - 130
1,2-Dichlorobenzene	2.50	2.69		mg/Kg		108	70 - 134
1,2-Dichloroethane	2.50	2.62		mg/Kg		105	65 - 134
1,2-Dichloropropane	2.50	2.67		mg/Kg		107	70 - 130
1,3,5-Trimethylbenzene	2.50	2.60		mg/Kg		104	69 - 141
1,3-Dichlorobenzene	2.50	2.67		mg/Kg		107	69 - 137
1,3-Dichloropropane	2.50	2.61		mg/Kg		104	70 - 130
1,4-Dichlorobenzene	2.50	2.67		mg/Kg		107	66 - 134
2,2-Dichloropropane	2.50	2.72		mg/Kg		109	57 - 150
2-Butanone (MEK)	12.5	13.1		mg/Kg		105	50 - 149
2-Chlorotoluene	2.50	2.42		mg/Kg		97	70 - 132
2-Hexanone	12.5	12.4		mg/Kg		99	47 - 148
4-Chlorotoluene	2.50	2.62		mg/Kg		105	67 - 135
4-Methyl-2-pentanone (MIBK)	12.5	12.5		mg/Kg		100	48 - 150
Bromobenzene	2.50	2.55		mg/Kg		102	67 - 130
Acetone	12.5	13.3		mg/Kg		106	45 - 145
Benzene	2.50	2.72		mg/Kg		109	70 - 130
Bromochloromethane	2.50	2.59		mg/Kg		104	70 - 133
Bromodichloromethane	2.50	2.66		mg/Kg		107	70 - 130
Bromoform	2.50	2.47		mg/Kg		99	59 - 137
Bromomethane	2.50	2.91		mg/Kg		116	32 - 150
Carbon disulfide	2.50	2.62		mg/Kg		105	66 - 138
Carbon tetrachloride	2.50	2.73		mg/Kg		109	70 - 131
Chlorobenzene	2.50	2.71		mg/Kg		108	70 - 130
Chlorodibromomethane	2.50	2.56		mg/Kg		102	70 - 130
Chloroethane	2.50	2.54		mg/Kg		102	37 - 150
Chloroform	2.50	2.63		mg/Kg		105	70 - 130
Chloromethane	2.50	2.74		mg/Kg		110	53 - 150
cis-1,2-Dichloroethene	2.50	2.74		mg/Kg		110	70 - 132
cis-1,3-Dichloropropene	2.50	2.61		mg/Kg		104	70 - 130
Dibromomethane	2.50	2.69		mg/Kg		107	70 - 130
Ethylbenzene	2.50	2.63		mg/Kg		105	70 - 130
Dichlorodifluoromethane	2.50	2.66		mg/Kg		106	32 - 150
Hexachlorobutadiene	2.50	2.70		mg/Kg		108	64 - 137
Isopropylbenzene	2.50	2.65		mg/Kg		106	70 - 130
Methylene Chloride	2.50	2.66		mg/Kg		106	69 - 130

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

Lab Sample ID: LCS 490-353124/5
Matrix: Solid
Analysis Batch: 353124

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	2.50	2.70		mg/Kg		108	55 - 149
N-Propylbenzene	2.50	2.65		mg/Kg		106	62 - 150
p-Isopropyltoluene	2.50	2.71		mg/Kg		108	66 - 147
sec-Butylbenzene	2.50	2.72		mg/Kg		109	68 - 147
Styrene	2.50	2.60		mg/Kg		104	70 - 131
tert-Butylbenzene	2.50	2.67		mg/Kg		107	70 - 138
Tetrachloroethene	2.50	2.53		mg/Kg		101	70 - 130
Toluene	2.50	2.62		mg/Kg		105	70 - 130
trans-1,2-Dichloroethene	2.50	2.82		mg/Kg		113	70 - 130
trans-1,3-Dichloropropene	2.50	2.58		mg/Kg		103	67 - 130
Trichloroethene	2.50	2.75		mg/Kg		110	70 - 130
Trichlorofluoromethane	2.50	2.58		mg/Kg		103	53 - 150
Methyl tert-butyl ether	2.50	2.70		mg/Kg		108	54 - 145
Vinyl chloride	2.50	2.81		mg/Kg		113	63 - 150
n-Butylbenzene	2.50	2.67		mg/Kg		107	57 - 150
Xylenes, Total	5.00	5.25		mg/Kg		105	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
Dibromofluoromethane (Surr)	*102*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 490-353124/6
Matrix: Solid
Analysis Batch: 353124

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	2.50	2.58		mg/Kg		103	70 - 130	0	41
1,1,1-Trichloroethane	2.50	2.69		mg/Kg		108	70 - 130	0	41
1,1,2,2-Tetrachloroethane	2.50	2.66		mg/Kg		106	61 - 134	7	16
1,1,2-Trichloroethane	2.50	2.51		mg/Kg		101	70 - 130	1	17
1,1-Dichloroethane	2.50	2.73		mg/Kg		109	70 - 130	2	42
1,1-Dichloroethene	2.50	2.66		mg/Kg		106	70 - 131	0	43
1,1-Dichloropropene	2.50	2.74		mg/Kg		109	70 - 130	1	41
1,2,3-Trichlorobenzene	2.50	2.56		mg/Kg		102	57 - 146	9	42
1,2,3-Trichloropropane	2.50	2.66		mg/Kg		107	60 - 139	2	16
1,2,4-Trichlorobenzene	2.50	2.51		mg/Kg		100	47 - 150	9	43
1,2,4-Trimethylbenzene	2.50	2.59		mg/Kg		104	70 - 140	4	38
1,2-Dibromo-3-Chloropropane	2.50	2.38		mg/Kg		95	47 - 144	6	38
1,2-Dibromoethane (EDB)	2.50	2.59		mg/Kg		104	69 - 130	0	17
1,2-Dichlorobenzene	2.50	2.59		mg/Kg		103	70 - 134	4	40
1,2-Dichloroethane	2.50	2.77		mg/Kg		111	65 - 134	6	16
1,2-Dichloropropane	2.50	2.72		mg/Kg		109	70 - 130	2	15
1,3,5-Trimethylbenzene	2.50	2.58		mg/Kg		103	69 - 141	1	38
1,3-Dichlorobenzene	2.50	2.56		mg/Kg		103	69 - 137	4	41
1,3-Dichloropropane	2.50	2.66		mg/Kg		106	70 - 130	2	15
1,4-Dichlorobenzene	2.50	2.57		mg/Kg		103	66 - 134	4	41

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

Lab Sample ID: LCSD 490-353124/6
Matrix: Solid
Analysis Batch: 353124

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,2-Dichloropropane			2.50	2.72		mg/Kg		109	57 - 150	0	42
2-Butanone (MEK)			12.5	12.6		mg/Kg		101	50 - 149	4	39
2-Chlorotoluene			2.50	2.40		mg/Kg		96	70 - 132	1	41
2-Hexanone			12.5	12.6		mg/Kg		100	47 - 148	2	38
4-Chlorotoluene			2.50	2.63		mg/Kg		105	67 - 135	1	41
4-Methyl-2-pentanone (MIBK)			12.5	12.7		mg/Kg		102	48 - 150	2	41
Bromobenzene			2.50	2.59		mg/Kg		104	67 - 130	1	40
Acetone			12.5	13.7		mg/Kg		109	45 - 145	3	38
Benzene			2.50	2.75		mg/Kg		110	70 - 130	1	37
Bromochloromethane			2.50	2.66		mg/Kg		106	70 - 133	3	15
Bromodichloromethane			2.50	2.69		mg/Kg		108	70 - 130	1	20
Bromoform			2.50	2.45		mg/Kg		98	59 - 137	1	17
Bromomethane			2.50	2.90		mg/Kg		116	32 - 150	0	45
Carbon disulfide			2.50	2.62		mg/Kg		105	66 - 138	0	41
Carbon tetrachloride			2.50	2.75		mg/Kg		110	70 - 131	1	41
Chlorobenzene			2.50	2.62		mg/Kg		105	70 - 130	4	40
Chlorodibromomethane			2.50	2.59		mg/Kg		104	70 - 130	1	14
Chloroethane			2.50	2.90		mg/Kg		116	37 - 150	13	50
Chloroform			2.50	2.65		mg/Kg		106	70 - 130	1	15
Chloromethane			2.50	2.82		mg/Kg		113	53 - 150	3	47
cis-1,2-Dichloroethene			2.50	2.79		mg/Kg		112	70 - 132	2	18
cis-1,3-Dichloropropene			2.50	2.64		mg/Kg		106	70 - 130	1	42
Dibromomethane			2.50	2.74		mg/Kg		109	70 - 130	2	19
Ethylbenzene			2.50	2.56		mg/Kg		103	70 - 130	2	38
Dichlorodifluoromethane			2.50	2.71		mg/Kg		109	32 - 150	2	50
Hexachlorobutadiene			2.50	2.36		mg/Kg		94	64 - 137	14	44
Isopropylbenzene			2.50	2.57		mg/Kg		103	70 - 130	3	39
Methylene Chloride			2.50	2.72		mg/Kg		109	69 - 130	2	19
Naphthalene			2.50	2.51		mg/Kg		100	55 - 149	7	37
N-Propylbenzene			2.50	2.62		mg/Kg		105	62 - 150	1	38
p-Isopropyltoluene			2.50	2.56		mg/Kg		102	66 - 147	6	38
sec-Butylbenzene			2.50	2.63		mg/Kg		105	68 - 147	3	38
Styrene			2.50	2.55		mg/Kg		102	70 - 131	2	40
tert-Butylbenzene			2.50	2.61		mg/Kg		104	70 - 138	2	38
Tetrachloroethene			2.50	2.49		mg/Kg		100	70 - 130	2	41
Toluene			2.50	2.58		mg/Kg		103	70 - 130	1	40
trans-1,2-Dichloroethene			2.50	2.84		mg/Kg		114	70 - 130	1	41
trans-1,3-Dichloropropene			2.50	2.58		mg/Kg		103	67 - 130	0	41
Trichloroethene			2.50	2.76		mg/Kg		111	70 - 130	1	41
Trichlorofluoromethane			2.50	2.64		mg/Kg		105	53 - 150	2	49
Methyl tert-butyl ether			2.50	2.73		mg/Kg		109	54 - 145	1	36
Vinyl chloride			2.50	2.92		mg/Kg		117	63 - 150	4	46
n-Butylbenzene			2.50	2.50		mg/Kg		100	57 - 150	7	39
Xylenes, Total			5.00	5.05		mg/Kg		101	70 - 130	4	38

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*

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

Lab Sample ID: LCSD 490-353124/6
Matrix: Solid
Analysis Batch: 353124

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

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*102*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Method: Moisture - Percent Moisture

Lab Sample ID: 490-106667-1 DU
Matrix: Solid
Analysis Batch: 351912

Client Sample ID: B1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	14.4			14.5		%				0.8	20
Percent Solids	85.6			85.5		%				0.1	20

GC/MS VOA

Analysis Batch: 352221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-106667-1	B1	Total/NA	Solid	8260B	352304
490-106667-2	B2	Total/NA	Solid	8260B	352304
490-106667-3	B3	Total/NA	Solid	8260B	352304
490-106667-4	B4	Total/NA	Solid	8260B	352304
490-106667-5	B5	Total/NA	Solid	8260B	352304
490-106667-6	B6	Total/NA	Solid	8260B	352304
490-106667-7	B7	Total/NA	Solid	8260B	352304
490-106667-8	B8	Total/NA	Solid	8260B	352304
490-106758-B-2-C MS	Matrix Spike	Total/NA	Solid	8260B	352304
490-106758-B-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	352304
LCS 490-352304/2-A	Lab Control Sample	Total/NA	Solid	8260B	352304
MB 490-352304/1-A	Method Blank	Total/NA	Solid	8260B	352304

Prep Batch: 352304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-106667-1	B1	Total/NA	Solid	5035	
490-106667-2	B2	Total/NA	Solid	5035	
490-106667-3	B3	Total/NA	Solid	5035	
490-106667-4	B4	Total/NA	Solid	5035	
490-106667-5	B5	Total/NA	Solid	5035	
490-106667-6	B6	Total/NA	Solid	5035	
490-106667-7	B7	Total/NA	Solid	5035	
490-106667-8	B8	Total/NA	Solid	5035	
490-106758-B-2-C MS	Matrix Spike	Total/NA	Solid	5035	
490-106758-B-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
LCS 490-352304/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 490-352304/1-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 352341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-106667-1	B1	Total/NA	Solid	5030B	
490-106667-2	B2	Total/NA	Solid	5030B	
490-106667-2 MS	B2	Total/NA	Solid	5030B	
490-106667-2 MSD	B2	Total/NA	Solid	5030B	
490-106667-3	B3	Total/NA	Solid	5030B	
490-106667-4	B4	Total/NA	Solid	5030B	
490-106667-4 MS	B4	Total/NA	Solid	5030B	
490-106667-4 MSD	B4	Total/NA	Solid	5030B	
490-106667-5	B5	Total/NA	Solid	5030B	
490-106667-6	B6	Total/NA	Solid	5030B	
490-106667-7	B7	Total/NA	Solid	5030B	
490-106667-8	B8	Total/NA	Solid	5030B	
LCS 490-352341/2-A	Lab Control Sample	Total/NA	Solid	5030B	
MB 490-352341/1-A	Method Blank	Total/NA	Solid	5030B	

Analysis Batch: 352491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-106667-1	B1	Total/NA	Solid	8260B	352341
490-106667-2	B2	Total/NA	Solid	8260B	352341
490-106667-2 MS	B2	Total/NA	Solid	8260B	352341
490-106667-2 MSD	B2	Total/NA	Solid	8260B	352341

GC/MS VOA (Continued)

Analysis Batch: 352491 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-106667-3	B3	Total/NA	Solid	8260B	352341
490-106667-7	B7	Total/NA	Solid	8260B	352341
490-106667-8	B8	Total/NA	Solid	8260B	352341
LCS 490-352341/2-A	Lab Control Sample	Total/NA	Solid	8260B	352341
MB 490-352341/1-A	Method Blank	Total/NA	Solid	8260B	352341

Analysis Batch: 352790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-106667-2	B2	Total/NA	Solid	8260B	352341
490-106667-3	B3	Total/NA	Solid	8260B	352341
490-106667-4	B4	Total/NA	Solid	8260B	352341
490-106667-4 MS	B4	Total/NA	Solid	8260B	352341
490-106667-4 MSD	B4	Total/NA	Solid	8260B	352341
490-106667-5	B5	Total/NA	Solid	8260B	352341
LCS 490-352790/7	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-352790/8	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-352790/10	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 353124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-106667-6	B6	Total/NA	Solid	8260B	352341
LCS 490-353124/5	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-353124/6	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-353124/8	Method Blank	Total/NA	Solid	8260B	

General Chemistry

Analysis Batch: 351912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-106667-1	B1	Total/NA	Solid	Moisture	
490-106667-1 DU	B1	Total/NA	Solid	Moisture	
490-106667-2	B2	Total/NA	Solid	Moisture	
490-106667-3	B3	Total/NA	Solid	Moisture	
490-106667-4	B4	Total/NA	Solid	Moisture	
490-106667-5	B5	Total/NA	Solid	Moisture	
490-106667-6	B6	Total/NA	Solid	Moisture	
490-106667-7	B7	Total/NA	Solid	Moisture	
490-106667-8	B8	Total/NA	Solid	Moisture	
490-106771-E-1 MS	Matrix Spike	Total/NA	Solid	Moisture	
490-106771-E-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	

Client Sample ID: B1

Lab Sample ID: 490-106667-1

Date Collected: 06/27/16 09:02

Matrix: Solid

Date Received: 06/28/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			351912	06/30/16 10:00	AAB	TAL NSH

Client Sample ID: B1

Lab Sample ID: 490-106667-1

Date Collected: 06/27/16 09:02

Matrix: Solid

Date Received: 06/28/16 09:20

Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.08 g	5.0 mL	352304	07/01/16 11:52	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.08 g	5.0 mL	352221	07/01/16 14:11	EML	TAL NSH
Total/NA	Prep	5030B			5.30 g	5.0 mL	352341	07/01/16 11:51	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.30 g	5.0 mL	352491	07/03/16 16:29	EML	TAL NSH

Client Sample ID: B2

Lab Sample ID: 490-106667-2

Date Collected: 06/27/16 09:30

Matrix: Solid

Date Received: 06/28/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			351912	06/30/16 10:00	AAB	TAL NSH

Client Sample ID: B2

Lab Sample ID: 490-106667-2

Date Collected: 06/27/16 09:30

Matrix: Solid

Date Received: 06/28/16 09:20

Percent Solids: 82.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.80 g	5.0 mL	352304	07/01/16 11:52	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.80 g	5.0 mL	352221	07/01/16 15:34	EML	TAL NSH
Total/NA	Prep	5030B			5.66 g	5.0 mL	352341	07/01/16 11:51	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.66 g	5.0 mL	352491	07/03/16 18:19	EML	TAL NSH
Total/NA	Prep	5030B			5.66 g	5.0 mL	352341	07/01/16 11:51	JLP	TAL NSH
Total/NA	Analysis	8260B		20	5.66 g	5.0 mL	352790	07/05/16 19:19	EML	TAL NSH

Client Sample ID: B3

Lab Sample ID: 490-106667-3

Date Collected: 06/27/16 09:59

Matrix: Solid

Date Received: 06/28/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			351912	06/30/16 10:00	AAB	TAL NSH

Client Sample ID: B3

Lab Sample ID: 490-106667-3
Date Collected: 06/27/16 09:59
Matrix: Solid
Date Received: 06/28/16 09:20
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.39 g	5.0 mL	352304	07/01/16 11:52	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.39 g	5.0 mL	352221	07/01/16 14:39	EML	TAL NSH
Total/NA	Prep	5030B			5.52 g	5.0 mL	352341	07/01/16 11:51	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.52 g	5.0 mL	352491	07/03/16 16:57	EML	TAL NSH
Total/NA	Prep	5030B			5.52 g	5.0 mL	352341	07/01/16 11:51	JLP	TAL NSH
Total/NA	Analysis	8260B		20	5.52 g	5.0 mL	352790	07/05/16 18:50	EML	TAL NSH

Client Sample ID: B4

Lab Sample ID: 490-106667-4
Date Collected: 06/27/16 10:22
Matrix: Solid
Date Received: 06/28/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			351912	06/30/16 10:00	AAB	TAL NSH

Client Sample ID: B4

Lab Sample ID: 490-106667-4
Date Collected: 06/27/16 10:22
Matrix: Solid
Date Received: 06/28/16 09:20
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.14 g	5.0 mL	352304	07/01/16 11:52	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.14 g	5.0 mL	352221	07/01/16 16:01	EML	TAL NSH
Total/NA	Prep	5030B			5.44 g	5.0 mL	352341	07/01/16 11:51	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.44 g	5.0 mL	352790	07/05/16 17:51	EML	TAL NSH

Client Sample ID: B5

Lab Sample ID: 490-106667-5
Date Collected: 06/27/16 10:44
Matrix: Solid
Date Received: 06/28/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			351912	06/30/16 10:00	AAB	TAL NSH

Client Sample ID: B5

Lab Sample ID: 490-106667-5
Date Collected: 06/27/16 10:44
Matrix: Solid
Date Received: 06/28/16 09:20
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.60 g	5.0 mL	352304	07/01/16 11:52	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.60 g	5.0 mL	352221	07/01/16 16:29	EML	TAL NSH
Total/NA	Prep	5030B			5.35 g	5.0 mL	352341	07/01/16 11:51	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.35 g	5.0 mL	352790	07/05/16 18:20	EML	TAL NSH

Client Sample ID: B6 — **Lab Sample ID: 490-106667-6**
Date Collected: 06/27/16 11:26 — **Matrix: Solid**
Date Received: 06/28/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			351912	06/30/16 10:00	AAB	TAL NSH

Client Sample ID: B6 — **Lab Sample ID: 490-106667-6**
Date Collected: 06/27/16 11:26 — **Matrix: Solid**
Date Received: 06/28/16 09:20 — **Percent Solids: 92.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.15 g	5.0 mL	352304	07/01/16 11:52	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.15 g	5.0 mL	352221	07/01/16 15:06	EML	TAL NSH
Total/NA	Prep	5030B			5.48 g	5.0 mL	352341	07/01/16 11:51	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.48 g	5.0 mL	353124	07/06/16 15:19	EML	TAL NSH

Client Sample ID: B7 — **Lab Sample ID: 490-106667-7**
Date Collected: 06/27/16 11:59 — **Matrix: Solid**
Date Received: 06/28/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			351912	06/30/16 10:00	AAB	TAL NSH

Client Sample ID: B7 — **Lab Sample ID: 490-106667-7**
Date Collected: 06/27/16 11:59 — **Matrix: Solid**
Date Received: 06/28/16 09:20 — **Percent Solids: 91.5**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.36 g	5.0 mL	352304	07/01/16 11:52	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.36 g	5.0 mL	352221	07/01/16 16:56	EML	TAL NSH
Total/NA	Prep	5030B			5.29 g	5.0 mL	352341	07/01/16 11:51	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.29 g	5.0 mL	352491	07/03/16 19:42	EML	TAL NSH

Client Sample ID: B8 — **Lab Sample ID: 490-106667-8**
Date Collected: 06/27/16 12:22 — **Matrix: Solid**
Date Received: 06/28/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			351912	06/30/16 10:00	AAB	TAL NSH

Client Sample ID: B8 — **Lab Sample ID: 490-106667-8**
Date Collected: 06/27/16 12:22 — **Matrix: Solid**
Date Received: 06/28/16 09:20 — **Percent Solids: 90.7**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.38 g	5.0 mL	352304	07/01/16 11:52	JLP	TAL NSH

Lab Chronicle

Client: Environmental Consulting
Project/Site: 709 E. Capitol Drive, Milwaukee WI

TestAmerica Job ID: 490-106667-1

Client Sample ID: B8
Date Collected: 06/27/16 12:22
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106667-8
Matrix: Solid
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.38 g	5.0 mL	352221	07/01/16 17:24	EML	TAL NSH
Total/NA	Prep	5030B			5.39 g	5.0 mL	352341	07/01/16 11:51	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.39 g	5.0 mL	352491	07/03/16 17:52	EML	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Environmental Consulting
Project/Site: 709 E. Capitol Drive, Milwaukee WI

TestAmerica Job ID: 490-106667-1

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

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 NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Environmental Consulting
Project/Site: 709 E. Capitol Drive, Milwaukee WI

TestAmerica Job ID: 490-106667-1

Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	998020430	08-31-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

490-106667 Chain of Custody

Cooler Received/Opened On 6/28/2016 @ 0920

Time Samples Removed From Cooler_____ Time Samples Placed In Storage_____ (2 Hour Window)

1. Tracking # 4341 (last 4 digits, FedEx) Courier: _FedEx_

IR Gun ID 17610176 pH Strip Lot HC564992 Chlorine Strip Lot 012516A

2. Temperature of rep. sample or temp blank when opened: 1.2 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 2 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) DA

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) DA

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) DA

I certify that I attached a label with the unique LIMS number to each container (intial) DA

21. Were there Non-Conformance issues at login? YES NO Was a NCM generated? YES NO #490-248481

DA 6-29-16

BIS = Broken in shipment

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-3404

Chain of Custody Record

Loc: 490
106667

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

7/12/2016

Client Information	Sampler: Richard S. Werner	Lab PM: Meidhof, Marie A	Car	COC No: 490-54615-17742.1
Client Contact: Mr. Richard Werner	Phone: 610-279-7070	E-Mail: marie.meidhof@testamericainc.com		Page: Page 1 of 1
Company: Environmental Consulting				Job #: 2016.110
Address: 2002 Renaissance Boulevard Suite 110	Due Date Requested:			
City: King of Prussia	TAT Requested (days): Normal 5-day TAT			
State, Zip: PA, 19406				
Phone: 610-476-5141(Tel)	PO #: ~~Purchase Order Requested~~ 2016.110			
Email: rwerner@eciconsulting.net	WO #:			
Project Name: ~~Milwaukee WI~~ 709 E. Capitol Drive	Project #: 49010859			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Moisture - Percent Moisture/Solids	8260B - Standard 8260 List	124-TMB	135-TMB	Total Number of containers	Special Instructions/Note:
				Preservation Code:				N	~~8~~ H	H	H		
1	B1	6/27/16	0902	G	Solid				X	X	X	2	1 4oz jar + 1 25-gram Encore
2	B2		0930		Solid				X	X	X	2	
3	B3		0959		Solid				X	X	X	2	
4	B4		1022		Solid				X	X	X	2	
5	B5		1044		Solid				X	X	X	2	
6	B6		1126		Solid				X	X	X	2	
7	B7		1159		Solid				X	X	X	2	
8	B8		1222		Solid				X	X	X	2	
					Solid								
					Solid								
					Solid								

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) Results only

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		6/27/16 1631	ECI		6-28-16 0920	TAN
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Temps 1.2

Login Sample Receipt Checklist

Client: Environmental Consulting

Job Number: 490-106667-1

Login Number: 106667
List Number: 1
Creator: Armstrong, Daniel

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.2C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX D

TEST PIT SOIL SAMPLE
LABORATORY ANALYTICAL RESULTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-106678-1
Client Project/Site: 709 E. Capitol Drive, Milwaukee, WI

For:
Environmental Consulting
2002 Renaissance Boulevard
Suite 110
King of Prussia, Pennsylvania 19406

Attn: Mr. Richard S Werner

Authorized for release by:
7/12/2016 10:59:40 AM

Marie Meidhof, Project Manager II
(732)549-3900
marie.meidhof@testamericainc.com

Table of Contents

Sample Summary

Client: Environmental Consulting
Project/Site: 709 E. Capitol Drive, Milwaukee, WI

TestAmerica Job ID: 490-106678-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-106678-1	TP1	Solid	06/27/16 12:56	06/28/16 09:20
490-106678-2	TP2	Solid	06/27/16 12:57	06/28/16 09:20
490-106678-3	TP3	Solid	06/27/16 12:58	06/28/16 09:20
490-106678-4	TP4	Solid	06/27/16 12:59	06/28/16 09:20

Job ID: 490-106678-1

Laboratory: TestAmerica Nashville

Narrative

CASE NARRATIVE

Client: Environmental Consulting

Project: 709 E. Capitol Drive, Milwaukee, WI

Report Number: 490-106678-1

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 Nashville 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 6/28/2016 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.2º C.

Receipt Exceptions

Encores for the following samples were accidently discarded by the laboratory at the time of receipt: TP1 (490-106678-1), TP2 (490-106678-2), TP3 (490-106678-3) and TP4 (490-106678-4). Volatile sample analysis for these samples were prepared from the intact soil provided in the separate glass jars; please note that this soil volatile preparation took place after the bottles were used for %moisture analysis.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples TP1 (490-106678-1), TP2 (490-106678-2), TP3 (490-106678-3) and TP4 (490-106678-4) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 07/03/2016, 07/05/2016 and 07/06/2016.

Bromomethane failed the recovery criteria low for the laboratory control sample (LCS) 490-352790/7. Bromomethane failed the recovery criteria low for the laboratory control sample duplicate (LCSD) 490-352790/8.

1,2,4-Trimethylbenzene was detected in method blank MB 490-352341/1-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. 1,3,5-Trimethylbenzene and Methylene Chloride were

Job ID: 490-106678-1 (Continued)

Laboratory: TestAmerica Nashville (Continued)

detected in method blank MB 490-352341/1-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. Refer to the QC report for details.

1,2,3-Trichlorobenzene and Naphthalene were detected in method blank MB 490-352790/10 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. Bromomethane was detected in method blank MB 490-353124/8 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. Refer to the QC report for details.

4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for TP2 (490-106678-2). 4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for TP3 (490-106678-3). 4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for TP4 (490-106678-4). 4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for 490-106667-A-2-C MS. 4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for 490-106667-A-4-C MS. 4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for 490-106667-A-2-C MSD. 4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for 490-106667-A-4-C MSD. Refer to the QC report for details.

Several analytes failed the recovery criteria high for the matrix spike(MS) and matrix spike duplicate (MSD) of sample 490-106667-2 in batch 490-352491. 1,1,2,2-Tetrachloroethane exceeded the RPD limit.

Several analytes failed the recovery criteria high for the MS and MSD of sample 490-106667-4 in batch 490-352790. Carbon disulfide exceeded the RPD limit.

The presence of the '4' qualifier indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

Samples TP1 (490-106678-1)[100X], TP2 (490-106678-2)[20X], TP2 (490-106678-2)[200X], TP3 (490-106678-3)[20X], TP3 (490-106678-3)[200X], TP4 (490-106678-4)[20X] and TP4 (490-106678-4)[200X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

PERCENT SOLIDS

Samples TP1 (490-106678-1), TP2 (490-106678-2), TP3 (490-106678-3) and TP4 (490-106678-4) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 06/30/2016.

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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
E	Result exceeded calibration range.
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.
X	Surrogate is outside control limits
F2	MS/MSD RPD exceeds control limits
B	Compound was found in the blank and sample.
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Client Sample ID: TP1
Date Collected: 06/27/16 12:56
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106678-1
Matrix: Solid
Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**0.57**		0.10	0.034	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Styrene	ND		0.10	0.055	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Bromobenzene	ND		0.10	0.036	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
1,1,1,2-Tetrachloroethane	ND		0.10	0.034	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
1,1,1-Trichloroethane	ND		0.10	0.046	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
1,1,2,2-Tetrachloroethane	ND		0.10	0.050	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
1,1,2-Trichloroethane	ND		0.25	0.070	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
1,1-Dichloroethane	ND		0.10	0.034	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
1,1-Dichloroethene	ND		0.10	0.029	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
1,1-Dichloropropene	ND		0.10	0.026	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
1,2,3-Trichlorobenzene	ND		0.10	0.019	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
1,2,3-Trichloropropane	ND		0.10	0.028	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
1,2,4-Trichlorobenzene	ND		0.10	0.034	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
1,2,4-Trimethylbenzene	**800**		10	5.0	mg/Kg	☼	07/01/16 11:51	07/06/16 13:57	100
1,2-Dibromo-3-Chloropropane	ND		0.25	0.035	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
1,2-Dibromoethane (EDB)	ND		0.10	0.050	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
1,2-Dichlorobenzene	ND		0.10	0.017	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
1,2-Dichloroethane	ND		0.10	0.034	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
1,2-Dichloropropane	**0.11**		0.10	0.047	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
1,3,5-Trimethylbenzene	**14**	**B**	0.10	0.038	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
1,3-Dichlorobenzene	ND		0.10	0.034	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
1,3-Dichloropropane	ND		0.10	0.047	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
1,4-Dichlorobenzene	ND		0.10	0.047	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
2,2-Dichloropropane	ND		0.10	0.034	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
2-Butanone (MEK)	ND		2.5	0.26	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
2-Chlorotoluene	ND		0.10	0.046	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
2-Hexanone	ND		2.5	0.84	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
4-Chlorotoluene	ND		0.10	0.042	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
4-Methyl-2-pentanone (MIBK)	ND		2.5	0.85	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Acetone	ND		2.5	2.0	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Benzene	ND		0.10	0.034	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Bromochloromethane	ND		0.10	0.028	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Bromodichloromethane	ND		0.10	0.028	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Bromoform	ND		0.10	0.028	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Bromomethane	ND		0.10	0.060	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Carbon disulfide	ND		0.25	0.18	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Carbon tetrachloride	ND		0.10	0.034	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Chlorobenzene	ND		0.10	0.034	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Chlorodibromomethane	ND		0.10	0.017	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Chloroethane	ND		0.25	0.095	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Chloroform	ND		0.10	0.034	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Chloromethane	ND		0.10	0.034	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
cis-1,2-Dichloroethene	ND		0.10	0.034	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
cis-1,3-Dichloropropene	ND		0.10	0.034	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Dibromomethane	ND		0.10	0.028	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Dichlorodifluoromethane	ND		0.10	0.050	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Hexachlorobutadiene	ND		0.25	0.055	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Isopropylbenzene	**2.2**		0.10	0.021	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Methylene Chloride	**1.2**	**B**	0.50	0.050	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1

Client Sample ID: TP1
Date Collected: 06/27/16 12:56
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106678-1
Matrix: Solid
Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	2.9		0.25	0.085	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
N-Propylbenzene	4.8		0.10	0.034	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
p-Isopropyltoluene	6.0		0.10	0.034	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
sec-Butylbenzene	6.1		0.10	0.034	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
tert-Butylbenzene	0.49		0.10	0.050	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Tetrachloroethene	0.38		0.10	0.034	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Toluene	0.15		0.10	0.037	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
trans-1,2-Dichloroethene	ND		0.10	0.034	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
trans-1,3-Dichloropropene	ND		0.10	0.034	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Trichloroethene	1.1		0.10	0.050	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Trichlorofluoromethane	ND		0.10	0.050	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Vinyl chloride	ND		0.10	0.055	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Xylenes, Total	5.6		0.15	0.062	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
Methyl tert-butyl ether	ND		0.10	0.050	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1
n-Butylbenzene	7.2		0.10	0.050	mg/Kg	☼	07/01/16 11:51	07/03/16 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*	*07/01/16 11:51*	*07/03/16 20:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*	*07/01/16 11:51*	*07/06/16 13:57*	*100*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*07/01/16 11:51*	*07/03/16 20:10*	*1*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*07/01/16 11:51*	*07/06/16 13:57*	*100*
Dibromofluoromethane (Surr)	*100*		*70 - 130*	*07/01/16 11:51*	*07/03/16 20:10*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*07/01/16 11:51*	*07/06/16 13:57*	*100*
Toluene-d8 (Surr)	*102*		*70 - 130*	*07/01/16 11:51*	*07/03/16 20:10*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*07/01/16 11:51*	*07/06/16 13:57*	*100*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.2		0.1	0.1	%			06/30/16 10:00	1
Percent Solids	92.8		0.1	0.1	%			06/30/16 10:00	1

Client: Environmental Consulting
Project/Site: 709 E. Capitol Drive, Milwaukee, WI

TestAmerica Job ID: 490-106678-1

Client Sample ID: TP2
Date Collected: 06/27/16 12:57
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106678-2
Matrix: Solid
Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**15**		2.3	0.80	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Styrene	ND		2.3	1.3	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Bromobenzene	ND		2.3	0.84	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
1,1,1,2-Tetrachloroethane	ND		2.3	0.80	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
1,1,1-Trichloroethane	ND		2.3	1.1	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
1,1,2,2-Tetrachloroethane	ND		2.3	1.2	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
1,1,2-Trichloroethane	ND		5.9	1.6	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
1,1-Dichloroethane	ND		2.3	0.80	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
1,1-Dichloroethene	ND		2.3	0.68	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
1,1-Dichloropropene	ND		2.3	0.61	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
1,2,3-Trichlorobenzene	ND		2.3	0.45	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
1,2,3-Trichloropropane	ND		2.3	0.66	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
1,2,4-Trichlorobenzene	ND		2.3	0.80	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
1,2,4-Trimethylbenzene	**1600**		23	12	mg/Kg	☼	07/01/16 11:51	07/05/16 20:48	200
1,2-Dibromo-3-Chloropropane	ND		5.9	0.82	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
1,2-Dibromoethane (EDB)	ND		2.3	1.2	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
1,2-Dichlorobenzene	ND		2.3	0.40	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
1,2-Dichloroethane	ND		2.3	0.80	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
1,2-Dichloropropane	ND		2.3	1.1	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
1,3,5-Trimethylbenzene	**390**		2.3	0.89	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
1,3-Dichlorobenzene	ND		2.3	0.80	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
1,3-Dichloropropane	ND		2.3	1.1	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
1,4-Dichlorobenzene	ND		2.3	1.1	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
2,2-Dichloropropane	ND		2.3	0.80	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
2-Butanone (MEK)	ND		59	6.1	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
2-Chlorotoluene	ND		2.3	1.1	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
2-Hexanone	ND		59	20	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
4-Chlorotoluene	ND		2.3	0.98	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
4-Methyl-2-pentanone (MIBK)	ND		59	20	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Acetone	ND		59	47	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Benzene	ND		2.3	0.80	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Bromochloromethane	ND		2.3	0.66	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Bromodichloromethane	ND		2.3	0.66	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Bromoform	ND		2.3	0.66	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Bromomethane	ND	*	2.3	1.4	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Carbon disulfide	ND		5.9	4.2	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Carbon tetrachloride	ND		2.3	0.80	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Chlorobenzene	ND		2.3	0.80	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Chlorodibromomethane	ND		2.3	0.40	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Chloroethane	ND		5.9	2.2	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Chloroform	ND		2.3	0.80	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Chloromethane	ND		2.3	0.80	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
cis-1,2-Dichloroethene	ND		2.3	0.80	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
cis-1,3-Dichloropropene	ND		2.3	0.80	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Dibromomethane	ND		2.3	0.66	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Dichlorodifluoromethane	ND		2.3	1.2	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Hexachlorobutadiene	ND		5.9	1.3	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Isopropylbenzene	**66**		2.3	0.49	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Methylene Chloride	**3.9**	**J**	12	1.2	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20

Client Sample ID: TP2
Date Collected: 06/27/16 12:57
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106678-2
Matrix: Solid
Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	24	B	5.9	2.0	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
N-Propylbenzene	220		2.3	0.80	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
p-Isopropyltoluene	180		2.3	0.80	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
sec-Butylbenzene	190		2.3	0.80	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
tert-Butylbenzene	13		2.3	1.2	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Tetrachloroethene	5.5		2.3	0.80	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Toluene	1.7	J	2.3	0.87	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
trans-1,2-Dichloroethene	ND		2.3	0.80	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
trans-1,3-Dichloropropene	ND		2.3	0.80	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Trichloroethene	7.0		2.3	1.2	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Trichlorofluoromethane	ND		2.3	1.2	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Vinyl chloride	ND		2.3	1.3	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Xylenes, Total	140		3.5	1.5	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
Methyl tert-butyl ether	ND		2.3	1.2	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20
n-Butylbenzene	210		2.3	1.2	mg/Kg	☼	07/01/16 11:51	07/05/16 20:18	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*07/01/16 11:51*	*07/05/16 20:18*	*20*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*	*07/01/16 11:51*	*07/05/16 20:48*	*200*
4-Bromofluorobenzene (Surr)	*166*	*X*	*70 - 130*	*07/01/16 11:51*	*07/05/16 20:18*	*20*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*07/01/16 11:51*	*07/05/16 20:48*	*200*
Dibromofluoromethane (Surr)	*97*		*70 - 130*	*07/01/16 11:51*	*07/05/16 20:18*	*20*
Dibromofluoromethane (Surr)	*98*		*70 - 130*	*07/01/16 11:51*	*07/05/16 20:48*	*200*
Toluene-d8 (Surr)	*100*		*70 - 130*	*07/01/16 11:51*	*07/05/16 20:18*	*20*
Toluene-d8 (Surr)	*102*		*70 - 130*	*07/01/16 11:51*	*07/05/16 20:48*	*200*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11.4		0.1	0.1	%			06/30/16 10:00	1
Percent Solids	88.6		0.1	0.1	%			06/30/16 10:00	1

Client Sample ID: TP3
Date Collected: 06/27/16 12:58
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106678-3
Matrix: Solid
Percent Solids: 93.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**7.2**		2.1	0.70	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Styrene	ND		2.1	1.1	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Bromobenzene	ND		2.1	0.75	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
1,1,1,2-Tetrachloroethane	ND		2.1	0.70	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
1,1,1-Trichloroethane	ND		2.1	0.95	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
1,1,2,2-Tetrachloroethane	ND		2.1	1.0	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
1,1,2-Trichloroethane	ND		5.2	1.4	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
1,1-Dichloroethane	ND		2.1	0.70	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
1,1-Dichloroethene	ND		2.1	0.60	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
1,1-Dichloropropene	ND		2.1	0.54	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
1,2,3-Trichlorobenzene	ND		2.1	0.39	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
1,2,3-Trichloropropane	ND		2.1	0.58	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
1,2,4-Trichlorobenzene	ND		2.1	0.70	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
1,2,4-Trimethylbenzene	**970**		21	10	mg/Kg	☼	07/01/16 11:51	07/05/16 21:47	200
1,2-Dibromo-3-Chloropropane	ND		5.2	0.72	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
1,2-Dibromoethane (EDB)	ND		2.1	1.0	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
1,2-Dichlorobenzene	ND		2.1	0.35	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
1,2-Dichloroethane	ND		2.1	0.70	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
1,2-Dichloropropane	ND		2.1	0.97	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
1,3,5-Trimethylbenzene	**230**		2.1	0.79	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
1,3-Dichlorobenzene	ND		2.1	0.70	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
1,3-Dichloropropane	ND		2.1	0.97	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
1,4-Dichlorobenzene	ND		2.1	0.97	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
2,2-Dichloropropane	ND		2.1	0.70	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
2-Butanone (MEK)	ND		52	5.4	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
2-Chlorotoluene	ND		2.1	0.95	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
2-Hexanone	ND		52	17	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
4-Chlorotoluene	ND		2.1	0.87	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
4-Methyl-2-pentanone (MIBK)	ND		52	18	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Acetone	ND		52	41	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Benzene	ND		2.1	0.70	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Bromochloromethane	ND		2.1	0.58	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Bromodichloromethane	ND		2.1	0.58	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Bromoform	ND		2.1	0.58	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Bromomethane	ND	*	2.1	1.2	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Carbon disulfide	ND		5.2	3.7	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Carbon tetrachloride	ND		2.1	0.70	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Chlorobenzene	ND		2.1	0.70	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Chlorodibromomethane	ND		2.1	0.35	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Chloroethane	ND		5.2	2.0	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Chloroform	ND		2.1	0.70	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Chloromethane	ND		2.1	0.70	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
cis-1,2-Dichloroethene	ND		2.1	0.70	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
cis-1,3-Dichloropropene	ND		2.1	0.70	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Dibromomethane	ND		2.1	0.58	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Dichlorodifluoromethane	ND		2.1	1.0	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Hexachlorobutadiene	ND		5.2	1.1	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Isopropylbenzene	**34**		2.1	0.43	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Methylene Chloride	**1.6**	**J**	10	1.0	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20

Client Sample ID: TP3
Date Collected: 06/27/16 12:58
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106678-3
Matrix: Solid
Percent Solids: 93.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	13	B	5.2	1.8	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
N-Propylbenzene	120		2.1	0.70	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
p-Isopropyltoluene	100		2.1	0.70	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
sec-Butylbenzene	100		2.1	0.70	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
tert-Butylbenzene	6.5		2.1	1.0	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Tetrachloroethene	2.8		2.1	0.70	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Toluene	0.88	J	2.1	0.77	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
trans-1,2-Dichloroethene	ND		2.1	0.70	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
trans-1,3-Dichloropropene	ND		2.1	0.70	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Trichloroethene	2.8		2.1	1.0	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Trichlorofluoromethane	ND		2.1	1.0	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Vinyl chloride	ND		2.1	1.1	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Xylenes, Total	70		3.1	1.3	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
Methyl tert-butyl ether	ND		2.1	1.0	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20
n-Butylbenzene	120		2.1	1.0	mg/Kg	☼	07/01/16 11:51	07/05/16 21:17	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*	*07/01/16 11:51*	*07/05/16 21:17*	*20*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*	*07/01/16 11:51*	*07/05/16 21:47*	*200*
4-Bromofluorobenzene (Surr)	*147*	*X*	*70 - 130*	*07/01/16 11:51*	*07/05/16 21:17*	*20*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*07/01/16 11:51*	*07/05/16 21:47*	*200*
Dibromofluoromethane (Surr)	*103*		*70 - 130*	*07/01/16 11:51*	*07/05/16 21:17*	*20*
Dibromofluoromethane (Surr)	*99*		*70 - 130*	*07/01/16 11:51*	*07/05/16 21:47*	*200*
Toluene-d8 (Surr)	*99*		*70 - 130*	*07/01/16 11:51*	*07/05/16 21:17*	*20*
Toluene-d8 (Surr)	*103*		*70 - 130*	*07/01/16 11:51*	*07/05/16 21:47*	*200*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.1		0.1	0.1	%			06/30/16 10:00	1
Percent Solids	93.9		0.1	0.1	%			06/30/16 10:00	1

Client: Environmental Consulting
Project/Site: 709 E. Capitol Drive, Milwaukee, WI

TestAmerica Job ID: 490-106678-1

Client Sample ID: TP4
Date Collected: 06/27/16 12:59
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106678-4
Matrix: Solid
Percent Solids: 94.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**7.8**		2.1	0.73	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Styrene	ND		2.1	1.2	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Bromobenzene	ND		2.1	0.77	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
1,1,1,2-Tetrachloroethane	ND		2.1	0.73	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
1,1,1-Trichloroethane	ND		2.1	0.99	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
1,1,2,2-Tetrachloroethane	ND		2.1	1.1	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
1,1,2-Trichloroethane	ND		5.4	1.5	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
1,1-Dichloroethane	ND		2.1	0.73	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
1,1-Dichloroethene	ND		2.1	0.62	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
1,1-Dichloropropene	ND		2.1	0.56	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
1,2,3-Trichlorobenzene	ND		2.1	0.41	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
1,2,3-Trichloropropane	ND		2.1	0.60	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
1,2,4-Trichlorobenzene	ND		2.1	0.73	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
1,2,4-Trimethylbenzene	**1100**		21	11	mg/Kg	☼	07/01/16 11:51	07/05/16 22:46	200
1,2-Dibromo-3-Chloropropane	ND		5.4	0.75	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
1,2-Dibromoethane (EDB)	ND		2.1	1.1	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
1,2-Dichlorobenzene	ND		2.1	0.36	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
1,2-Dichloroethane	ND		2.1	0.73	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
1,2-Dichloropropane	ND		2.1	1.0	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
1,3,5-Trimethylbenzene	**240**		2.1	0.81	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
1,3-Dichlorobenzene	ND		2.1	0.73	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
1,3-Dichloropropane	ND		2.1	1.0	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
1,4-Dichlorobenzene	ND		2.1	1.0	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
2,2-Dichloropropane	ND		2.1	0.73	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
2-Butanone (MEK)	ND		54	5.6	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
2-Chlorotoluene	ND		2.1	0.99	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
2-Hexanone	ND		54	18	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
4-Chlorotoluene	ND		2.1	0.90	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
4-Methyl-2-pentanone (MIBK)	ND		54	18	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Acetone	ND		54	43	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Benzene	ND		2.1	0.73	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Bromochloromethane	ND		2.1	0.60	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Bromodichloromethane	ND		2.1	0.60	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Bromoform	ND		2.1	0.60	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Bromomethane	ND	*	2.1	1.3	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Carbon disulfide	ND		5.4	3.9	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Carbon tetrachloride	ND		2.1	0.73	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Chlorobenzene	ND		2.1	0.73	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Chlorodibromomethane	ND		2.1	0.36	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Chloroethane	ND		5.4	2.0	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Chloroform	ND		2.1	0.73	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Chloromethane	ND		2.1	0.73	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
cis-1,2-Dichloroethene	ND		2.1	0.73	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
cis-1,3-Dichloropropene	ND		2.1	0.73	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Dibromomethane	ND		2.1	0.60	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Dichlorodifluoromethane	ND		2.1	1.1	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Hexachlorobutadiene	ND		5.4	1.2	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Isopropylbenzene	**35**		2.1	0.45	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Methylene Chloride	**1.8**	**J**	11	1.1	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20

Client Sample ID: TP4
Date Collected: 06/27/16 12:59
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106678-4
Matrix: Solid
Percent Solids: 94.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	13	B	5.4	1.8	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
N-Propylbenzene	120		2.1	0.73	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
p-Isopropyltoluene	110		2.1	0.73	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
sec-Butylbenzene	110		2.1	0.73	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
tert-Butylbenzene	6.4		2.1	1.1	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Tetrachloroethene	3.1		2.1	0.73	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Toluene	0.90	J	2.1	0.79	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
trans-1,2-Dichloroethene	ND		2.1	0.73	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
trans-1,3-Dichloropropene	ND		2.1	0.73	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Trichloroethene	3.4		2.1	1.1	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Trichlorofluoromethane	ND		2.1	1.1	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Vinyl chloride	ND		2.1	1.2	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Xylenes, Total	74		3.2	1.3	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
Methyl tert-butyl ether	ND		2.1	1.1	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20
n-Butylbenzene	120		2.1	1.1	mg/Kg	☼	07/01/16 11:51	07/05/16 22:16	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*	*07/01/16 11:51*	*07/05/16 22:16*	*20*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*	*07/01/16 11:51*	*07/05/16 22:46*	*200*
4-Bromofluorobenzene (Surr)	*145*	*X*	*70 - 130*	*07/01/16 11:51*	*07/05/16 22:16*	*20*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*07/01/16 11:51*	*07/05/16 22:46*	*200*
Dibromofluoromethane (Surr)	*97*		*70 - 130*	*07/01/16 11:51*	*07/05/16 22:16*	*20*
Dibromofluoromethane (Surr)	*100*		*70 - 130*	*07/01/16 11:51*	*07/05/16 22:46*	*200*
Toluene-d8 (Surr)	*101*		*70 - 130*	*07/01/16 11:51*	*07/05/16 22:16*	*20*
Toluene-d8 (Surr)	*100*		*70 - 130*	*07/01/16 11:51*	*07/05/16 22:46*	*200*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.5		0.1	0.1	%			06/30/16 10:00	1
Percent Solids	94.5		0.1	0.1	%			06/30/16 10:00	1

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

Lab Sample ID: MB 490-352341/1-A
Matrix: Solid
Analysis Batch: 352491

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 352341

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Styrene	ND		0.10	0.055	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Bromobenzene	ND		0.10	0.036	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,1,1,2-Tetrachloroethane	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,1,1-Trichloroethane	ND		0.10	0.046	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,1,2,2-Tetrachloroethane	ND		0.10	0.050	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,1,2-Trichloroethane	ND		0.25	0.070	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,1-Dichloroethane	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,1-Dichloroethene	ND		0.10	0.029	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,1-Dichloropropene	ND		0.10	0.026	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,2,3-Trichlorobenzene	ND		0.10	0.019	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,2,3-Trichloropropane	ND		0.10	0.028	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,2,4-Trichlorobenzene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,2,4-Trimethylbenzene	0.176		0.10	0.050	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,2-Dibromo-3-Chloropropane	ND		0.25	0.035	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,2-Dibromoethane (EDB)	ND		0.10	0.050	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,2-Dichlorobenzene	ND		0.10	0.017	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,2-Dichloroethane	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,2-Dichloropropane	ND		0.10	0.047	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,3,5-Trimethylbenzene	0.0533	J	0.10	0.038	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,3-Dichlorobenzene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,3-Dichloropropane	ND		0.10	0.047	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
1,4-Dichlorobenzene	ND		0.10	0.047	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
2,2-Dichloropropane	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
2-Butanone (MEK)	ND		2.5	0.26	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
2-Chlorotoluene	ND		0.10	0.046	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
2-Hexanone	ND		2.5	0.84	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
4-Chlorotoluene	ND		0.10	0.042	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
4-Methyl-2-pentanone (MIBK)	ND		2.5	0.85	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Acetone	ND		2.5	2.0	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Benzene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Bromochloromethane	ND		0.10	0.028	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Bromodichloromethane	ND		0.10	0.028	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Bromoform	ND		0.10	0.028	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Bromomethane	ND		0.10	0.060	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Carbon disulfide	ND		0.25	0.18	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Carbon tetrachloride	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Chlorobenzene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Chlorodibromomethane	ND		0.10	0.017	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Chloroethane	ND		0.25	0.095	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Chloroform	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Chloromethane	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
cis-1,2-Dichloroethene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
cis-1,3-Dichloropropene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Dibromomethane	ND		0.10	0.028	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Dichlorodifluoromethane	ND		0.10	0.050	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Hexachlorobutadiene	ND		0.25	0.055	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Isopropylbenzene	ND		0.10	0.021	mg/Kg		07/01/16 11:51	07/03/16 16:02	1

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

Lab Sample ID: MB 490-352341/1-A
Matrix: Solid
Analysis Batch: 352491

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 352341

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.0665	J	0.50	0.050	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Naphthalene	ND		0.25	0.085	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
N-Propylbenzene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
p-Isopropyltoluene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
sec-Butylbenzene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
tert-Butylbenzene	ND		0.10	0.050	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Tetrachloroethene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Toluene	ND		0.10	0.037	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
trans-1,2-Dichloroethene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
trans-1,3-Dichloropropene	ND		0.10	0.034	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Trichloroethene	ND		0.10	0.050	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Trichlorofluoromethane	ND		0.10	0.050	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Vinyl chloride	ND		0.10	0.055	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Xylenes, Total	ND		0.15	0.062	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
Methyl tert-butyl ether	ND		0.10	0.050	mg/Kg		07/01/16 11:51	07/03/16 16:02	1
n-Butylbenzene	ND		0.10	0.050	mg/Kg		07/01/16 11:51	07/03/16 16:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*07/01/16 11:51*	*07/03/16 16:02*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*07/01/16 11:51*	*07/03/16 16:02*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*07/01/16 11:51*	*07/03/16 16:02*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*07/01/16 11:51*	*07/03/16 16:02*	*1*

Lab Sample ID: LCS 490-352341/2-A
Matrix: Solid
Analysis Batch: 352491

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 352341

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	2.50	2.61		mg/Kg		105	70 - 130
Styrene	2.50	2.62		mg/Kg		105	70 - 131
Bromobenzene	2.50	2.52		mg/Kg		101	67 - 130
1,1,1,2-Tetrachloroethane	2.50	2.61		mg/Kg		104	70 - 130
1,1,1-Trichloroethane	2.50	2.65		mg/Kg		106	70 - 130
1,1,2,2-Tetrachloroethane	2.50	2.44		mg/Kg		98	61 - 134
1,1,2-Trichloroethane	2.50	2.48		mg/Kg		99	70 - 130
1,1-Dichloroethane	2.50	2.61		mg/Kg		104	70 - 130
1,1-Dichloroethene	2.50	2.74		mg/Kg		110	70 - 131
1,1-Dichloropropene	2.50	2.72		mg/Kg		109	70 - 130
1,2,3-Trichlorobenzene	2.50	2.70		mg/Kg		108	57 - 146
1,2,3-Trichloropropane	2.50	2.46		mg/Kg		98	60 - 139
1,2,4-Trichlorobenzene	2.50	2.73		mg/Kg		109	47 - 150
1,2,4-Trimethylbenzene	2.50	2.63		mg/Kg		105	70 - 140
1,2-Dibromo-3-Chloropropane	2.50	2.47		mg/Kg		99	47 - 144
1,2-Dibromoethane (EDB)	2.50	2.61		mg/Kg		104	69 - 130
1,2-Dichlorobenzene	2.50	2.62		mg/Kg		105	70 - 134
1,2-Dichloroethane	2.50	2.64		mg/Kg		106	65 - 134
1,2-Dichloropropane	2.50	2.66		mg/Kg		106	70 - 130
1,3,5-Trimethylbenzene	2.50	2.60		mg/Kg		104	69 - 141

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

Lab Sample ID: LCS 490-352341/2-A
Matrix: Solid
Analysis Batch: 352491

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 352341

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	2.50	2.60		mg/Kg		104	69 - 137
1,3-Dichloropropane	2.50	2.60		mg/Kg		104	70 - 130
1,4-Dichlorobenzene	2.50	2.61		mg/Kg		105	66 - 134
2,2-Dichloropropane	2.50	2.69		mg/Kg		107	57 - 150
2-Butanone (MEK)	12.5	13.0		mg/Kg		104	50 - 149
2-Chlorotoluene	2.50	2.39		mg/Kg		96	70 - 132
2-Hexanone	12.5	12.2		mg/Kg		97	47 - 148
4-Chlorotoluene	2.50	2.57		mg/Kg		103	67 - 135
4-Methyl-2-pentanone (MIBK)	12.5	12.3		mg/Kg		98	48 - 150
Acetone	12.5	12.3		mg/Kg		99	45 - 145
Benzene	2.50	2.70		mg/Kg		108	70 - 130
Bromochloromethane	2.50	2.60		mg/Kg		104	70 - 133
Bromodichloromethane	2.50	2.62		mg/Kg		105	70 - 130
Bromoform	2.50	2.48		mg/Kg		99	59 - 137
Bromomethane	2.50	2.68		mg/Kg		107	32 - 150
Carbon disulfide	2.50	2.62		mg/Kg		105	66 - 138
Carbon tetrachloride	2.50	2.72		mg/Kg		109	70 - 131
Chlorobenzene	2.50	2.67		mg/Kg		107	70 - 130
Chlorodibromomethane	2.50	2.55		mg/Kg		102	70 - 130
Chloroethane	2.50	2.06		mg/Kg		82	37 - 150
Chloroform	2.50	2.56		mg/Kg		102	70 - 130
Chloromethane	2.50	2.56		mg/Kg		103	53 - 150
cis-1,2-Dichloroethene	2.50	2.71		mg/Kg		108	70 - 132
cis-1,3-Dichloropropene	2.50	2.60		mg/Kg		104	70 - 130
Dibromomethane	2.50	2.61		mg/Kg		105	70 - 130
Dichlorodifluoromethane	2.50	2.67		mg/Kg		107	32 - 150
Hexachlorobutadiene	2.50	2.55		mg/Kg		102	64 - 137
Isopropylbenzene	2.50	2.66		mg/Kg		106	70 - 130
Methylene Chloride	2.50	2.65		mg/Kg		106	69 - 130
Naphthalene	2.50	2.62		mg/Kg		105	55 - 149
N-Propylbenzene	2.50	2.60		mg/Kg		104	62 - 150
p-Isopropyltoluene	2.50	2.64		mg/Kg		106	66 - 147
sec-Butylbenzene	2.50	2.65		mg/Kg		106	68 - 147
tert-Butylbenzene	2.50	2.65		mg/Kg		106	70 - 138
Tetrachloroethene	2.50	2.53		mg/Kg		101	70 - 130
Toluene	2.50	2.62		mg/Kg		105	70 - 130
trans-1,2-Dichloroethene	2.50	2.66		mg/Kg		107	70 - 130
trans-1,3-Dichloropropene	2.50	2.62		mg/Kg		105	67 - 130
Trichloroethene	2.50	2.80		mg/Kg		112	70 - 130
Trichlorofluoromethane	2.50	2.36		mg/Kg		95	53 - 150
Vinyl chloride	2.50	2.70		mg/Kg		108	63 - 150
Xylenes, Total	5.00	5.21		mg/Kg		104	70 - 130
Methyl tert-butyl ether	2.50	2.71		mg/Kg		109	54 - 145
n-Butylbenzene	2.50	2.58		mg/Kg		103	57 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*

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

Lab Sample ID: LCS 490-352341/2-A
Matrix: Solid
Analysis Batch: 352491

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 352341

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*102*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: 490-106667-A-2-C MS
Matrix: Solid
Analysis Batch: 352491

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 352341

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	2.3		3.23	5.53		mg/Kg	☼	100	10 - 150
Styrene	ND		3.23	2.65		mg/Kg	☼	82	10 - 150
Bromobenzene	ND	F1	3.23	7.04	F1	mg/Kg	☼	218	10 - 150
1,1,1,2-Tetrachloroethane	ND		3.23	2.90		mg/Kg	☼	90	10 - 150
1,1,1-Trichloroethane	ND		3.23	3.20		mg/Kg	☼	99	10 - 150
1,1,2,2-Tetrachloroethane	ND	F1 F2	3.23	20.5	F1	mg/Kg	☼	636	10 - 150
1,1,2-Trichloroethane	ND	F1	3.23	6.24	F1	mg/Kg	☼	193	10 - 150
1,1-Dichloroethane	0.11	J	3.23	3.30		mg/Kg	☼	99	10 - 150
1,1-Dichloroethene	ND		3.23	3.11		mg/Kg	☼	96	10 - 150
1,1-Dichloropropene	ND		3.23	3.09		mg/Kg	☼	96	10 - 150
1,2,3-Trichlorobenzene	ND		3.23	1.95		mg/Kg	☼	60	10 - 150
1,2,3-Trichloropropane	ND	F1	3.23	44.9	E F1	mg/Kg	☼	1391	10 - 150
1,2,4-Trichlorobenzene	ND		3.23	1.85		mg/Kg	☼	57	10 - 150
1,2,4-Trimethylbenzene	68	E B	3.23	88.4	E 4	mg/Kg	☼	638	10 - 150
1,2-Dibromo-3-Chloropropane	ND		3.23	2.31		mg/Kg	☼	72	10 - 150
1,2-Dibromoethane (EDB)	ND		3.23	2.92		mg/Kg	☼	90	10 - 150
1,2-Dichlorobenzene	ND		3.23	2.08		mg/Kg	☼	65	10 - 150
1,2-Dichloroethane	ND		3.23	3.09		mg/Kg	☼	96	24 - 138
1,2-Dichloropropane	ND		3.23	3.17		mg/Kg	☼	98	10 - 150
1,3,5-Trimethylbenzene	31	E B	3.23	33.9	E 4	mg/Kg	☼	86	10 - 150
1,3-Dichlorobenzene	ND		3.23	1.78		mg/Kg	☼	55	10 - 150
1,3-Dichloropropane	ND		3.23	2.96		mg/Kg	☼	92	10 - 150
1,4-Dichlorobenzene	ND		3.23	1.78		mg/Kg	☼	55	10 - 150
2,2-Dichloropropane	ND		3.23	2.92		mg/Kg	☼	91	10 - 150
2-Butanone (MEK)	ND		16.1	16.0		mg/Kg	☼	99	10 - 150
2-Chlorotoluene	ND	F1	3.23	18.1	F1	mg/Kg	☼	560	10 - 150
2-Hexanone	1.6	J	16.1	17.6		mg/Kg	☼	99	10 - 150
4-Chlorotoluene	ND	F1	3.23	4.90	F1	mg/Kg	☼	152	10 - 150
4-Methyl-2-pentanone (MIBK)	ND		16.1	15.8		mg/Kg	☼	98	10 - 150
Acetone	ND		16.1	16.1		mg/Kg	☼	100	10 - 150
Benzene	ND		3.23	3.14		mg/Kg	☼	97	21 - 150
Bromochloromethane	ND		3.23	3.09		mg/Kg	☼	96	10 - 150
Bromodichloromethane	ND		3.23	3.00		mg/Kg	☼	93	10 - 150
Bromoform	ND		3.23	2.91		mg/Kg	☼	90	10 - 150
Bromomethane	ND		3.23	3.08		mg/Kg	☼	95	10 - 150
Carbon disulfide	ND		3.23	3.01		mg/Kg	☼	93	10 - 150
Carbon tetrachloride	ND		3.23	3.29		mg/Kg	☼	102	10 - 150
Chlorobenzene	ND		3.23	2.64		mg/Kg	☼	82	10 - 150
Chlorodibromomethane	ND		3.23	3.08		mg/Kg	☼	95	10 - 150
Chloroethane	ND		3.23	2.59		mg/Kg	☼	80	10 - 150

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

Lab Sample ID: 490-106667-A-2-C MS
Matrix: Solid
Analysis Batch: 352491

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 352341

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	ND		3.23	3.07		mg/Kg	☼	95	10 - 150
Chloromethane	ND		3.23	2.91		mg/Kg	☼	90	10 - 150
cis-1,2-Dichloroethene	ND		3.23	3.20		mg/Kg	☼	99	10 - 150
cis-1,3-Dichloropropene	ND		3.23	2.66		mg/Kg	☼	82	10 - 150
Dibromomethane	ND		3.23	3.12		mg/Kg	☼	97	10 - 150
Dichlorodifluoromethane	ND		3.23	3.05		mg/Kg	☼	94	10 - 150
Hexachlorobutadiene	ND		3.23	2.03		mg/Kg	☼	63	10 - 150
Isopropylbenzene	8.3	F1	3.23	13.9	F1	mg/Kg	☼	174	10 - 150
Methylene Chloride	2.2	B	3.23	5.31		mg/Kg	☼	96	24 - 150
Naphthalene	8.7		3.23	11.9		mg/Kg	☼	98	10 - 150
N-Propylbenzene	18		3.23	25.2	4	mg/Kg	☼	237	10 - 150
p-Isopropyltoluene	17		3.23	24.2	4	mg/Kg	☼	214	10 - 150
sec-Butylbenzene	19		3.23	25.2	4	mg/Kg	☼	198	10 - 150
tert-Butylbenzene	1.8		3.23	4.02		mg/Kg	☼	68	10 - 150
Tetrachloroethene	0.70		3.23	3.41		mg/Kg	☼	84	10 - 150
Toluene	0.098	J	3.23	2.94		mg/Kg	☼	88	17 - 150
trans-1,2-Dichloroethene	ND		3.23	3.09		mg/Kg	☼	96	10 - 150
trans-1,3-Dichloropropene	ND		3.23	2.60		mg/Kg	☼	80	10 - 150
Trichloroethene	0.16		3.23	3.15		mg/Kg	☼	93	10 - 150
Trichlorofluoromethane	ND		3.23	3.25		mg/Kg	☼	101	10 - 150
Vinyl chloride	ND		3.23	3.20		mg/Kg	☼	99	10 - 150
Xylenes, Total	11		6.46	19.4		mg/Kg	☼	124	10 - 150
Methyl tert-butyl ether	ND		3.23	3.27		mg/Kg	☼	101	10 - 150
n-Butylbenzene	19	E	3.23	25.3	E 4	mg/Kg	☼	202	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*
4-Bromofluorobenzene (Surr)	*251*	*X*	*70 - 130*
Dibromofluoromethane (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*106*		*70 - 130*

Lab Sample ID: 490-106667-A-2-C MSD
Matrix: Solid
Analysis Batch: 352491

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 352341

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	2.3		3.23	5.29		mg/Kg	☼	93	10 - 150	4	50
Styrene	ND		3.23	2.50		mg/Kg	☼	77	10 - 150	6	50
Bromobenzene	ND	F1	3.23	6.23	F1	mg/Kg	☼	193	10 - 150	12	50
1,1,1,2-Tetrachloroethane	ND		3.23	2.84		mg/Kg	☼	88	10 - 150	2	50
1,1,1-Trichloroethane	ND		3.23	3.24		mg/Kg	☼	100	10 - 150	1	50
1,1,2,2-Tetrachloroethane	ND	F1 F2	3.23	66.8	E F1 F2	mg/Kg	☼	2068	10 - 150	106	50
1,1,2-Trichloroethane	ND	F1	3.23	6.29	F1	mg/Kg	☼	195	10 - 150	1	50
1,1-Dichloroethane	0.11	J	3.23	3.24		mg/Kg	☼	97	10 - 150	2	50
1,1-Dichloroethene	ND		3.23	3.31		mg/Kg	☼	103	10 - 150	6	50
1,1-Dichloropropene	ND		3.23	3.06		mg/Kg	☼	95	10 - 150	1	50
1,2,3-Trichlorobenzene	ND		3.23	1.87		mg/Kg	☼	58	10 - 150	4	50
1,2,3-Trichloropropane	ND	F1	3.23	44.5	E F1	mg/Kg	☼	1378	10 - 150	1	50

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

Lab Sample ID: 490-106667-A-2-C MSD
Matrix: Solid
Analysis Batch: 352491

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 352341

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		3.23	1.76		mg/Kg	☼	55	10 - 150	5	50
1,2,4-Trimethylbenzene	68	E B	3.23	85.5	E 4	mg/Kg	☼	549	10 - 150	3	50
1,2-Dibromo-3-Chloropropane	ND		3.23	2.24		mg/Kg	☼	69	10 - 150	3	50
1,2-Dibromoethane (EDB)	ND		3.23	2.73		mg/Kg	☼	85	10 - 150	7	50
1,2-Dichlorobenzene	ND		3.23	1.91		mg/Kg	☼	59	10 - 150	9	50
1,2-Dichloroethane	ND		3.23	3.01		mg/Kg	☼	93	24 - 138	3	50
1,2-Dichloropropane	ND		3.23	3.08		mg/Kg	☼	96	10 - 150	3	50
1,3,5-Trimethylbenzene	31	E B	3.23	38.2	E 4	mg/Kg	☼	221	10 - 150	12	50
1,3-Dichlorobenzene	ND		3.23	1.65		mg/Kg	☼	51	10 - 150	8	50
1,3-Dichloropropane	ND		3.23	2.81		mg/Kg	☼	87	10 - 150	5	50
1,4-Dichlorobenzene	ND		3.23	1.63		mg/Kg	☼	51	10 - 150	9	50
2,2-Dichloropropane	ND		3.23	2.89		mg/Kg	☼	90	10 - 150	1	50
2-Butanone (MEK)	ND		16.1	16.7		mg/Kg	☼	103	10 - 150	4	50
2-Chlorotoluene	ND	F1	3.23	16.6	F1	mg/Kg	☼	516	10 - 150	8	50
2-Hexanone	1.6	J	16.1	16.5		mg/Kg	☼	92	10 - 150	6	50
4-Chlorotoluene	ND	F1	3.23	4.46		mg/Kg	☼	138	10 - 150	10	50
4-Methyl-2-pentanone (MIBK)	ND		16.1	15.2		mg/Kg	☼	94	10 - 150	4	50
Acetone	ND		16.1	16.9		mg/Kg	☼	105	10 - 150	5	50
Benzene	ND		3.23	3.08		mg/Kg	☼	95	21 - 150	2	50
Bromochloromethane	ND		3.23	3.03		mg/Kg	☼	94	10 - 150	2	50
Bromodichloromethane	ND		3.23	2.85		mg/Kg	☼	88	10 - 150	5	50
Bromoform	ND		3.23	2.78		mg/Kg	☼	86	10 - 150	4	50
Bromomethane	ND		3.23	2.86		mg/Kg	☼	89	10 - 150	7	50
Carbon disulfide	ND		3.23	2.98		mg/Kg	☼	92	10 - 150	1	50
Carbon tetrachloride	ND		3.23	3.28		mg/Kg	☼	101	10 - 150	1	50
Chlorobenzene	ND		3.23	2.55		mg/Kg	☼	79	10 - 150	3	50
Chlorodibromomethane	ND		3.23	2.92		mg/Kg	☼	90	10 - 150	5	50
Chloroethane	ND		3.23	2.16		mg/Kg	☼	67	10 - 150	18	50
Chloroform	ND		3.23	3.07		mg/Kg	☼	95	10 - 150	0	50
Chloromethane	ND		3.23	3.03		mg/Kg	☼	94	10 - 150	4	50
cis-1,2-Dichloroethene	ND		3.23	3.13		mg/Kg	☼	97	10 - 150	2	50
cis-1,3-Dichloropropene	ND		3.23	2.49		mg/Kg	☼	77	10 - 150	7	50
Dibromomethane	ND		3.23	3.09		mg/Kg	☼	96	10 - 150	1	50
Dichlorodifluoromethane	ND		3.23	3.13		mg/Kg	☼	97	10 - 150	3	50
Hexachlorobutadiene	ND		3.23	1.99		mg/Kg	☼	62	10 - 150	2	50
Isopropylbenzene	8.3	F1	3.23	13.3	F1	mg/Kg	☼	155	10 - 150	4	50
Methylene Chloride	2.2	B	3.23	5.25		mg/Kg	☼	94	24 - 150	1	50
Naphthalene	8.7		3.23	11.4		mg/Kg	☼	84	10 - 150	4	50
N-Propylbenzene	18		3.23	23.8	4	mg/Kg	☼	194	10 - 150	6	50
p-Isopropyltoluene	17		3.23	22.3	4	mg/Kg	☼	155	10 - 150	8	50
sec-Butylbenzene	19		3.23	25.1	4	mg/Kg	☼	197	10 - 150	0	50
tert-Butylbenzene	1.8		3.23	4.20		mg/Kg	☼	74	10 - 150	4	50
Tetrachloroethene	0.70		3.23	3.25		mg/Kg	☼	79	10 - 150	5	50
Toluene	0.098	J	3.23	2.82		mg/Kg	☼	84	17 - 150	4	50
trans-1,2-Dichloroethene	ND		3.23	2.99		mg/Kg	☼	93	10 - 150	3	50
trans-1,3-Dichloropropene	ND		3.23	2.41		mg/Kg	☼	75	10 - 150	7	50
Trichloroethene	0.16		3.23	3.14		mg/Kg	☼	92	10 - 150	0	50
Trichlorofluoromethane	ND		3.23	3.24		mg/Kg	☼	100	10 - 150	0	50

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

Lab Sample ID: 490-106667-A-2-C MSD
Matrix: Solid
Analysis Batch: 352491

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 352341

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vinyl chloride	ND		3.23	3.27		mg/Kg	☼	101	10 - 150	2	50
Xylenes, Total	11		6.46	18.6		mg/Kg	☼	111	10 - 150	4	50
Methyl tert-butyl ether	ND		3.23	3.19		mg/Kg	☼	99	10 - 150	2	50
n-Butylbenzene	19	E	3.23	24.0	E 4	mg/Kg	☼	162	10 - 150	5	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*
4-Bromofluorobenzene (Surr)	*266*	*X*	*70 - 130*
Dibromofluoromethane (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: 490-106667-A-4-C MS
Matrix: Solid
Analysis Batch: 352790

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 352341

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	1.6		2.90	5.01		mg/Kg	☼	116	10 - 150
Styrene	ND		2.90	2.96		mg/Kg	☼	102	10 - 150
Bromobenzene	ND		2.90	4.29		mg/Kg	☼	148	10 - 150
1,1,1,2-Tetrachloroethane	ND		2.90	2.56		mg/Kg	☼	88	10 - 150
1,1,1-Trichloroethane	ND		2.90	2.84		mg/Kg	☼	98	10 - 150
1,1,2,2-Tetrachloroethane	ND	F1	2.90	11.4	F1	mg/Kg	☼	394	10 - 150
1,1,2-Trichloroethane	ND	F1	2.90	5.48	F1	mg/Kg	☼	189	10 - 150
1,1-Dichloroethane	ND		2.90	2.63		mg/Kg	☼	91	10 - 150
1,1-Dichloroethene	ND		2.90	2.68		mg/Kg	☼	92	10 - 150
1,1-Dichloropropene	ND		2.90	3.09		mg/Kg	☼	107	10 - 150
1,2,3-Trichlorobenzene	ND		2.90	3.95		mg/Kg	☼	136	10 - 150
1,2,3-Trichloropropane	ND		2.90	3.63		mg/Kg	☼	125	10 - 150
1,2,4-Trichlorobenzene	ND		2.90	4.18		mg/Kg	☼	144	10 - 150
1,2,4-Trimethylbenzene	0.43		2.90	4.77		mg/Kg	☼	149	10 - 150
1,2-Dibromo-3-Chloropropane	ND		2.90	2.77		mg/Kg	☼	95	10 - 150
1,2-Dibromoethane (EDB)	ND		2.90	2.60		mg/Kg	☼	90	10 - 150
1,2-Dichlorobenzene	ND		2.90	2.99		mg/Kg	☼	103	10 - 150
1,2-Dichloroethane	ND		2.90	2.56		mg/Kg	☼	88	24 - 138
1,2-Dichloropropane	ND		2.90	2.77		mg/Kg	☼	95	10 - 150
1,3,5-Trimethylbenzene	1.2	F1	2.90	5.57	F1	mg/Kg	☼	151	10 - 150
1,3-Dichlorobenzene	ND		2.90	3.08		mg/Kg	☼	106	10 - 150
1,3-Dichloropropane	ND		2.90	2.52		mg/Kg	☼	87	10 - 150
1,4-Dichlorobenzene	ND		2.90	3.25		mg/Kg	☼	112	10 - 150
2,2-Dichloropropane	ND		2.90	2.95		mg/Kg	☼	102	10 - 150
2-Butanone (MEK)	ND		14.5	13.6		mg/Kg	☼	94	10 - 150
2-Chlorotoluene	ND	F1	2.90	3.78		mg/Kg	☼	130	10 - 150
2-Hexanone	ND		14.5	14.8		mg/Kg	☼	102	10 - 150
4-Chlorotoluene	ND	F1	2.90	4.96	F1	mg/Kg	☼	171	10 - 150
4-Methyl-2-pentanone (MIBK)	ND		14.5	13.1		mg/Kg	☼	90	10 - 150
Acetone	ND		14.5	11.3		mg/Kg	☼	78	10 - 150
Benzene	ND		2.90	2.93		mg/Kg	☼	101	21 - 150
Bromochloromethane	ND		2.90	2.63		mg/Kg	☼	91	10 - 150

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

Lab Sample ID: 490-106667-A-4-C MS
Matrix: Solid
Analysis Batch: 352790

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 352341

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	ND		2.90	2.74		mg/Kg	☼	95	10 - 150
Bromoform	ND		2.90	1.78		mg/Kg	☼	61	10 - 150
Bromomethane	ND	*	2.90	0.785		mg/Kg	☼	27	10 - 150
Carbon disulfide	ND	F2	2.90	2.38		mg/Kg	☼	82	10 - 150
Carbon tetrachloride	ND		2.90	2.85		mg/Kg	☼	98	10 - 150
Chlorobenzene	ND		2.90	2.84		mg/Kg	☼	98	10 - 150
Chlorodibromomethane	ND		2.90	2.46		mg/Kg	☼	85	10 - 150
Chloroethane	ND		2.90	1.21		mg/Kg	☼	42	10 - 150
Chloroform	ND		2.90	2.62		mg/Kg	☼	90	10 - 150
Chloromethane	ND		2.90	2.20		mg/Kg	☼	76	10 - 150
cis-1,2-Dichloroethene	ND		2.90	2.58		mg/Kg	☼	89	10 - 150
cis-1,3-Dichloropropene	ND		2.90	2.52		mg/Kg	☼	87	10 - 150
Dibromomethane	ND		2.90	2.59		mg/Kg	☼	89	10 - 150
Dichlorodifluoromethane	ND		2.90	2.77		mg/Kg	☼	95	10 - 150
Hexachlorobutadiene	ND		2.90	3.27		mg/Kg	☼	113	10 - 150
Isopropylbenzene	4.9		2.90	8.34		mg/Kg	☼	117	10 - 150
Methylene Chloride	0.25	J	2.90	2.65		mg/Kg	☼	83	24 - 150
Naphthalene	4.3	B F1	2.90	10.1	F1	mg/Kg	☼	199	10 - 150
N-Propylbenzene	11	F1	2.90	21.8	F1	mg/Kg	☼	359	10 - 150
p-Isopropyltoluene	0.43	F1	2.90	5.30	F1	mg/Kg	☼	168	10 - 150
sec-Butylbenzene	11	F1	2.90	22.5	F1	mg/Kg	☼	383	10 - 150
tert-Butylbenzene	0.94		2.90	5.12		mg/Kg	☼	144	10 - 150
Tetrachloroethene	ND		2.90	2.90		mg/Kg	☼	100	10 - 150
Toluene	ND		2.90	2.91		mg/Kg	☼	100	17 - 150
trans-1,2-Dichloroethene	ND		2.90	2.61		mg/Kg	☼	90	10 - 150
trans-1,3-Dichloropropene	ND		2.90	2.47		mg/Kg	☼	85	10 - 150
Trichloroethene	ND		2.90	3.19		mg/Kg	☼	110	10 - 150
Trichlorofluoromethane	ND		2.90	2.04		mg/Kg	☼	70	10 - 150
Vinyl chloride	ND		2.90	2.64		mg/Kg	☼	91	10 - 150
Xylenes, Total	ND		5.80	6.38		mg/Kg	☼	110	10 - 150
Methyl tert-butyl ether	ND		2.90	3.05		mg/Kg	☼	105	10 - 150
n-Butylbenzene	13		2.90	25.5	E 4	mg/Kg	☼	436	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 130*
4-Bromofluorobenzene (Surr)	*306*	*X*	*70 - 130*
Dibromofluoromethane (Surr)	*89*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: 490-106667-A-4-C MSD
Matrix: Solid
Analysis Batch: 352790

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 352341

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	1.6		2.90	5.05		mg/Kg	☼	117	10 - 150	1	50
Styrene	ND		2.90	2.93		mg/Kg	☼	101	10 - 150	1	50
Bromobenzene	ND		2.90	4.28		mg/Kg	☼	148	10 - 150	0	50
1,1,1,2-Tetrachloroethane	ND		2.90	2.56		mg/Kg	☼	88	10 - 150	0	50

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

Lab Sample ID: 490-106667-A-4-C MSD
Matrix: Solid
Analysis Batch: 352790

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 352341

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		2.90	2.84		mg/Kg	☼	98	10 - 150	0	50
1,1,2,2-Tetrachloroethane	ND	F1	2.90	11.4	F1	mg/Kg	☼	394	10 - 150	0	50
1,1,2-Trichloroethane	ND	F1	2.90	5.69	F1	mg/Kg	☼	196	10 - 150	4	50
1,1-Dichloroethane	ND		2.90	2.64		mg/Kg	☼	91	10 - 150	1	50
1,1-Dichloroethene	ND		2.90	2.62		mg/Kg	☼	90	10 - 150	2	50
1,1-Dichloropropene	ND		2.90	3.17		mg/Kg	☼	109	10 - 150	2	50
1,2,3-Trichlorobenzene	ND		2.90	4.04		mg/Kg	☼	139	10 - 150	2	50
1,2,3-Trichloropropane	ND		2.90	3.76		mg/Kg	☼	130	10 - 150	3	50
1,2,4-Trichlorobenzene	ND		2.90	4.06		mg/Kg	☼	140	10 - 150	3	50
1,2,4-Trimethylbenzene	0.43		2.90	4.62		mg/Kg	☼	144	10 - 150	3	50
1,2-Dibromo-3-Chloropropane	ND		2.90	2.95		mg/Kg	☼	102	10 - 150	6	50
1,2-Dibromoethane (EDB)	ND		2.90	2.63		mg/Kg	☼	91	10 - 150	1	50
1,2-Dichlorobenzene	ND		2.90	2.97		mg/Kg	☼	102	10 - 150	1	50
1,2-Dichloroethane	ND		2.90	2.58		mg/Kg	☼	89	24 - 138	1	50
1,2-Dichloropropane	ND		2.90	2.83		mg/Kg	☼	97	10 - 150	2	50
1,3,5-Trimethylbenzene	1.2	F1	2.90	5.57	F1	mg/Kg	☼	151	10 - 150	0	50
1,3-Dichlorobenzene	ND		2.90	3.04		mg/Kg	☼	105	10 - 150	1	50
1,3-Dichloropropane	ND		2.90	2.53		mg/Kg	☼	87	10 - 150	0	50
1,4-Dichlorobenzene	ND		2.90	3.18		mg/Kg	☼	110	10 - 150	2	50
2,2-Dichloropropane	ND		2.90	2.94		mg/Kg	☼	101	10 - 150	0	50
2-Butanone (MEK)	ND		14.5	14.4		mg/Kg	☼	100	10 - 150	6	50
2-Chlorotoluene	ND	F1	2.90	5.96	F1	mg/Kg	☼	206	10 - 150	45	50
2-Hexanone	ND		14.5	15.9		mg/Kg	☼	109	10 - 150	7	50
4-Chlorotoluene	ND	F1	2.90	4.92	F1	mg/Kg	☼	170	10 - 150	1	50
4-Methyl-2-pentanone (MIBK)	ND		14.5	13.6		mg/Kg	☼	94	10 - 150	4	50
Acetone	ND		14.5	11.9		mg/Kg	☼	82	10 - 150	6	50
Benzene	ND		2.90	2.95		mg/Kg	☼	102	21 - 150	1	50
Bromochloromethane	ND		2.90	2.57		mg/Kg	☼	89	10 - 150	2	50
Bromodichloromethane	ND		2.90	2.77		mg/Kg	☼	96	10 - 150	1	50
Bromoform	ND		2.90	1.81		mg/Kg	☼	62	10 - 150	2	50
Bromomethane	ND	*	2.90	0.844		mg/Kg	☼	29	10 - 150	7	50
Carbon disulfide	ND	F2	2.90	1.12	F2	mg/Kg	☼	39	10 - 150	72	50
Carbon tetrachloride	ND		2.90	2.78		mg/Kg	☼	96	10 - 150	2	50
Chlorobenzene	ND		2.90	2.83		mg/Kg	☼	97	10 - 150	1	50
Chlorodibromomethane	ND		2.90	2.43		mg/Kg	☼	84	10 - 150	1	50
Chloroethane	ND		2.90	1.08		mg/Kg	☼	37	10 - 150	12	50
Chloroform	ND		2.90	2.63		mg/Kg	☼	91	10 - 150	0	50
Chloromethane	ND		2.90	2.50		mg/Kg	☼	86	10 - 150	13	50
cis-1,2-Dichloroethene	ND		2.90	2.66		mg/Kg	☼	92	10 - 150	3	50
cis-1,3-Dichloropropene	ND		2.90	2.55		mg/Kg	☼	88	10 - 150	1	50
Dibromomethane	ND		2.90	2.63		mg/Kg	☼	91	10 - 150	2	50
Dichlorodifluoromethane	ND		2.90	2.74		mg/Kg	☼	95	10 - 150	1	50
Hexachlorobutadiene	ND		2.90	3.07		mg/Kg	☼	106	10 - 150	6	50
Isopropylbenzene	4.9		2.90	8.39		mg/Kg	☼	119	10 - 150	1	50
Methylene Chloride	0.25	J	2.90	2.65		mg/Kg	☼	83	24 - 150	0	50
Naphthalene	4.3	B F1	2.90	10.9	F1	mg/Kg	☼	225	10 - 150	7	50
N-Propylbenzene	11	F1	2.90	23.5	E F1	mg/Kg	☼	417	10 - 150	7	50
p-Isopropyltoluene	0.43	F1	2.90	5.18	F1	mg/Kg	☼	164	10 - 150	2	50

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

Lab Sample ID: 490-106667-A-4-C MSD
Matrix: Solid
Analysis Batch: 352790

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 352341

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
sec-Butylbenzene	11	F1	2.90	22.6	F1	mg/Kg	☼	385	10 - 150	0	50
tert-Butylbenzene	0.94		2.90	5.07		mg/Kg	☼	142	10 - 150	1	50
Tetrachloroethene	ND		2.90	2.78		mg/Kg	☼	96	10 - 150	4	50
Toluene	ND		2.90	2.93		mg/Kg	☼	101	17 - 150	0	50
trans-1,2-Dichloroethene	ND		2.90	2.70		mg/Kg	☼	93	10 - 150	3	50
trans-1,3-Dichloropropene	ND		2.90	2.55		mg/Kg	☼	88	10 - 150	3	50
Trichloroethene	ND		2.90	3.17		mg/Kg	☼	109	10 - 150	1	50
Trichlorofluoromethane	ND		2.90	1.88		mg/Kg	☼	65	10 - 150	8	50
Vinyl chloride	ND		2.90	2.75		mg/Kg	☼	95	10 - 150	4	50
Xylenes, Total	ND		5.80	6.51		mg/Kg	☼	112	10 - 150	2	50
Methyl tert-butyl ether	ND		2.90	3.07		mg/Kg	☼	106	10 - 150	1	50
n-Butylbenzene	13		2.90	25.6	E 4	mg/Kg	☼	439	10 - 150	0	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*315*	*X*	*70 - 130*
Dibromofluoromethane (Surr)	*88*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*

Lab Sample ID: MB 490-352790/10
Matrix: Solid
Analysis Batch: 352790

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
Styrene	ND		0.10	0.055	mg/Kg			07/05/16 14:46	1
Bromobenzene	ND		0.10	0.036	mg/Kg			07/05/16 14:46	1
1,1,1,2-Tetrachloroethane	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
1,1,1-Trichloroethane	ND		0.10	0.046	mg/Kg			07/05/16 14:46	1
1,1,2,2-Tetrachloroethane	ND		0.10	0.050	mg/Kg			07/05/16 14:46	1
1,1,2-Trichloroethane	ND		0.25	0.070	mg/Kg			07/05/16 14:46	1
1,1-Dichloroethane	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
1,1-Dichloroethene	ND		0.10	0.029	mg/Kg			07/05/16 14:46	1
1,1-Dichloropropene	ND		0.10	0.026	mg/Kg			07/05/16 14:46	1
1,2,3-Trichlorobenzene	0.0276	J	0.10	0.019	mg/Kg			07/05/16 14:46	1
1,2,3-Trichloropropane	ND		0.10	0.028	mg/Kg			07/05/16 14:46	1
1,2,4-Trichlorobenzene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
1,2,4-Trimethylbenzene	ND		0.10	0.050	mg/Kg			07/05/16 14:46	1
1,2-Dibromo-3-Chloropropane	ND		0.25	0.035	mg/Kg			07/05/16 14:46	1
1,2-Dibromoethane (EDB)	ND		0.10	0.050	mg/Kg			07/05/16 14:46	1
1,2-Dichlorobenzene	ND		0.10	0.017	mg/Kg			07/05/16 14:46	1
1,2-Dichloroethane	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
1,2-Dichloropropane	ND		0.10	0.047	mg/Kg			07/05/16 14:46	1
1,3,5-Trimethylbenzene	ND		0.10	0.038	mg/Kg			07/05/16 14:46	1
1,3-Dichlorobenzene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
1,3-Dichloropropane	ND		0.10	0.047	mg/Kg			07/05/16 14:46	1
1,4-Dichlorobenzene	ND		0.10	0.047	mg/Kg			07/05/16 14:46	1
2,2-Dichloropropane	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1

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

Lab Sample ID: MB 490-352790/10
Matrix: Solid
Analysis Batch: 352790

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		2.5	0.26	mg/Kg			07/05/16 14:46	1
2-Chlorotoluene	ND		0.10	0.046	mg/Kg			07/05/16 14:46	1
2-Hexanone	ND		2.5	0.84	mg/Kg			07/05/16 14:46	1
4-Chlorotoluene	ND		0.10	0.042	mg/Kg			07/05/16 14:46	1
4-Methyl-2-pentanone (MIBK)	ND		2.5	0.85	mg/Kg			07/05/16 14:46	1
Acetone	ND		2.5	2.0	mg/Kg			07/05/16 14:46	1
Benzene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
Bromochloromethane	ND		0.10	0.028	mg/Kg			07/05/16 14:46	1
Bromodichloromethane	ND		0.10	0.028	mg/Kg			07/05/16 14:46	1
Bromoform	ND		0.10	0.028	mg/Kg			07/05/16 14:46	1
Bromomethane	ND		0.10	0.060	mg/Kg			07/05/16 14:46	1
Carbon disulfide	ND		0.25	0.18	mg/Kg			07/05/16 14:46	1
Carbon tetrachloride	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
Chlorobenzene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
Chlorodibromomethane	ND		0.10	0.017	mg/Kg			07/05/16 14:46	1
Chloroethane	ND		0.25	0.095	mg/Kg			07/05/16 14:46	1
Chloroform	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
Chloromethane	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
cis-1,2-Dichloroethene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
cis-1,3-Dichloropropene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
Dibromomethane	ND		0.10	0.028	mg/Kg			07/05/16 14:46	1
Dichlorodifluoromethane	ND		0.10	0.050	mg/Kg			07/05/16 14:46	1
Hexachlorobutadiene	ND		0.25	0.055	mg/Kg			07/05/16 14:46	1
Isopropylbenzene	ND		0.10	0.021	mg/Kg			07/05/16 14:46	1
Methylene Chloride	ND		0.50	0.050	mg/Kg			07/05/16 14:46	1
Naphthalene	0.124	J	0.25	0.085	mg/Kg			07/05/16 14:46	1
N-Propylbenzene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
p-Isopropyltoluene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
sec-Butylbenzene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
tert-Butylbenzene	ND		0.10	0.050	mg/Kg			07/05/16 14:46	1
Tetrachloroethene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
Toluene	ND		0.10	0.037	mg/Kg			07/05/16 14:46	1
trans-1,2-Dichloroethene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
trans-1,3-Dichloropropene	ND		0.10	0.034	mg/Kg			07/05/16 14:46	1
Trichloroethene	ND		0.10	0.050	mg/Kg			07/05/16 14:46	1
Trichlorofluoromethane	ND		0.10	0.050	mg/Kg			07/05/16 14:46	1
Vinyl chloride	ND		0.10	0.055	mg/Kg			07/05/16 14:46	1
Xylenes, Total	ND		0.15	0.062	mg/Kg			07/05/16 14:46	1
Methyl tert-butyl ether	ND		0.10	0.050	mg/Kg			07/05/16 14:46	1
n-Butylbenzene	ND		0.10	0.050	mg/Kg			07/05/16 14:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*07/05/16 14:46*	*1*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*07/05/16 14:46*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*07/05/16 14:46*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*07/05/16 14:46*	*1*

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

Lab Sample ID: LCS 490-352790/7
Matrix: Solid
Analysis Batch: 352790

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	2.50	2.69		mg/Kg		108	70 - 130
Styrene	2.50	2.70		mg/Kg		108	70 - 131
Bromobenzene	2.50	2.52		mg/Kg		101	67 - 130
1,1,1,2-Tetrachloroethane	2.50	2.34		mg/Kg		94	70 - 130
1,1,1-Trichloroethane	2.50	2.48		mg/Kg		99	70 - 130
1,1,2,2-Tetrachloroethane	2.50	2.31		mg/Kg		93	61 - 134
1,1,2-Trichloroethane	2.50	2.19		mg/Kg		88	70 - 130
1,1-Dichloroethane	2.50	2.34		mg/Kg		94	70 - 130
1,1-Dichloroethene	2.50	2.42		mg/Kg		97	70 - 131
1,1-Dichloropropene	2.50	2.71		mg/Kg		108	70 - 130
1,2,3-Trichlorobenzene	2.50	2.74		mg/Kg		110	57 - 146
1,2,3-Trichloropropane	2.50	2.19		mg/Kg		88	60 - 139
1,2,4-Trichlorobenzene	2.50	2.84		mg/Kg		114	47 - 150
1,2,4-Trimethylbenzene	2.50	2.73		mg/Kg		109	70 - 140
1,2-Dibromo-3-Chloropropane	2.50	2.08		mg/Kg		83	47 - 144
1,2-Dibromoethane (EDB)	2.50	2.43		mg/Kg		97	69 - 130
1,2-Dichlorobenzene	2.50	2.44		mg/Kg		98	70 - 134
1,2-Dichloroethane	2.50	2.28		mg/Kg		91	65 - 134
1,2-Dichloropropane	2.50	2.40		mg/Kg		96	70 - 130
1,3,5-Trimethylbenzene	2.50	2.68		mg/Kg		107	69 - 141
1,3-Dichlorobenzene	2.50	2.56		mg/Kg		102	69 - 137
1,3-Dichloropropane	2.50	2.40		mg/Kg		96	70 - 130
1,4-Dichlorobenzene	2.50	2.33		mg/Kg		93	66 - 134
2,2-Dichloropropane	2.50	2.56		mg/Kg		102	57 - 150
2-Butanone (MEK)	12.5	12.1		mg/Kg		96	50 - 149
2-Chlorotoluene	2.50	2.49		mg/Kg		99	70 - 132
2-Hexanone	12.5	11.0		mg/Kg		88	47 - 148
4-Chlorotoluene	2.50	2.62		mg/Kg		105	67 - 135
4-Methyl-2-pentanone (MIBK)	12.5	10.9		mg/Kg		88	48 - 150
Acetone	12.5	9.38		mg/Kg		75	45 - 145
Benzene	2.50	2.61		mg/Kg		104	70 - 130
Bromochloromethane	2.50	2.35		mg/Kg		94	70 - 133
Bromodichloromethane	2.50	2.45		mg/Kg		98	70 - 130
Bromoform	2.50	2.10		mg/Kg		84	59 - 137
Bromomethane	2.50	0.691	*	mg/Kg		28	32 - 150
Carbon disulfide	2.50	2.33		mg/Kg		93	66 - 138
Carbon tetrachloride	2.50	2.48		mg/Kg		99	70 - 131
Chlorobenzene	2.50	2.55		mg/Kg		102	70 - 130
Chlorodibromomethane	2.50	2.23		mg/Kg		89	70 - 130
Chloroethane	2.50	1.00		mg/Kg		40	37 - 150
Chloroform	2.50	2.37		mg/Kg		95	70 - 130
Chloromethane	2.50	2.02		mg/Kg		81	53 - 150
cis-1,2-Dichloroethene	2.50	2.38		mg/Kg		95	70 - 132
cis-1,3-Dichloropropene	2.50	2.48		mg/Kg		99	70 - 130
Dibromomethane	2.50	2.32		mg/Kg		93	70 - 130
Dichlorodifluoromethane	2.50	2.61		mg/Kg		105	32 - 150
Hexachlorobutadiene	2.50	2.30		mg/Kg		92	64 - 137
Isopropylbenzene	2.50	2.82		mg/Kg		113	70 - 130

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

Lab Sample ID: LCS 490-352790/7
Matrix: Solid
Analysis Batch: 352790

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	2.50	2.25		mg/Kg		90	69 - 130
Naphthalene	2.50	2.73		mg/Kg		109	55 - 149
N-Propylbenzene	2.50	2.79		mg/Kg		112	62 - 150
p-Isopropyltoluene	2.50	2.87		mg/Kg		115	66 - 147
sec-Butylbenzene	2.50	2.90		mg/Kg		116	68 - 147
tert-Butylbenzene	2.50	2.90		mg/Kg		116	70 - 138
Tetrachloroethene	2.50	2.46		mg/Kg		99	70 - 130
Toluene	2.50	2.62		mg/Kg		105	70 - 130
trans-1,2-Dichloroethene	2.50	2.39		mg/Kg		96	70 - 130
trans-1,3-Dichloropropene	2.50	2.44		mg/Kg		98	67 - 130
Trichloroethene	2.50	2.71		mg/Kg		108	70 - 130
Trichlorofluoromethane	2.50	1.64		mg/Kg		66	53 - 150
Vinyl chloride	2.50	2.42		mg/Kg		97	63 - 150
Xylenes, Total	5.00	5.27		mg/Kg		105	70 - 130
Methyl tert-butyl ether	2.50	2.72		mg/Kg		109	54 - 145
n-Butylbenzene	2.50	2.61		mg/Kg		104	57 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
Dibromofluoromethane (Surr)	*91*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 490-352790/8
Matrix: Solid
Analysis Batch: 352790

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	2.50	2.59		mg/Kg		104	70 - 130	4	38
Styrene	2.50	2.60		mg/Kg		104	70 - 131	4	40
Bromobenzene	2.50	2.47		mg/Kg		99	67 - 130	2	40
1,1,1,2-Tetrachloroethane	2.50	2.39		mg/Kg		96	70 - 130	2	41
1,1,1-Trichloroethane	2.50	2.57		mg/Kg		103	70 - 130	3	41
1,1,2,2-Tetrachloroethane	2.50	2.45		mg/Kg		98	61 - 134	6	16
1,1,2-Trichloroethane	2.50	2.30		mg/Kg		92	70 - 130	5	17
1,1-Dichloroethane	2.50	2.38		mg/Kg		95	70 - 130	2	42
1,1-Dichloroethene	2.50	2.41		mg/Kg		96	70 - 131	0	43
1,1-Dichloropropene	2.50	2.73		mg/Kg		109	70 - 130	1	41
1,2,3-Trichlorobenzene	2.50	2.67		mg/Kg		107	57 - 146	3	42
1,2,3-Trichloropropane	2.50	2.33		mg/Kg		93	60 - 139	6	16
1,2,4-Trichlorobenzene	2.50	2.64		mg/Kg		106	47 - 150	7	43
1,2,4-Trimethylbenzene	2.50	2.57		mg/Kg		103	70 - 140	6	38
1,2-Dibromo-3-Chloropropane	2.50	2.29		mg/Kg		91	47 - 144	9	38
1,2-Dibromoethane (EDB)	2.50	2.55		mg/Kg		102	69 - 130	5	17
1,2-Dichlorobenzene	2.50	2.42		mg/Kg		97	70 - 134	1	40
1,2-Dichloroethane	2.50	2.38		mg/Kg		95	65 - 134	5	16
1,2-Dichloropropane	2.50	2.47		mg/Kg		99	70 - 130	3	15
1,3,5-Trimethylbenzene	2.50	2.52		mg/Kg		101	69 - 141	6	38

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

Lab Sample ID: LCSD 490-352790/8
Matrix: Solid
Analysis Batch: 352790

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3-Dichlorobenzene			2.50	2.42		mg/Kg		97	69 - 137	6	41
1,3-Dichloropropane			2.50	2.45		mg/Kg		98	70 - 130	2	15
1,4-Dichlorobenzene			2.50	2.31		mg/Kg		92	66 - 134	1	41
2,2-Dichloropropane			2.50	2.56		mg/Kg		102	57 - 150	0	42
2-Butanone (MEK)			12.5	13.1		mg/Kg		104	50 - 149	8	39
2-Chlorotoluene			2.50	2.33		mg/Kg		93	70 - 132	6	41
2-Hexanone			12.5	12.0		mg/Kg		96	47 - 148	9	38
4-Chlorotoluene			2.50	2.38		mg/Kg		95	67 - 135	10	41
4-Methyl-2-pentanone (MIBK)			12.5	11.8		mg/Kg		95	48 - 150	8	41
Acetone			12.5	10.6		mg/Kg		85	45 - 145	12	38
Benzene			2.50	2.63		mg/Kg		105	70 - 130	1	37
Bromochloromethane			2.50	2.42		mg/Kg		97	70 - 133	3	15
Bromodichloromethane			2.50	2.52		mg/Kg		101	70 - 130	3	20
Bromoform			2.50	2.23		mg/Kg		89	59 - 137	6	17
Bromomethane			2.50	0.730	*	mg/Kg		29	32 - 150	5	45
Carbon disulfide			2.50	2.38		mg/Kg		95	66 - 138	2	41
Carbon tetrachloride			2.50	2.53		mg/Kg		101	70 - 131	2	41
Chlorobenzene			2.50	2.46		mg/Kg		99	70 - 130	4	40
Chlorodibromomethane			2.50	2.29		mg/Kg		92	70 - 130	3	14
Chloroethane			2.50	0.972		mg/Kg		39	37 - 150	3	50
Chloroform			2.50	2.40		mg/Kg		96	70 - 130	1	15
Chloromethane			2.50	2.00		mg/Kg		80	53 - 150	1	47
cis-1,2-Dichloroethene			2.50	2.42		mg/Kg		97	70 - 132	2	18
cis-1,3-Dichloropropene			2.50	2.50		mg/Kg		100	70 - 130	1	42
Dibromomethane			2.50	2.43		mg/Kg		97	70 - 130	5	19
Dichlorodifluoromethane			2.50	2.65		mg/Kg		106	32 - 150	1	50
Hexachlorobutadiene			2.50	2.05		mg/Kg		82	64 - 137	11	44
Isopropylbenzene			2.50	2.65		mg/Kg		106	70 - 130	6	39
Methylene Chloride			2.50	2.33		mg/Kg		93	69 - 130	3	19
Naphthalene			2.50	2.75		mg/Kg		110	55 - 149	1	37
N-Propylbenzene			2.50	2.59		mg/Kg		104	62 - 150	7	38
p-Isopropyltoluene			2.50	2.66		mg/Kg		106	66 - 147	8	38
sec-Butylbenzene			2.50	2.71		mg/Kg		108	68 - 147	7	38
tert-Butylbenzene			2.50	2.81		mg/Kg		113	70 - 138	3	38
Tetrachloroethene			2.50	2.34		mg/Kg		94	70 - 130	5	41
Toluene			2.50	2.57		mg/Kg		103	70 - 130	2	40
trans-1,2-Dichloroethene			2.50	2.40		mg/Kg		96	70 - 130	0	41
trans-1,3-Dichloropropene			2.50	2.48		mg/Kg		99	67 - 130	2	41
Trichloroethene			2.50	2.78		mg/Kg		111	70 - 130	3	41
Trichlorofluoromethane			2.50	1.56		mg/Kg		62	53 - 150	5	49
Vinyl chloride			2.50	2.50		mg/Kg		100	63 - 150	3	46
Xylenes, Total			5.00	5.02		mg/Kg		100	70 - 130	5	38
Methyl tert-butyl ether			2.50	2.93		mg/Kg		117	54 - 145	7	36
n-Butylbenzene			2.50	2.36		mg/Kg		95	57 - 150	10	39

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*

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

Lab Sample ID: LCSD 490-352790/8
Matrix: Solid
Analysis Batch: 352790

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

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*92*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 490-353124/8
Matrix: Solid
Analysis Batch: 353124

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
Styrene	ND		0.0020	0.0011	mg/Kg			07/06/16 13:02	1
Bromobenzene	ND		0.0020	0.00072	mg/Kg			07/06/16 13:02	1
1,1,1,2-Tetrachloroethane	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
1,1,1-Trichloroethane	ND		0.0020	0.00092	mg/Kg			07/06/16 13:02	1
1,1,2,2-Tetrachloroethane	ND		0.0020	0.0010	mg/Kg			07/06/16 13:02	1
1,1,2-Trichloroethane	ND		0.0050	0.0014	mg/Kg			07/06/16 13:02	1
1,1-Dichloroethane	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
1,1-Dichloroethene	ND		0.0020	0.00058	mg/Kg			07/06/16 13:02	1
1,1-Dichloropropene	ND		0.0020	0.00052	mg/Kg			07/06/16 13:02	1
1,2,3-Trichlorobenzene	ND		0.0020	0.00038	mg/Kg			07/06/16 13:02	1
1,2,3-Trichloropropane	ND		0.0020	0.00056	mg/Kg			07/06/16 13:02	1
1,2,4-Trichlorobenzene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
1,2,4-Trimethylbenzene	ND		0.0020	0.0010	mg/Kg			07/06/16 13:02	1
1,2-Dibromo-3-Chloropropane	ND		0.0050	0.00070	mg/Kg			07/06/16 13:02	1
1,2-Dibromoethane (EDB)	ND		0.0020	0.0010	mg/Kg			07/06/16 13:02	1
1,2-Dichlorobenzene	ND		0.0020	0.00034	mg/Kg			07/06/16 13:02	1
1,2-Dichloroethane	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
1,2-Dichloropropane	ND		0.0020	0.00094	mg/Kg			07/06/16 13:02	1
1,3,5-Trimethylbenzene	ND		0.0020	0.00076	mg/Kg			07/06/16 13:02	1
1,3-Dichlorobenzene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
1,3-Dichloropropane	ND		0.0020	0.00094	mg/Kg			07/06/16 13:02	1
1,4-Dichlorobenzene	ND		0.0020	0.00094	mg/Kg			07/06/16 13:02	1
2,2-Dichloropropane	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
2-Butanone (MEK)	ND		0.050	0.0052	mg/Kg			07/06/16 13:02	1
2-Chlorotoluene	ND		0.0020	0.00092	mg/Kg			07/06/16 13:02	1
2-Hexanone	ND		0.050	0.017	mg/Kg			07/06/16 13:02	1
4-Chlorotoluene	ND		0.0020	0.00084	mg/Kg			07/06/16 13:02	1
4-Methyl-2-pentanone (MIBK)	ND		0.050	0.017	mg/Kg			07/06/16 13:02	1
Acetone	ND		0.050	0.040	mg/Kg			07/06/16 13:02	1
Benzene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
Bromochloromethane	ND		0.0020	0.00056	mg/Kg			07/06/16 13:02	1
Bromodichloromethane	ND		0.0020	0.00056	mg/Kg			07/06/16 13:02	1
Bromoform	ND		0.0020	0.00056	mg/Kg			07/06/16 13:02	1
Bromomethane	0.00137	J	0.0020	0.0012	mg/Kg			07/06/16 13:02	1
Carbon disulfide	ND		0.0050	0.0036	mg/Kg			07/06/16 13:02	1
Carbon tetrachloride	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
Chlorobenzene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
Chlorodibromomethane	ND		0.0020	0.00034	mg/Kg			07/06/16 13:02	1
Chloroethane	ND		0.0050	0.0019	mg/Kg			07/06/16 13:02	1

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

Lab Sample ID: MB 490-353124/8
Matrix: Solid
Analysis Batch: 353124

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
Chloromethane	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
cis-1,2-Dichloroethene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
cis-1,3-Dichloropropene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
Dibromomethane	ND		0.0020	0.00056	mg/Kg			07/06/16 13:02	1
Dichlorodifluoromethane	ND		0.0020	0.0010	mg/Kg			07/06/16 13:02	1
Hexachlorobutadiene	ND		0.0050	0.0011	mg/Kg			07/06/16 13:02	1
Isopropylbenzene	ND		0.0020	0.00042	mg/Kg			07/06/16 13:02	1
Methylene Chloride	ND		0.010	0.0010	mg/Kg			07/06/16 13:02	1
Naphthalene	ND		0.0050	0.0017	mg/Kg			07/06/16 13:02	1
N-Propylbenzene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
p-Isopropyltoluene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
sec-Butylbenzene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
tert-Butylbenzene	ND		0.0020	0.0010	mg/Kg			07/06/16 13:02	1
Tetrachloroethene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
Toluene	ND		0.0020	0.00074	mg/Kg			07/06/16 13:02	1
trans-1,2-Dichloroethene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
trans-1,3-Dichloropropene	ND		0.0020	0.00068	mg/Kg			07/06/16 13:02	1
Trichloroethene	ND		0.0020	0.0010	mg/Kg			07/06/16 13:02	1
Trichlorofluoromethane	ND		0.0020	0.0010	mg/Kg			07/06/16 13:02	1
Vinyl chloride	ND		0.0020	0.0011	mg/Kg			07/06/16 13:02	1
Xylenes, Total	ND		0.0030	0.0012	mg/Kg			07/06/16 13:02	1
Methyl tert-butyl ether	ND		0.0020	0.0010	mg/Kg			07/06/16 13:02	1
n-Butylbenzene	ND		0.0020	0.0010	mg/Kg			07/06/16 13:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*07/06/16 13:02*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*07/06/16 13:02*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*07/06/16 13:02*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*07/06/16 13:02*	*1*

Lab Sample ID: LCS 490-353124/5
Matrix: Solid
Analysis Batch: 353124

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	2.50	2.63		mg/Kg		105	70 - 130
Styrene	2.50	2.60		mg/Kg		104	70 - 131
Bromobenzene	2.50	2.55		mg/Kg		102	67 - 130
1,1,1,2-Tetrachloroethane	2.50	2.59		mg/Kg		104	70 - 130
1,1,1-Trichloroethane	2.50	2.68		mg/Kg		107	70 - 130
1,1,2,2-Tetrachloroethane	2.50	2.49		mg/Kg		100	61 - 134
1,1,2-Trichloroethane	2.50	2.49		mg/Kg		100	70 - 130
1,1-Dichloroethane	2.50	2.77		mg/Kg		111	70 - 130
1,1-Dichloroethene	2.50	2.65		mg/Kg		106	70 - 131
1,1-Dichloropropene	2.50	2.76		mg/Kg		111	70 - 130
1,2,3-Trichlorobenzene	2.50	2.80		mg/Kg		112	57 - 146
1,2,3-Trichloropropane	2.50	2.60		mg/Kg		104	60 - 139

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

Lab Sample ID: LCS 490-353124/5
Matrix: Solid
Analysis Batch: 353124

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	2.50	2.76		mg/Kg		110	47 - 150
1,2,4-Trimethylbenzene	2.50	2.69		mg/Kg		108	70 - 140
1,2-Dibromo-3-Chloropropane	2.50	2.53		mg/Kg		101	47 - 144
1,2-Dibromoethane (EDB)	2.50	2.59		mg/Kg		103	69 - 130
1,2-Dichlorobenzene	2.50	2.69		mg/Kg		108	70 - 134
1,2-Dichloroethane	2.50	2.62		mg/Kg		105	65 - 134
1,2-Dichloropropane	2.50	2.67		mg/Kg		107	70 - 130
1,3,5-Trimethylbenzene	2.50	2.60		mg/Kg		104	69 - 141
1,3-Dichlorobenzene	2.50	2.67		mg/Kg		107	69 - 137
1,3-Dichloropropane	2.50	2.61		mg/Kg		104	70 - 130
1,4-Dichlorobenzene	2.50	2.67		mg/Kg		107	66 - 134
2,2-Dichloropropane	2.50	2.72		mg/Kg		109	57 - 150
2-Butanone (MEK)	12.5	13.1		mg/Kg		105	50 - 149
2-Chlorotoluene	2.50	2.42		mg/Kg		97	70 - 132
2-Hexanone	12.5	12.4		mg/Kg		99	47 - 148
4-Chlorotoluene	2.50	2.62		mg/Kg		105	67 - 135
4-Methyl-2-pentanone (MIBK)	12.5	12.5		mg/Kg		100	48 - 150
Acetone	12.5	13.3		mg/Kg		106	45 - 145
Benzene	2.50	2.72		mg/Kg		109	70 - 130
Bromochloromethane	2.50	2.59		mg/Kg		104	70 - 133
Bromodichloromethane	2.50	2.66		mg/Kg		107	70 - 130
Bromoform	2.50	2.47		mg/Kg		99	59 - 137
Bromomethane	2.50	2.91		mg/Kg		116	32 - 150
Carbon disulfide	2.50	2.62		mg/Kg		105	66 - 138
Carbon tetrachloride	2.50	2.73		mg/Kg		109	70 - 131
Chlorobenzene	2.50	2.71		mg/Kg		108	70 - 130
Chlorodibromomethane	2.50	2.56		mg/Kg		102	70 - 130
Chloroethane	2.50	2.54		mg/Kg		102	37 - 150
Chloroform	2.50	2.63		mg/Kg		105	70 - 130
Chloromethane	2.50	2.74		mg/Kg		110	53 - 150
cis-1,2-Dichloroethene	2.50	2.74		mg/Kg		110	70 - 132
cis-1,3-Dichloropropene	2.50	2.61		mg/Kg		104	70 - 130
Dibromomethane	2.50	2.69		mg/Kg		107	70 - 130
Dichlorodifluoromethane	2.50	2.66		mg/Kg		106	32 - 150
Hexachlorobutadiene	2.50	2.70		mg/Kg		108	64 - 137
Isopropylbenzene	2.50	2.65		mg/Kg		106	70 - 130
Methylene Chloride	2.50	2.66		mg/Kg		106	69 - 130
Naphthalene	2.50	2.70		mg/Kg		108	55 - 149
N-Propylbenzene	2.50	2.65		mg/Kg		106	62 - 150
p-Isopropyltoluene	2.50	2.71		mg/Kg		108	66 - 147
sec-Butylbenzene	2.50	2.72		mg/Kg		109	68 - 147
tert-Butylbenzene	2.50	2.67		mg/Kg		107	70 - 138
Tetrachloroethene	2.50	2.53		mg/Kg		101	70 - 130
Toluene	2.50	2.62		mg/Kg		105	70 - 130
trans-1,2-Dichloroethene	2.50	2.82		mg/Kg		113	70 - 130
trans-1,3-Dichloropropene	2.50	2.58		mg/Kg		103	67 - 130
Trichloroethene	2.50	2.75		mg/Kg		110	70 - 130
Trichlorofluoromethane	2.50	2.58		mg/Kg		103	53 - 150

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

Lab Sample ID: LCS 490-353124/5
Matrix: Solid
Analysis Batch: 353124

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	2.50	2.81		mg/Kg		113	63 - 150
Xylenes, Total	5.00	5.25		mg/Kg		105	70 - 130
Methyl tert-butyl ether	2.50	2.70		mg/Kg		108	54 - 145
n-Butylbenzene	2.50	2.67		mg/Kg		107	57 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
Dibromofluoromethane (Surr)	*102*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 490-353124/6
Matrix: Solid
Analysis Batch: 353124

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	2.50	2.56		mg/Kg		103	70 - 130	2	38
Styrene	2.50	2.55		mg/Kg		102	70 - 131	2	40
Bromobenzene	2.50	2.59		mg/Kg		104	67 - 130	1	40
1,1,1,2-Tetrachloroethane	2.50	2.58		mg/Kg		103	70 - 130	0	41
1,1,1-Trichloroethane	2.50	2.69		mg/Kg		108	70 - 130	0	41
1,1,2,2-Tetrachloroethane	2.50	2.66		mg/Kg		106	61 - 134	7	16
1,1,2-Trichloroethane	2.50	2.51		mg/Kg		101	70 - 130	1	17
1,1-Dichloroethane	2.50	2.73		mg/Kg		109	70 - 130	2	42
1,1-Dichloroethene	2.50	2.66		mg/Kg		106	70 - 131	0	43
1,1-Dichloropropene	2.50	2.74		mg/Kg		109	70 - 130	1	41
1,2,3-Trichlorobenzene	2.50	2.56		mg/Kg		102	57 - 146	9	42
1,2,3-Trichloropropane	2.50	2.66		mg/Kg		107	60 - 139	2	16
1,2,4-Trichlorobenzene	2.50	2.51		mg/Kg		100	47 - 150	9	43
1,2,4-Trimethylbenzene	2.50	2.59		mg/Kg		104	70 - 140	4	38
1,2-Dibromo-3-Chloropropane	2.50	2.38		mg/Kg		95	47 - 144	6	38
1,2-Dibromoethane (EDB)	2.50	2.59		mg/Kg		104	69 - 130	0	17
1,2-Dichlorobenzene	2.50	2.59		mg/Kg		103	70 - 134	4	40
1,2-Dichloroethane	2.50	2.77		mg/Kg		111	65 - 134	6	16
1,2-Dichloropropane	2.50	2.72		mg/Kg		109	70 - 130	2	15
1,3,5-Trimethylbenzene	2.50	2.58		mg/Kg		103	69 - 141	1	38
1,3-Dichlorobenzene	2.50	2.56		mg/Kg		103	69 - 137	4	41
1,3-Dichloropropane	2.50	2.66		mg/Kg		106	70 - 130	2	15
1,4-Dichlorobenzene	2.50	2.57		mg/Kg		103	66 - 134	4	41
2,2-Dichloropropane	2.50	2.72		mg/Kg		109	57 - 150	0	42
2-Butanone (MEK)	12.5	12.6		mg/Kg		101	50 - 149	4	39
2-Chlorotoluene	2.50	2.40		mg/Kg		96	70 - 132	1	41
2-Hexanone	12.5	12.6		mg/Kg		100	47 - 148	2	38
4-Chlorotoluene	2.50	2.63		mg/Kg		105	67 - 135	1	41
4-Methyl-2-pentanone (MIBK)	12.5	12.7		mg/Kg		102	48 - 150	2	41
Acetone	12.5	13.7		mg/Kg		109	45 - 145	3	38
Benzene	2.50	2.75		mg/Kg		110	70 - 130	1	37
Bromochloromethane	2.50	2.66		mg/Kg		106	70 - 133	3	15

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

Lab Sample ID: LCSD 490-353124/6
Matrix: Solid
Analysis Batch: 353124

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromodichloromethane			2.50	2.69		mg/Kg		108	70 - 130	1	20
Bromoform			2.50	2.45		mg/Kg		98	59 - 137	1	17
Bromomethane			2.50	2.90		mg/Kg		116	32 - 150	0	45
Carbon disulfide			2.50	2.62		mg/Kg		105	66 - 138	0	41
Carbon tetrachloride			2.50	2.75		mg/Kg		110	70 - 131	1	41
Chlorobenzene			2.50	2.62		mg/Kg		105	70 - 130	4	40
Chlorodibromomethane			2.50	2.59		mg/Kg		104	70 - 130	1	14
Chloroethane			2.50	2.90		mg/Kg		116	37 - 150	13	50
Chloroform			2.50	2.65		mg/Kg		106	70 - 130	1	15
Chloromethane			2.50	2.82		mg/Kg		113	53 - 150	3	47
cis-1,2-Dichloroethene			2.50	2.79		mg/Kg		112	70 - 132	2	18
cis-1,3-Dichloropropene			2.50	2.64		mg/Kg		106	70 - 130	1	42
Dibromomethane			2.50	2.74		mg/Kg		109	70 - 130	2	19
Dichlorodifluoromethane			2.50	2.71		mg/Kg		109	32 - 150	2	50
Hexachlorobutadiene			2.50	2.36		mg/Kg		94	64 - 137	14	44
Isopropylbenzene			2.50	2.57		mg/Kg		103	70 - 130	3	39
Methylene Chloride			2.50	2.72		mg/Kg		109	69 - 130	2	19
Naphthalene			2.50	2.51		mg/Kg		100	55 - 149	7	37
N-Propylbenzene			2.50	2.62		mg/Kg		105	62 - 150	1	38
p-Isopropyltoluene			2.50	2.56		mg/Kg		102	66 - 147	6	38
sec-Butylbenzene			2.50	2.63		mg/Kg		105	68 - 147	3	38
tert-Butylbenzene			2.50	2.61		mg/Kg		104	70 - 138	2	38
Tetrachloroethene			2.50	2.49		mg/Kg		100	70 - 130	2	41
Toluene			2.50	2.58		mg/Kg		103	70 - 130	1	40
trans-1,2-Dichloroethene			2.50	2.84		mg/Kg		114	70 - 130	1	41
trans-1,3-Dichloropropene			2.50	2.58		mg/Kg		103	67 - 130	0	41
Trichloroethene			2.50	2.76		mg/Kg		111	70 - 130	1	41
Trichlorofluoromethane			2.50	2.64		mg/Kg		105	53 - 150	2	49
Vinyl chloride			2.50	2.92		mg/Kg		117	63 - 150	4	46
Xylenes, Total			5.00	5.05		mg/Kg		101	70 - 130	4	38
Methyl tert-butyl ether			2.50	2.73		mg/Kg		109	54 - 145	1	36
n-Butylbenzene			2.50	2.50		mg/Kg		100	57 - 150	7	39

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
Dibromofluoromethane (Surr)	*102*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Method: Moisture - Percent Moisture

Lab Sample ID: 490-106678-1 DU
Matrix: Solid
Analysis Batch: 351912

Client Sample ID: TP1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	7.2			6.6		%				10	20
Percent Solids	92.8			93.4		%				0.7	20

GC/MS VOA

Prep Batch: 352341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-106667-A-2-C MS	Matrix Spike	Total/NA	Solid	5030B	
490-106667-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5030B	
490-106667-A-4-C MS	Matrix Spike	Total/NA	Solid	5030B	
490-106667-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5030B	
490-106678-1	TP1	Total/NA	Solid	5030B	
490-106678-2	TP2	Total/NA	Solid	5030B	
490-106678-3	TP3	Total/NA	Solid	5030B	
490-106678-4	TP4	Total/NA	Solid	5030B	
LCS 490-352341/2-A	Lab Control Sample	Total/NA	Solid	5030B	
MB 490-352341/1-A	Method Blank	Total/NA	Solid	5030B	

Analysis Batch: 352491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-106667-A-2-C MS	Matrix Spike	Total/NA	Solid	8260B	352341
490-106667-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	352341
490-106678-1	TP1	Total/NA	Solid	8260B	352341
LCS 490-352341/2-A	Lab Control Sample	Total/NA	Solid	8260B	352341
MB 490-352341/1-A	Method Blank	Total/NA	Solid	8260B	352341

Analysis Batch: 352790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-106667-A-4-C MS	Matrix Spike	Total/NA	Solid	8260B	352341
490-106667-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	352341
490-106678-2	TP2	Total/NA	Solid	8260B	352341
490-106678-2	TP2	Total/NA	Solid	8260B	352341
490-106678-3	TP3	Total/NA	Solid	8260B	352341
490-106678-3	TP3	Total/NA	Solid	8260B	352341
490-106678-4	TP4	Total/NA	Solid	8260B	352341
490-106678-4	TP4	Total/NA	Solid	8260B	352341
LCS 490-352790/7	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-352790/8	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-352790/10	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 353124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-106678-1	TP1	Total/NA	Solid	8260B	352341
LCS 490-353124/5	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-353124/6	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-353124/8	Method Blank	Total/NA	Solid	8260B	

General Chemistry

Analysis Batch: 351912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-106678-1	TP1	Total/NA	Solid	Moisture	
490-106678-1 DU	TP1	Total/NA	Solid	Moisture	
490-106678-2	TP2	Total/NA	Solid	Moisture	
490-106678-3	TP3	Total/NA	Solid	Moisture	
490-106678-4	TP4	Total/NA	Solid	Moisture	
490-106771-E-1 MS	Matrix Spike	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 351912 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-106771-E-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	

Client Sample ID: TP1
Date Collected: 06/27/16 12:56
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106678-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			351912	06/30/16 10:00	AAB	TAL NSH

Client Sample ID: TP1
Date Collected: 06/27/16 12:56
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106678-1
Matrix: Solid
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.82 g	5.0 mL	352341	07/01/16 11:51	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.82 g	5.0 mL	352491	07/03/16 20:10	EML	TAL NSH
Total/NA	Prep	5030B			5.82 g	5.0 mL	352341	07/01/16 11:51	JLP	TAL NSH
Total/NA	Analysis	8260B		100	5.82 g	5.0 mL	353124	07/06/16 13:57	EML	TAL NSH

Client Sample ID: TP2
Date Collected: 06/27/16 12:57
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106678-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			351912	06/30/16 10:00	AAB	TAL NSH

Client Sample ID: TP2
Date Collected: 06/27/16 12:57
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106678-2
Matrix: Solid
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.40 g	5.0 mL	352341	07/01/16 11:51	JLP	TAL NSH
Total/NA	Analysis	8260B		20	5.40 g	5.0 mL	352790	07/05/16 20:18	EML	TAL NSH
Total/NA	Prep	5030B			5.40 g	5.0 mL	352341	07/01/16 11:51	JLP	TAL NSH
Total/NA	Analysis	8260B		200	5.40 g	5.0 mL	352790	07/05/16 20:48	EML	TAL NSH

Client Sample ID: TP3
Date Collected: 06/27/16 12:58
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106678-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			351912	06/30/16 10:00	AAB	TAL NSH

Client Sample ID: TP3
Date Collected: 06/27/16 12:58
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106678-3
Matrix: Solid
Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.49 g	5.0 mL	352341	07/01/16 11:51	JLP	TAL NSH

Lab Chronicle

Client: Environmental Consulting
Project/Site: 709 E. Capitol Drive, Milwaukee, WI

TestAmerica Job ID: 490-106678-1

Client Sample ID: TP3

Lab Sample ID: 490-106678-3
Date Collected: 06/27/16 12:58
Matrix: Solid
Date Received: 06/28/16 09:20
Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	5.49 g	5.0 mL	352790	07/05/16 21:17	EML	TAL NSH
Total/NA	Prep	5030B			5.49 g	5.0 mL	352341	07/01/16 11:51	JLP	TAL NSH
Total/NA	Analysis	8260B		200	5.49 g	5.0 mL	352790	07/05/16 21:47	EML	TAL NSH

Client Sample ID: TP4

Lab Sample ID: 490-106678-4
Date Collected: 06/27/16 12:59
Matrix: Solid
Date Received: 06/28/16 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			351912	06/30/16 10:00	AAB	TAL NSH

Client Sample ID: TP4

Lab Sample ID: 490-106678-4
Date Collected: 06/27/16 12:59
Matrix: Solid
Date Received: 06/28/16 09:20
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.22 g	5.0 mL	352341	07/01/16 11:51	JLP	TAL NSH
Total/NA	Analysis	8260B		20	5.22 g	5.0 mL	352790	07/05/16 22:16	EML	TAL NSH
Total/NA	Prep	5030B			5.22 g	5.0 mL	352341	07/01/16 11:51	JLP	TAL NSH
Total/NA	Analysis	8260B		200	5.22 g	5.0 mL	352790	07/05/16 22:46	EML	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Environmental Consulting
Project/Site: 709 E. Capitol Drive, Milwaukee, WI

TestAmerica Job ID: 490-106678-1

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

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 NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Environmental Consulting
Project/Site: 709 E. Capitol Drive, Milwaukee, WI

TestAmerica Job ID: 490-106678-1

Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	998020430	08-31-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

490-106678 Chain of Custody

Cooler Received/Opened On 6/28/2016 @ 0920

Time Samples Removed From Cooler_____ Time Samples Placed In Storage_____ (2 Hour Window)

1. Tracking # 4334 (last 4 digits, FedEx) Courier: _FedEx_

IR Gun ID 17610176 pH Strip Lot HC564992 Chlorine Strip Lot 012516A

2. Temperature of rep. sample or temp blank when opened: 1.2 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 2 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) DA

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) DA

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) DA

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) DA

I certify that I attached a label with the unique LIMS number to each container (intial) DA

21. Were there Non-Conformance issues at login? YES..NO Was a NCM generated? YES..NO..# 490-248494

DA 6-29-16

BIS = Broken in shipment

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-3404

Chain of Custody Record

Loc: 490
106678

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

7/12/2016

Client Information

Client Contact: Mr. Richard Werner
Company: Environmental Consulting
Address: 2002 Renaissance Boulevard Suite 110
City: King of Prussia
State, Zip: PA, 19406
Phone: 610-476-5141(Tel)
Email: rwerner@eciconsulting.net
Project Name: ~~Milwaukee WI~~ 709 E. Capitol Drive
Site:

Sampler: Richard S. Werner
Phone: 610-279-7070
Due Date Requested:
TAT Requested (days): Normal 5-day TAT
PO #: ~~Purchase Order Requested~~ 2016.110
WO #:
Project #: 49010859
SSOW#:

Lab PM: Meidhof, Marie A
E-Mail: marie.meidhof@testamericainc.com
Car

COC No: 490-54615-17742.1
Page: Page 1 of 1
Job #: 2016.110

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Moisture - Percent Moisture/Solids	8260B - Standard 8260 List (TCL VOCs)	1,2,4-TMB	1,3,5-TMB	Total Number of containers	Special Instructions/Note:
Preservation Code:							N					
TP1	6/27/16	1256	G	Solid				X	X	X	2	1 4oz Jar + 1 Encore 25g.
TP2	6/27/16	1257	G	Solid				X	X	X	2	" "
TP3	6/27/16	1258	G	Solid				X	X	X	2	" "
TP4	6/27/16	1259	G	Solid				X	X	X	2	" "
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) Results only

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	6/27/16 @ 1545	ECI		6-28-16 0920	TAN
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Temp. 1.2

Login Sample Receipt Checklist

Client: Environmental Consulting

Job Number: 490-106678-1

Login Number: 106678
List Number: 1
Creator: Armstrong, Daniel

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.2C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX E

SOIL GAS LABORATORY ANALYTICAL RESULTS

EMSL Analytical
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (856)858-4800 / (856)858-4571
http://www.EMSL.com to15lab@EMSL.com

EMSL Order #: **491600763**
Customer ID: **ENV62**
Customer PO: **2016.11**

Attn: **Richard Werner**
Environmental Consulting, Inc
2002 Renaissance Blvd.
Suite 110
King of Prussia, PA 19406

Phone: **610-279-7070**
Fax: **610-279-4334**

Project: **709 E. Capitol Drive**

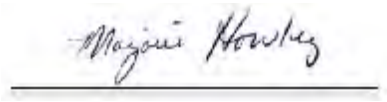
Date Collected: **06/27/2016**
Date Received: **06/28/2016**

Laboratory Report- Sample Summary

EMSL Sample ID.	Client Sample ID.	Start Sampling Date	Start Sampling Time
491600763-0001	SG1	6/27/2016	9:40 AM
491600763-0002	SG2	6/27/2016	12:19 PM
491600763-0003	SG3	6/27/2016	1:00 PM

If "Preliminary Report" is displayed in the signature box; this indicates that there are samples that have not yet been analyzed, that are in a preliminary state, or that analysis is in progress but not completed at the time of report issue.

Report Date:	Report Revision	Revision Comments
07/13/2016	R0	Initial Report



Marjorie Howley, Laboratory Manager
or other approved signatory

Test results meet all NELAP requirements unless otherwise specified.

EMSL Analytical
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http://www.EMSL.com to15lab@EMSL.com

EMSL Order #: **491600763**
EMSL Sample #: **491600763-1**
Customer ID: **ENV62**
Customer PO: **2016.11**

Attn: **Richard Werner**
Environmental Consulting, Inc
2002 Renaissance Blvd.
Suite 110
King of Prussia, PA 19406

Project: **709 E. Capitol Drive**

Phone: **610-279-7070**
Fax: **610-279-4334**
Date Collected: **06/27/2016**
Date Received: **06/28/2016**

Sample ID: SG1

Analysis	Analysis Date	Analyst Init.	Lab File ID	Canister ID	Sample Vol.	Dil. Factor
Initial	07/13/2016	MTH	M3677.D	HD1467	50 cc	10
Dilution1	07/13/2016	MTH	M3687.D	HD1467	25 cc	180

Target Compound Results Summary

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3	Comments
Propylene	115-07-1	42.08	**300**	10		**520**	17	
Freon 12(Dichlorodifluoromethane)	75-71-8	120.9	ND	5.0		ND	25	
Freon 114(1,2-Dichlorotetrafluoroethan	76-14-2	170.9	ND	5.0		ND	35	
Chloromethane	74-87-3	50.49	**5.5**	5.0		**11**	10	
n-Butane	106-97-8	58.12	ND	5.0		ND	12	
Vinyl chloride	75-01-4	62.50	ND	5.0		ND	13	
1,3-Butadiene	106-99-0	54.09	**10**	5.0		**22**	11	
Bromomethane	74-83-9	94.94	ND	5.0		ND	19	
Chloroethane	75-00-3	64.52	ND	5.0		ND	13	
Ethanol	64-17-5	46.07	**140**	5.0		**260**	9.4	
Bromoethene(Vinyl bromide)	593-60-2	106.9	ND	5.0		ND	22	
Freon 11(Trichlorofluoromethane)	75-69-4	137.4	ND	5.0		ND	28	
Isopropyl alcohol(2-Propanol)	67-63-0	60.10	**23**	5.0		**57**	12	
Freon 113(1,1,2-Trichlorotrifluoroethan	76-13-1	187.4	ND	5.0		ND	38	
Acetone	67-64-1	58.08	**2900**	90	D	**7000**	210	***Reported Dilution #1***
1,1-Dichloroethene	75-35-4	96.94	ND	5.0		ND	20	
Acetonitrile	75-05-8	41.00	ND	5.0		ND	8.4	
Tertiary butyl alcohol(TBA)	75-65-0	74.12	ND	5.0		ND	15	
Bromoethane(Ethyl bromide)	74-96-4	108.0	ND	5.0		ND	22	
3-Chloropropene(Allyl chloride)	107-05-1	76.53	ND	5.0		ND	16	
Carbon disulfide	75-15-0	76.14	ND	5.0		ND	16	
Methylene chloride	75-09-2	84.94	ND	5.0		ND	17	
Acrylonitrile	107-13-1	53.00	ND	5.0		ND	11	
Methyl-tert-butyl ether(MTBE)	1634-04-4	88.15	ND	5.0		ND	18	
trans-1,2-Dichloroethene	156-60-5	96.94	ND	5.0		ND	20	
n-Hexane	110-54-3	86.17	**10**	5.0		**36**	18	
1,1-Dichloroethane	75-34-3	98.96	ND	5.0		ND	20	
Vinyl acetate	108-05-4	86.00	ND	5.0		ND	18	
2-Butanone(MEK)	78-93-3	72.10	**320**	5.0		**1000**	15	
cis-1,2-Dichloroethene	156-59-2	96.94	ND	5.0		ND	20	
Ethyl acetate	141-78-6	88.10	**8.7**	5.0		**31**	18	
Chloroform	67-66-3	119.4	ND	5.0		ND	24	
Tetrahydrofuran	109-99-9	72.11	**300**	5.0		**870**	15	
1,1,1-Trichloroethane	71-55-6	133.4	ND	5.0		ND	27	
Cyclohexane	110-82-7	84.16	ND	5.0		ND	17	
2,2,4-Trimethylpentane(Isooctane)	540-84-1	114.2	**5.1**	5.0		**24**	23	
Carbon tetrachloride	56-23-5	153.8	ND	5.0		ND	31	
n-Heptane	142-82-5	100.2	**23**	5.0		**94**	20	
1,2-Dichloroethane	107-06-2	98.96	ND	5.0		ND	20	
Benzene	71-43-2	78.11	ND	5.0		ND	16	
Trichloroethene	79-01-6	131.4	ND	5.0		ND	27	
1,2-Dichloropropane	78-87-5	113.0	ND	5.0		ND	23	
Methyl Methacrylate	80-62-6	100.12	ND	5.0		ND	20	
Bromodichloromethane	75-27-4	163.8	ND	5.0		ND	33	
1,4-Dioxane	123-91-1	88.12	ND	5.0		ND	18	
4-Methyl-2-pentanone(MIBK)	108-10-1	100.2	ND	5.0		ND	20	

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http://www.EMSL.com to15lab@EMSL.com

EMSL Order #: **491600763**
EMSL Sample #: **491600763-1**
Customer ID: **ENV62**
Customer PO: **2016.11**

Attn: **Richard Werner**
Environmental Consulting, Inc
2002 Renaissance Blvd.
Suite 110
King of Prussia, PA 19406

Phone: **610-279-7070**
Fax: **610-279-4334**
Date Collected: **06/27/2016**
Date Received: **06/28/2016**

Project: **709 E. Capitol Drive**

Sample ID: SG1

Analysis	Analysis Date	Analyst Init.	Lab File ID	Canister ID	Sample Vol.	Dil. Factor
Initial	07/13/2016	MTH	M3677.D	HD1467	50 cc	10
Dilution1	07/13/2016	MTH	M3687.D	HD1467	25 cc	180

Target Compound Results Summary

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3	Comments
cis-1,3-Dichloropropene	10061-01-5	111.0	ND	5.0		ND	23	
Toluene	108-88-3	92.14	**52**	5.0		**190**	19	
trans-1,3-Dichloropropene	10061-02-6	111.0	ND	5.0		ND	23	
1,1,2-Trichloroethane	79-00-5	133.4	ND	5.0		ND	27	
2-Hexanone(MBK)	591-78-6	100.1	ND	5.0		ND	20	
Tetrachloroethene	127-18-4	165.8	ND	5.0		ND	34	
Dibromochloromethane	124-48-1	208.3	ND	5.0		ND	43	
1,2-Dibromoethane	106-93-4	187.8	ND	5.0		ND	38	
Chlorobenzene	108-90-7	112.6	ND	5.0		ND	23	
Ethylbenzene	100-41-4	106.2	**14**	5.0		**60**	22	
Xylene (p,m)	1330-20-7	106.2	**43**	10		**190**	43	
Xylene (Ortho)	95-47-6	106.2	**15**	5.0		**63**	22	
Styrene	100-42-5	104.1	ND	5.0		ND	21	
Isopropylbenzene (cumene)	98-82-8	120.19	ND	5.0		ND	25	
Bromoform	75-25-2	252.8	ND	5.0		ND	52	
1,1,2,2-Tetrachloroethane	79-34-5	167.9	ND	5.0		ND	34	
4-Ethyltoluene	622-96-8	120.2	**5.3**	5.0		**26**	25	
1,3,5-Trimethylbenzene	108-67-8	120.2	ND	5.0		ND	25	
2-Chlorotoluene	95-49-8	126.6	ND	5.0		ND	26	
1,2,4-Trimethylbenzene	95-63-6	120.2	**5.3**	5.0		**26**	25	
1,3-Dichlorobenzene	541-73-1	147.0	ND	5.0		ND	30	
1,4-Dichlorobenzene	106-46-7	147.0	ND	5.0		ND	30	
Benzyl chloride	100-44-7	126.0	ND	5.0		ND	26	
1,2-Dichlorobenzene	95-50-1	147.0	ND	5.0		ND	30	
1,2,4-Trichlorobenzene	120-82-1	181.5	ND	5.0		ND	37	
Hexachloro-1,3-butadiene	87-68-3	260.8	ND	5.0		ND	53	
Naphthalene	91-20-3	128.17	ND	5.0		ND	26	
Total Target Compound Concentrations:			**4200**	**ppbv**		**10000**	**ug/m3**	

Surrogate	Result	Spike	Recovery
4-Bromofluorobenzene	10	10	100%

Qualifier Definitions

ND = Non Detect

B = Compound also found in method blank.

E= Estimated concentration exceeding upper calibration range.

D= Result reported from diluted analysis.

Method Reference

USEPA: Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air…" Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).

NJDEP Certification #: 03036

EMSL Analytical
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http://www.EMSL.com to15lab@EMSL.com

EMSL Order #: **491600763**
EMSL Sample #: **491600763-2**
Customer ID: **ENV62**
Customer PO: **2016.11**

Attn: **Richard Werner**
Environmental Consulting, Inc
2002 Renaissance Blvd.
Suite 110
King of Prussia, PA 19406

Phone: **610-279-7070**
Fax: **610-279-4334**
Date Collected: **06/27/2016**
Date Received: **06/28/2016**

Project: **709 E. Capitol Drive**

Sample ID: SG2

Analysis	Analysis Date	Analyst Init.	Lab File ID	Canister ID	Sample Vol.	Dil. Factor
Initial	07/13/2016	MTH	M3678.D	HD2120	25 cc	10
Dilution1	07/13/2016	MTH	M3688.D	HD2120	25 cc	270

Target Compound Results Summary

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3	Comments
Propylene	115-07-1	42.08	**170**	10		**290**	17	
Freon 12(Dichlorodifluoromethane)	75-71-8	120.9	ND	5.0		ND	25	
Freon 114(1,2-Dichlorotetrafluoroethan	76-14-2	170.9	ND	5.0		ND	35	
Chloromethane	74-87-3	50.49	ND	5.0		ND	10	
n-Butane	106-97-8	58.12	ND	5.0		ND	12	
Vinyl chloride	75-01-4	62.50	ND	5.0		ND	13	
1,3-Butadiene	106-99-0	54.09	**6.8**	5.0		**15**	11	
Bromomethane	74-83-9	94.94	ND	5.0		ND	19	
Chloroethane	75-00-3	64.52	ND	5.0		ND	13	
Ethanol	64-17-5	46.07	**120**	5.0		**230**	9.4	
Bromoethene(Vinyl bromide)	593-60-2	106.9	ND	5.0		ND	22	
Freon 11(Trichlorofluoromethane)	75-69-4	137.4	ND	5.0		ND	28	
Isopropyl alcohol(2-Propanol)	67-63-0	60.10	**35**	5.0		**86**	12	
Freon 113(1,1,2-Trichlorotrifluoroethan	76-13-1	187.4	ND	5.0		ND	38	
Acetone	67-64-1	58.08	**4000**	140	D	**9500**	320	***Reported Dilution #1***
1,1-Dichloroethene	75-35-4	96.94	ND	5.0		ND	20	
Acetonitrile	75-05-8	41.00	ND	5.0		ND	8.4	
Tertiary butyl alcohol(TBA)	75-65-0	74.12	ND	5.0		ND	15	
Bromoethane(Ethyl bromide)	74-96-4	108.0	ND	5.0		ND	22	
3-Chloropropene(Allyl chloride)	107-05-1	76.53	ND	5.0		ND	16	
Carbon disulfide	75-15-0	76.14	ND	5.0		ND	16	
Methylene chloride	75-09-2	84.94	ND	5.0		ND	17	
Acrylonitrile	107-13-1	53.00	ND	5.0		ND	11	
Methyl-tert-butyl ether(MTBE)	1634-04-4	88.15	ND	5.0		ND	18	
trans-1,2-Dichloroethene	156-60-5	96.94	ND	5.0		ND	20	
n-Hexane	110-54-3	86.17	**7.2**	5.0		**25**	18	
1,1-Dichloroethane	75-34-3	98.96	ND	5.0		ND	20	
Vinyl acetate	108-05-4	86.00	ND	5.0		ND	18	
2-Butanone(MEK)	78-93-3	72.10	**190**	5.0		**560**	15	
cis-1,2-Dichloroethene	156-59-2	96.94	ND	5.0		ND	20	
Ethyl acetate	141-78-6	88.10	**5.5**	5.0		**20**	18	
Chloroform	67-66-3	119.4	ND	5.0		ND	24	
Tetrahydrofuran	109-99-9	72.11	**220**	5.0		**630**	15	
1,1,1-Trichloroethane	71-55-6	133.4	ND	5.0		ND	27	
Cyclohexane	110-82-7	84.16	ND	5.0		ND	17	
2,2,4-Trimethylpentane(Isooctane)	540-84-1	114.2	ND	5.0		ND	23	
Carbon tetrachloride	56-23-5	153.8	ND	5.0		ND	31	
n-Heptane	142-82-5	100.2	**7.6**	5.0		**31**	20	
1,2-Dichloroethane	107-06-2	98.96	ND	5.0		ND	20	
Benzene	71-43-2	78.11	ND	5.0		ND	16	
Trichloroethene	79-01-6	131.4	ND	5.0		ND	27	
1,2-Dichloropropane	78-87-5	113.0	ND	5.0		ND	23	
Methyl Methacrylate	80-62-6	100.12	ND	5.0		ND	20	
Bromodichloromethane	75-27-4	163.8	ND	5.0		ND	33	
1,4-Dioxane	123-91-1	88.12	ND	5.0		ND	18	
4-Methyl-2-pentanone(MIBK)	108-10-1	100.2	ND	5.0		ND	20	

EMSL Analytical
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EMSL Order #: **491600763**
EMSL Sample #: **491600763-2**
Customer ID: **ENV62**
Customer PO: **2016.11**

Attn: **Richard Werner**
Environmental Consulting, Inc
2002 Renaissance Blvd.
Suite 110
King of Prussia, PA 19406

Phone: **610-279-7070**
Fax: **610-279-4334**
Date Collected: **06/27/2016**
Date Received: **06/28/2016**

Project: **709 E. Capitol Drive**

Sample ID: SG2

Analysis	Analysis Date	Analyst Init.	Lab File ID	Canister ID	Sample Vol.	Dil. Factor
Initial	07/13/2016	MTH	M3678.D	HD2120	25 cc	10
Dilution1	07/13/2016	MTH	M3688.D	HD2120	25 cc	270

Target Compound Results Summary

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3	Comments
cis-1,3-Dichloropropene	10061-01-5	111.0	ND	5.0		ND	23	
Toluene	108-88-3	92.14	**17**	5.0		**63**	19	
trans-1,3-Dichloropropene	10061-02-6	111.0	ND	5.0		ND	23	
1,1,2-Trichloroethane	79-00-5	133.4	ND	5.0		ND	27	
2-Hexanone(MBK)	591-78-6	100.1	ND	5.0		ND	20	
Tetrachloroethene	127-18-4	165.8	ND	5.0		ND	34	
Dibromochloromethane	124-48-1	208.3	ND	5.0		ND	43	
1,2-Dibromoethane	106-93-4	187.8	ND	5.0		ND	38	
Chlorobenzene	108-90-7	112.6	ND	5.0		ND	23	
Ethylbenzene	100-41-4	106.2	ND	5.0		ND	22	
Xylene (p,m)	1330-20-7	106.2	ND	10		ND	43	
Xylene (Ortho)	95-47-6	106.2	ND	5.0		ND	22	
Styrene	100-42-5	104.1	ND	5.0		ND	21	
Isopropylbenzene (cumene)	98-82-8	120.19	ND	5.0		ND	25	
Bromoform	75-25-2	252.8	ND	5.0		ND	52	
1,1,2,2-Tetrachloroethane	79-34-5	167.9	ND	5.0		ND	34	
4-Ethyltoluene	622-96-8	120.2	ND	5.0		ND	25	
1,3,5-Trimethylbenzene	108-67-8	120.2	ND	5.0		ND	25	
2-Chlorotoluene	95-49-8	126.6	ND	5.0		ND	26	
1,2,4-Trimethylbenzene	95-63-6	120.2	ND	5.0		ND	25	
1,3-Dichlorobenzene	541-73-1	147.0	ND	5.0		ND	30	
1,4-Dichlorobenzene	106-46-7	147.0	ND	5.0		ND	30	
Benzyl chloride	100-44-7	126.0	ND	5.0		ND	26	
1,2-Dichlorobenzene	95-50-1	147.0	ND	5.0		ND	30	
1,2,4-Trichlorobenzene	120-82-1	181.5	ND	5.0		ND	37	
Hexachloro-1,3-butadiene	87-68-3	260.8	ND	5.0		ND	53	
Naphthalene	91-20-3	128.17	ND	5.0		ND	26	
Total Target Compound Concentrations:			**4800**	ppbv		**11000**	ug/m3	

Surrogate	Result	Spike	Recovery
4-Bromofluorobenzene	9.9	10	99%

Qualifier Definitions

ND = Non Detect

B = Compound also found in method blank.

E= Estimated concentration exceeding upper calibration range.

D= Result reported from diluted analysis.

Method Reference

USEPA: Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air…" Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).

NJDEP Certification #: 03036

EMSL Analytical
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EMSL Order #: **491600763**
EMSL Sample #: **491600763-3**
Customer ID: **ENV62**
Customer PO: **2016.11**

Attn: **Richard Werner**
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Phone: **610-279-7070**
Fax: **610-279-4334**
Date Collected: **06/27/2016**
Date Received: **06/28/2016**

Project: **709 E. Capitol Drive**

Sample ID: SG3

Analysis	Analysis Date	Analyst Init.	Lab File ID	Canister ID	Sample Vol.	Dil. Factor
Initial	07/13/2016	MTH	M3679.D	HD2337	25 cc	10
Dilution1	07/13/2016	MTH	M3689.D	HD2337	25 cc	270

Target Compound Results Summary

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3	Comments
Propylene	115-07-1	42.08	**1200**	270	D	**2000**	460	***Reported Dilution #1***
Freon 12(Dichlorodifluoromethane)	75-71-8	120.9	ND	5.0		ND	25	
Freon 114(1,2-Dichlorotetrafluoroethan	76-14-2	170.9	ND	5.0		ND	35	
Chloromethane	74-87-3	50.49	ND	5.0		ND	10	
n-Butane	106-97-8	58.12	ND	5.0		ND	12	
Vinyl chloride	75-01-4	62.50	ND	5.0		ND	13	
1,3-Butadiene	106-99-0	54.09	ND	5.0		ND	11	
Bromomethane	74-83-9	94.94	ND	5.0		ND	19	
Chloroethane	75-00-3	64.52	ND	5.0		ND	13	
Ethanol	64-17-5	46.07	**74**	5.0		**140**	9.4	
Bromoethene(Vinyl bromide)	593-60-2	106.9	ND	5.0		ND	22	
Freon 11(Trichlorofluoromethane)	75-69-4	137.4	ND	5.0		ND	28	
Isopropyl alcohol(2-Propanol)	67-63-0	60.10	**34**	5.0		**84**	12	
Freon 113(1,1,2-Trichlorotrifluoroethan	76-13-1	187.4	ND	5.0		ND	38	
Acetone	67-64-1	58.08	**5500**	140	D	**13000**	320	***Reported Dilution #1***
1,1-Dichloroethene	75-35-4	96.94	ND	5.0		ND	20	
Acetonitrile	75-05-8	41.00	ND	5.0		ND	8.4	
Tertiary butyl alcohol(TBA)	75-65-0	74.12	ND	5.0		ND	15	
Bromoethane(Ethyl bromide)	74-96-4	108.0	ND	5.0		ND	22	
3-Chloropropene(Allyl chloride)	107-05-1	76.53	ND	5.0		ND	16	
Carbon disulfide	75-15-0	76.14	ND	5.0		ND	16	
Methylene chloride	75-09-2	84.94	ND	5.0		ND	17	
Acrylonitrile	107-13-1	53.00	ND	5.0		ND	11	
Methyl-tert-butyl ether(MTBE)	1634-04-4	88.15	ND	5.0		ND	18	
trans-1,2-Dichloroethene	156-60-5	96.94	ND	5.0		ND	20	
n-Hexane	110-54-3	86.17	**13**	5.0		**46**	18	
1,1-Dichloroethane	75-34-3	98.96	ND	5.0		ND	20	
Vinyl acetate	108-05-4	86.00	ND	5.0		ND	18	
2-Butanone(MEK)	78-93-3	72.10	**200**	5.0		**580**	15	
cis-1,2-Dichloroethene	156-59-2	96.94	**15**	5.0		**60**	20	
Ethyl acetate	141-78-6	88.10	**5.1**	5.0		**18**	18	
Chloroform	67-66-3	119.4	ND	5.0		ND	24	
Tetrahydrofuran	109-99-9	72.11	**200**	5.0		**590**	15	
1,1,1-Trichloroethane	71-55-6	133.4	ND	5.0		ND	27	
Cyclohexane	110-82-7	84.16	**17**	5.0		**60**	17	
2,2,4-Trimethylpentane(Isooctane)	540-84-1	114.2	**5.4**	5.0		**25**	23	
Carbon tetrachloride	56-23-5	153.8	ND	5.0		ND	31	
n-Heptane	142-82-5	100.2	**9.2**	5.0		**38**	20	
1,2-Dichloroethane	107-06-2	98.96	ND	5.0		ND	20	
Benzene	71-43-2	78.11	ND	5.0		ND	16	
Trichloroethene	79-01-6	131.4	ND	5.0		ND	27	
1,2-Dichloropropane	78-87-5	113.0	**70**	5.0		**320**	23	
Methyl Methacrylate	80-62-6	100.12	ND	5.0		ND	20	
Bromodichloromethane	75-27-4	163.8	ND	5.0		ND	33	
1,4-Dioxane	123-91-1	88.12	ND	5.0		ND	18	
4-Methyl-2-pentanone(MIBK)	108-10-1	100.2	ND	5.0		ND	20	

EMSL Analytical
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (856)858-4800 / (856)858-4571
http://www.EMSL.com to15lab@EMSL.com

EMSL Order #: **491600763**
EMSL Sample #: **491600763-3**
Customer ID: **ENV62**
Customer PO: **2016.11**

Attn: **Richard Werner**
Environmental Consulting, Inc
2002 Renaissance Blvd.
Suite 110
King of Prussia, PA 19406

Phone: **610-279-7070**
Fax: **610-279-4334**
Date Collected: **06/27/2016**
Date Received: **06/28/2016**

Project: **709 E. Capitol Drive**

Sample ID: SG3

Analysis	Analysis Date	Analyst Init.	Lab File ID	Canister ID	Sample Vol.	Dil. Factor
Initial	07/13/2016	MTH	M3679.D	HD2337	25 cc	10
Dilution1	07/13/2016	MTH	M3689.D	HD2337	25 cc	270

Target Compound Results Summary

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3	Comments
cis-1,3-Dichloropropene	10061-01-5	111.0	ND	5.0		ND	23	
Toluene	108-88-3	92.14	**9.5**	5.0		**36**	19	
trans-1,3-Dichloropropene	10061-02-6	111.0	ND	5.0		ND	23	
1,1,2-Trichloroethane	79-00-5	133.4	ND	5.0		ND	27	
2-Hexanone(MBK)	591-78-6	100.1	ND	5.0		ND	20	
Tetrachloroethene	127-18-4	165.8	ND	5.0		ND	34	
Dibromochloromethane	124-48-1	208.3	ND	5.0		ND	43	
1,2-Dibromoethane	106-93-4	187.8	ND	5.0		ND	38	
Chlorobenzene	108-90-7	112.6	ND	5.0		ND	23	
Ethylbenzene	100-41-4	106.2	ND	5.0		ND	22	
Xylene (p,m)	1330-20-7	106.2	ND	10		ND	43	
Xylene (Ortho)	95-47-6	106.2	ND	5.0		ND	22	
Styrene	100-42-5	104.1	ND	5.0		ND	21	
Isopropylbenzene (cumene)	98-82-8	120.19	ND	5.0		ND	25	
Bromoform	75-25-2	252.8	ND	5.0		ND	52	
1,1,2,2-Tetrachloroethane	79-34-5	167.9	ND	5.0		ND	34	
4-Ethyltoluene	622-96-8	120.2	ND	5.0		ND	25	
1,3,5-Trimethylbenzene	108-67-8	120.2	ND	5.0		ND	25	
2-Chlorotoluene	95-49-8	126.6	ND	5.0		ND	26	
1,2,4-Trimethylbenzene	95-63-6	120.2	ND	5.0		ND	25	
1,3-Dichlorobenzene	541-73-1	147.0	ND	5.0		ND	30	
1,4-Dichlorobenzene	106-46-7	147.0	ND	5.0		ND	30	
Benzyl chloride	100-44-7	126.0	ND	5.0		ND	26	
1,2-Dichlorobenzene	95-50-1	147.0	ND	5.0		ND	30	
1,2,4-Trichlorobenzene	120-82-1	181.5	ND	5.0		ND	37	
Hexachloro-1,3-butadiene	87-68-3	260.8	ND	5.0		ND	53	
Naphthalene	91-20-3	128.17	ND	5.0		ND	26	
Total Target Compound Concentrations:			**7400**	ppbv		**17000**	ug/m3	

Surrogate	Result	Spike	Recovery
4-Bromofluorobenzene	10	10	100%

Qualifier Definitions

ND = Non Detect

B = Compound also found in method blank.

E= Estimated concentration exceeding upper calibration range.

D= Result reported from diluted analysis.

Method Reference

USEPA: Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air…" Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).

NJDEP Certification #: 03036

USEPA TO-15
External Chain of Custody/ Field Test Data Sheet

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
Ph. (800) 220-3675
Fax (856) 786-0327

EMSL ANALYTICAL, INC. LABORATORY • PRODUCTS • TRAINING

EMSL Order Number (Lab Use Only): 491600763

Report To Contact Name: Richard S. Wenner	Bill To Company: Same as Report	Sampled By (Sign):
Company Name: Environmental Consulting Inc.	Attention To:	Sampled By (Name): Richard S. Wenner
Address 1: 2002 Renaissance Blvd. Suite 110	Address 1:	Total # of Samples: 3
Address 2: King of Prussia, PA 19406	Address 2:	Date Shipped: 6/27/16
Phone No.: 610-279-7070 Fax: 610-279-4334	Phone No.: Fax:	Sample Collection Zip Code: 53212
Email Results To: rwenner@eciconsulting.net	Project Name: 709 E. Capitol Drive	Purchase Order: 2016.110

Turnaround Time (in Business Days): ☒ 10 Day Standard ☐ 5 Day ☐ 4 Day ☐ 3 Day ☐ 2 Day ☐ 1 Day ☐ Other

Reporting Format: ☒ Results Only (Standard Lab Report) ☐ Full Deliverables (Surcharge may apply) ☐ Other

Field Use - All Information Required! | Lab Use Only

EMSL Sample Identifier	Client Field Sample Identification	Sampling Start Information: Start Date	Start Time (24 hr clock)	Start Canister Pressure ("Hg)	Start Interior Temp. (F)	Sampling Stop Information: Stop Date	Stop Time (24 hr clock)	Stop Canister Pressure ("Hg)	Stop Interior Temp. (F)	Canister Information: Canister ID	Size (L)	Can Cert Batch ID	Outgoing Pressure ("Hg)	Incoming Pressure ("Hg)	Flow Contoller: Reg. ID	Cal Flow (ml/min)	Analysis: USEPA TO-15	NJDEP LLTO-15	LIBRARY SEARCH	Other (Specify)	Matrix: Indoor/ Ambient Air	Soil Gas	Landfill/ Vent
	SG1	6/27/16	0940	-30	—	6/27/16	1040	-15	—	HD1467	1 L	H0347	-30	-15.0	7277436	19.8	X					X	
	SG2	6/27/16	1219	-30	—	6/27/16	1320	-15	—	2120	↓	↓	↓	-9.0	7282374	↓	X					X	
	SG3	6/27/16	1300	-30	—	6/27/16	1401	-3	—	2337	↓	↓	↓	-3.0	7291649	↓	X					X	

2016 JUN 28 A 10:31

Comments: FX# 8768 6664 4692

Lab Canister Certification
Analyst Signature (TO-15):

Relinquished by:	Date/ Time	Received by:	Date/ Time	Affixed Seal #	Reason for Exchange (circle appropriate)
Cathy Peters	6/22/16 1535		6/26/16 @ 2030	650	Shipping Courier Receiving Sampling Other:
	6/27/16	DH FX	6/27/16 9:45		Shipping Courier Receiving Sampling Other:
DH	6/28/16 9:45	Same Day TO-15	6/28/16 1142		Shipping Courier Receiving Sampling Other: AN
					Shipping Courier Receiving Sampling Other:
					Shipping Courier Receiving Sampling Other:

8 of 9

49160763

TO-15 Sample Information

Please fill out this worksheet in addition to the Chain of Custody form. This information helps us to best analyze your samples and achieve requested TAT

Company: Environmental Consulting Inc.

Contact Person:

Name: Richard S. Werner

E-mail: rwerner@ecienconsulting.net

Additional E-mails:

Telephone #: 610-279-7070 **Fax #:** 610-279-4334

2016 JUN 28 A 10:31

Library Search requested: [ ] YES [X] NO

A library search will identify up to 20 of the largest, non-target peaks that are not part of the standard TO-15 list of 74 compounds. If you are performing an Indoor Air Quality or odor investigation, the library search is recommended.

Sample Type:

[ ] Indoor Air Quality (Home/Office) [ ] Vent Gas [X] Soil Gas
[ ] IAQ (Industrial)
[ ] Other:

Sample Description: Soil Gas

The result forms that we provide will not indicate whether your results have exceeded any Exposure Limit criteria established by any regulatory agency. If you would like that information, please check off below which regulatory comparison forms you would like to receive.

[ ] OSHA/NIOSH RELS			[ ] Possible Sources of Contaminants
[ ] EPA PELS - Circle one:	Residential	Industrial	[ ] TVOC (Library Search Required for this format)
[ ] NJ DEP - Circle one:	Indoor Air	Soil Gas	[ ] Ohio - Circle one: Residential Commercial
[ ] NC DENR - Circle one:	Indoor Air	Soil Gas	[ ] Indiana Dept Env Mgmt Screeening Levels
[ ] PA DEP - Circle one:	Indoor Air	Soil Gas	[ ] Vermont DEP IROCP (soil gas only)

[ ] Other, These are the compounds I want reported:

Additional analyses that can be performed from your canister. Please note: there is an additional charge for any of the tests below.

US EPA TO-3 via GC/FID **(choose one below):**
[ ] C_1-C_6 hydrocarbons
[ ] Methane only

ASTM-D5504 *via GC/SCD* **(choose one below): ***
[ ] Sulfur Scan (H_2S, COS, MeSH, EtSH, DMS)
[ ] H_2S only

Note: Hold time for sulfur gases is 3 days when collected in can. We can NOT guarantee analysis within hold time if cans are received on Fridays or after 12pm Monday - Thursday.

We can provide the following CMS tests from your canisters. Please note that these tests are to be used for IAQ/Screening purposes ONLY. EMSL recommends field sampling for these parameters, please contact your sales rep for the proper media. Please note: there is an additional charge for any of the tests below.

Draeger CMS Analyzer:
[ ] CO ; [ ] CO_2 ; [ ] SO_2 ; [ ] EtO ; [ ] NH_3 ; [ ] Cl_2 ; [ ] H_2S; [ ] NO2 ; [ ] NOx ; [ ] O2 ;
[ ] Petroleum hydrocarbons ; [ ] Phosgene ; [ ] Phosphine

Sample Retention Policy: All canisters are guaranteed to be retained for one day after results are reported. Please review your results promptly to ensure that your project scope is fully addressed. Cans may be retained for a longer period of time but arrangements to hold your cans must be made through your customer account representative quickly. Thank you.

APPENDIX F

GROUNDWATER
LABORATORY ANALYTICAL RESULTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-106669-1
Client Project/Site: 709 E. Capitol Drive, Milwaukee, WI

For:
Environmental Consulting
2002 Renaissance Boulevard
Suite 110
King of Prussia, Pennsylvania 19406

Attn: Mr. Richard S Werner

Authorized for release by:
7/5/2016 9:19:12 AM

Marie Meidhof, Project Manager II
(732)549-3900
marie.meidhof@testamericainc.com

Table of Contents

Sample Summary

Client: Environmental Consulting
Project/Site: 709 E. Capitol Drive, Milwaukee, WI

TestAmerica Job ID: 490-106669-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-106669-1	B1-GW	Water	06/27/16 13:05	06/28/16 09:20
490-106669-2	B5-GW	Water	06/27/16 13:39	06/28/16 09:20
490-106669-3	B7-GW	Water	06/27/16 14:19	06/28/16 09:20

Job ID: 490-106669-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-106669-1

Comments
No additional comments.

Receipt
The samples were received on 6/28/2016 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.2º C.

Receipt Exceptions
The trip blank was received with the samples, but it was not included on the chain-of-custody. The trip blank has been canceled based on the client's request. This affects the following sample: Trip Blank (490-106669-4).

GC/MS VOA
Method 8260B: The method blank for analytical batch 490-351993 contained 1,2,4-Trichlorobenzene, Hexachlorobutadiene, Toluene and n-Butylbenzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8260B: Surrogate recovery for the following sample was outside control limits: B1-GW (490-106669-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8260B: The following sample was collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: B1-GW (490-106669-1). Please note that analysis was performed within 7 days of collection, which is within the holdtime for unpreserved vial analysis by 8260. The sample was collected 6/27/2016 and was analyzed on 6/30/2016 and 7/1/2016.

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

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

Definitions/Glossary

Client: Environmental Consulting
Project/Site: 709 E. Capitol Drive, Milwaukee, WI

TestAmerica Job ID: 490-106669-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
B	Compound was found in the blank and sample.
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery is outside acceptance 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.
E	Result exceeded calibration range.

Glossary

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

Client: Environmental Consulting
Project/Site: 709 E. Capitol Drive, Milwaukee, WI

TestAmerica Job ID: 490-106669-1

Client Sample ID: B1-GW
Date Collected: 06/27/16 13:05
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106669-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.15	ug/L			06/30/16 14:33	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			06/30/16 14:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			06/30/16 14:33	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			06/30/16 14:33	1
1,1-Dichloroethane	**2.1**		1.0	0.24	ug/L			06/30/16 14:33	1
1,1-Dichloroethene	ND		1.0	0.25	ug/L			06/30/16 14:33	1
1,1-Dichloropropene	ND		1.0	0.20	ug/L			06/30/16 14:33	1
1,2,3-Trichlorobenzene	ND		1.0	0.23	ug/L			06/30/16 14:33	1
1,2,3-Trichloropropane	ND		1.0	0.23	ug/L			06/30/16 14:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.20	ug/L			06/30/16 14:33	1
1,2,4-Trimethylbenzene	**1200**		20	3.4	ug/L			07/01/16 02:11	20
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			06/30/16 14:33	1
1,2-Dibromoethane (EDB)	ND		1.0	0.21	ug/L			06/30/16 14:33	1
1,2-Dichlorobenzene	**0.75**	**J**	1.0	0.19	ug/L			06/30/16 14:33	1
1,2-Dichloroethane	ND		1.0	0.20	ug/L			06/30/16 14:33	1
1,2-Dichloropropane	**0.39**	**J**	1.0	0.25	ug/L			06/30/16 14:33	1
1,3,5-Trimethylbenzene	**310**		20	3.4	ug/L			07/01/16 02:11	20
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			06/30/16 14:33	1
1,3-Dichloropropane	ND		1.0	0.19	ug/L			06/30/16 14:33	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			06/30/16 14:33	1
2,2-Dichloropropane	ND		1.0	0.16	ug/L			06/30/16 14:33	1
2-Butanone (MEK)	ND		50	2.6	ug/L			06/30/16 14:33	1
2-Chlorotoluene	ND		1.0	0.18	ug/L			06/30/16 14:33	1
2-Hexanone	ND		10	1.3	ug/L			06/30/16 14:33	1
4-Chlorotoluene	ND		1.0	0.17	ug/L			06/30/16 14:33	1
4-Methyl-2-pentanone (MIBK)	**1.0**	**J**	10	0.81	ug/L			06/30/16 14:33	1
Acetone	**5.3**	**J**	25	2.7	ug/L			06/30/16 14:33	1
Benzene	**1.3**		1.0	0.20	ug/L			06/30/16 14:33	1
Bromobenzene	ND		1.0	0.21	ug/L			06/30/16 14:33	1
Bromochloromethane	ND		1.0	0.15	ug/L			06/30/16 14:33	1
Bromodichloromethane	ND		1.0	0.17	ug/L			06/30/16 14:33	1
Bromoform	ND		1.0	0.29	ug/L			06/30/16 14:33	1
Bromomethane	ND		1.0	0.35	ug/L			06/30/16 14:33	1
Carbon disulfide	**0.32**	**J**	1.0	0.22	ug/L			06/30/16 14:33	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			06/30/16 14:33	1
Chlorobenzene	ND		1.0	0.18	ug/L			06/30/16 14:33	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			06/30/16 14:33	1
Chloroethane	**44**		1.0	0.36	ug/L			06/30/16 14:33	1
Chloroform	ND		1.0	0.23	ug/L			06/30/16 14:33	1
Chloromethane	ND		1.0	0.36	ug/L			06/30/16 14:33	1
cis-1,2-Dichloroethene	**0.82**	**J**	1.0	0.21	ug/L			06/30/16 14:33	1
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			06/30/16 14:33	1
Dibromomethane	ND		1.0	0.45	ug/L			06/30/16 14:33	1
Dichlorodifluoromethane	ND		1.0	0.17	ug/L			06/30/16 14:33	1
Ethylbenzene	**13**		1.0	0.19	ug/L			06/30/16 14:33	1
Hexachlorobutadiene	ND		2.0	0.38	ug/L			06/30/16 14:33	1
Isopropylbenzene	**40**		1.0	0.33	ug/L			06/30/16 14:33	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			06/30/16 14:33	1
Methylene Chloride	ND		5.0	1.0	ug/L			06/30/16 14:33	1

Client: Environmental Consulting
Project/Site: 709 E. Capitol Drive, Milwaukee, WI

TestAmerica Job ID: 490-106669-1

Client Sample ID: B1-GW
Date Collected: 06/27/16 13:05
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106669-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**27**		5.0	0.21	ug/L			06/30/16 14:33	1
n-Butylbenzene	**74**	**B**	1.0	0.24	ug/L			06/30/16 14:33	1
N-Propylbenzene	**170**		20	3.4	ug/L			07/01/16 02:11	20
p-Isopropyltoluene	**86**		1.0	0.17	ug/L			06/30/16 14:33	1
sec-Butylbenzene	**88**		1.0	0.17	ug/L			06/30/16 14:33	1
Styrene	ND		1.0	0.28	ug/L			06/30/16 14:33	1
tert-Butylbenzene	**9.7**		1.0	0.17	ug/L			06/30/16 14:33	1
Tetrachloroethene	ND		1.0	0.14	ug/L			06/30/16 14:33	1
Toluene	**0.49**	**J B**	1.0	0.17	ug/L			06/30/16 14:33	1
trans-1,2-Dichloroethene	**0.52**	**J**	1.0	0.23	ug/L			06/30/16 14:33	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			06/30/16 14:33	1
Trichloroethene	**1.0**		1.0	0.20	ug/L			06/30/16 14:33	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			06/30/16 14:33	1
Vinyl chloride	**0.55**	**J**	1.0	0.18	ug/L			06/30/16 14:33	1
Xylenes, Total	**24**		3.0	0.58	ug/L			06/30/16 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*06/30/16 14:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 130*		*07/01/16 02:11*	*20*
4-Bromofluorobenzene (Surr)	*230*	*X*	*70 - 130*		*06/30/16 14:33*	*1*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*07/01/16 02:11*	*20*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*06/30/16 14:33*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*07/01/16 02:11*	*20*
Toluene-d8 (Surr)	*96*		*70 - 130*		*06/30/16 14:33*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*07/01/16 02:11*	*20*

Client Sample ID: B5-GW
Date Collected: 06/27/16 13:39
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106669-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.15	ug/L			06/30/16 15:03	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			06/30/16 15:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			06/30/16 15:03	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			06/30/16 15:03	1
1,1-Dichloroethane	ND		1.0	0.24	ug/L			06/30/16 15:03	1
1,1-Dichloroethene	ND		1.0	0.25	ug/L			06/30/16 15:03	1
1,1-Dichloropropene	ND		1.0	0.20	ug/L			06/30/16 15:03	1
1,2,3-Trichlorobenzene	ND		1.0	0.23	ug/L			06/30/16 15:03	1
1,2,3-Trichloropropane	ND		1.0	0.23	ug/L			06/30/16 15:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.20	ug/L			06/30/16 15:03	1
1,2,4-Trimethylbenzene	**120**		1.0	0.17	ug/L			06/30/16 15:03	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			06/30/16 15:03	1
1,2-Dibromoethane (EDB)	ND		1.0	0.21	ug/L			06/30/16 15:03	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			06/30/16 15:03	1
1,2-Dichloroethane	ND		1.0	0.20	ug/L			06/30/16 15:03	1
1,2-Dichloropropane	**0.25**	**J**	1.0	0.25	ug/L			06/30/16 15:03	1
1,3,5-Trimethylbenzene	**40**		1.0	0.17	ug/L			06/30/16 15:03	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			06/30/16 15:03	1
1,3-Dichloropropane	ND		1.0	0.19	ug/L			06/30/16 15:03	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			06/30/16 15:03	1
2,2-Dichloropropane	ND		1.0	0.16	ug/L			06/30/16 15:03	1
2-Butanone (MEK)	ND		50	2.6	ug/L			06/30/16 15:03	1
2-Chlorotoluene	ND		1.0	0.18	ug/L			06/30/16 15:03	1
2-Hexanone	ND		10	1.3	ug/L			06/30/16 15:03	1
4-Chlorotoluene	ND		1.0	0.17	ug/L			06/30/16 15:03	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.81	ug/L			06/30/16 15:03	1
Acetone	**9.1**	**J**	25	2.7	ug/L			06/30/16 15:03	1
Benzene	**0.48**	**J**	1.0	0.20	ug/L			06/30/16 15:03	1
Bromobenzene	ND		1.0	0.21	ug/L			06/30/16 15:03	1
Bromochloromethane	ND		1.0	0.15	ug/L			06/30/16 15:03	1
Bromodichloromethane	ND		1.0	0.17	ug/L			06/30/16 15:03	1
Bromoform	ND		1.0	0.29	ug/L			06/30/16 15:03	1
Bromomethane	ND		1.0	0.35	ug/L			06/30/16 15:03	1
Carbon disulfide	**0.37**	**J**	1.0	0.22	ug/L			06/30/16 15:03	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			06/30/16 15:03	1
Chlorobenzene	ND		1.0	0.18	ug/L			06/30/16 15:03	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			06/30/16 15:03	1
Chloroethane	ND		1.0	0.36	ug/L			06/30/16 15:03	1
Chloroform	ND		1.0	0.23	ug/L			06/30/16 15:03	1
Chloromethane	ND		1.0	0.36	ug/L			06/30/16 15:03	1
cis-1,2-Dichloroethene	ND		1.0	0.21	ug/L			06/30/16 15:03	1
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			06/30/16 15:03	1
Dibromomethane	ND		1.0	0.45	ug/L			06/30/16 15:03	1
Dichlorodifluoromethane	ND		1.0	0.17	ug/L			06/30/16 15:03	1
Ethylbenzene	**6.0**		1.0	0.19	ug/L			06/30/16 15:03	1
Hexachlorobutadiene	ND		2.0	0.38	ug/L			06/30/16 15:03	1
Isopropylbenzene	**14**		1.0	0.33	ug/L			06/30/16 15:03	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			06/30/16 15:03	1
Methylene Chloride	ND		5.0	1.0	ug/L			06/30/16 15:03	1

Client: Environmental Consulting
Project/Site: 709 E. Capitol Drive, Milwaukee, WI

TestAmerica Job ID: 490-106669-1

Client Sample ID: B5-GW
Date Collected: 06/27/16 13:39
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106669-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**20**		5.0	0.21	ug/L			06/30/16 15:03	1
n-Butylbenzene	**18**	**B**	1.0	0.24	ug/L			06/30/16 15:03	1
N-Propylbenzene	**22**		1.0	0.17	ug/L			06/30/16 15:03	1
p-Isopropyltoluene	**10**		1.0	0.17	ug/L			06/30/16 15:03	1
sec-Butylbenzene	**21**		1.0	0.17	ug/L			06/30/16 15:03	1
Styrene	ND		1.0	0.28	ug/L			06/30/16 15:03	1
tert-Butylbenzene	**2.6**		1.0	0.17	ug/L			06/30/16 15:03	1
Tetrachloroethene	ND		1.0	0.14	ug/L			06/30/16 15:03	1
Toluene	**0.87**	**J B**	1.0	0.17	ug/L			06/30/16 15:03	1
trans-1,2-Dichloroethene	ND		1.0	0.23	ug/L			06/30/16 15:03	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			06/30/16 15:03	1
Trichloroethene	ND		1.0	0.20	ug/L			06/30/16 15:03	1
Trichlorofluoromethane	**0.33**	**J**	1.0	0.21	ug/L			06/30/16 15:03	1
Vinyl chloride	ND		1.0	0.18	ug/L			06/30/16 15:03	1
Xylenes, Total	**7.7**		3.0	0.58	ug/L			06/30/16 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*06/30/16 15:03*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*06/30/16 15:03*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*06/30/16 15:03*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*06/30/16 15:03*	*1*

Client Sample ID: B7-GW
Date Collected: 06/27/16 14:19
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106669-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	F2	1.0	0.15	ug/L			06/30/16 14:03	1
1,1,1-Trichloroethane	ND	F2	1.0	0.19	ug/L			06/30/16 14:03	1
1,1,2,2-Tetrachloroethane	ND	F2 F1	1.0	0.19	ug/L			06/30/16 14:03	1
1,1,2-Trichloroethane	ND	F1	1.0	0.19	ug/L			06/30/16 14:03	1
1,1-Dichloroethane	ND		1.0	0.24	ug/L			06/30/16 14:03	1
1,1-Dichloroethene	ND		1.0	0.25	ug/L			06/30/16 14:03	1
1,1-Dichloropropene	ND		1.0	0.20	ug/L			06/30/16 14:03	1
1,2,3-Trichlorobenzene	ND		1.0	0.23	ug/L			06/30/16 14:03	1
1,2,3-Trichloropropane	ND	F1	1.0	0.23	ug/L			06/30/16 14:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.20	ug/L			06/30/16 14:03	1
1,2,4-Trimethylbenzene	**140**	**F2**	1.0	0.17	ug/L			06/30/16 14:03	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			06/30/16 14:03	1
1,2-Dibromoethane (EDB)	ND		1.0	0.21	ug/L			06/30/16 14:03	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			06/30/16 14:03	1
1,2-Dichloroethane	ND		1.0	0.20	ug/L			06/30/16 14:03	1
1,2-Dichloropropane	**25**	**F2 F1**	1.0	0.25	ug/L			06/30/16 14:03	1
1,3,5-Trimethylbenzene	**36**	**F2 F1**	1.0	0.17	ug/L			06/30/16 14:03	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			06/30/16 14:03	1
1,3-Dichloropropane	ND	F2	1.0	0.19	ug/L			06/30/16 14:03	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			06/30/16 14:03	1
2,2-Dichloropropane	ND		1.0	0.16	ug/L			06/30/16 14:03	1
2-Butanone (MEK)	ND	F1	50	2.6	ug/L			06/30/16 14:03	1
2-Chlorotoluene	ND		1.0	0.18	ug/L			06/30/16 14:03	1
2-Hexanone	ND	F1	10	1.3	ug/L			06/30/16 14:03	1
4-Chlorotoluene	ND		1.0	0.17	ug/L			06/30/16 14:03	1
4-Methyl-2-pentanone (MIBK)	ND	F1	10	0.81	ug/L			06/30/16 14:03	1
Acetone	**8.4**	**J**	25	2.7	ug/L			06/30/16 14:03	1
Benzene	**0.29**	**J**	1.0	0.20	ug/L			06/30/16 14:03	1
Bromobenzene	ND		1.0	0.21	ug/L			06/30/16 14:03	1
Bromochloromethane	ND		1.0	0.15	ug/L			06/30/16 14:03	1
Bromodichloromethane	ND		1.0	0.17	ug/L			06/30/16 14:03	1
Bromoform	ND		1.0	0.29	ug/L			06/30/16 14:03	1
Bromomethane	ND		1.0	0.35	ug/L			06/30/16 14:03	1
Carbon disulfide	**0.33**	**J**	1.0	0.22	ug/L			06/30/16 14:03	1
Carbon tetrachloride	ND	F2	1.0	0.18	ug/L			06/30/16 14:03	1
Chlorobenzene	ND	F2	1.0	0.18	ug/L			06/30/16 14:03	1
Chlorodibromomethane	ND	F2	1.0	0.25	ug/L			06/30/16 14:03	1
Chloroethane	ND		1.0	0.36	ug/L			06/30/16 14:03	1
Chloroform	ND		1.0	0.23	ug/L			06/30/16 14:03	1
Chloromethane	ND		1.0	0.36	ug/L			06/30/16 14:03	1
cis-1,2-Dichloroethene	**3.0**	**F1**	1.0	0.21	ug/L			06/30/16 14:03	1
cis-1,3-Dichloropropene	ND	F2	1.0	0.17	ug/L			06/30/16 14:03	1
Dibromomethane	ND	F1	1.0	0.45	ug/L			06/30/16 14:03	1
Dichlorodifluoromethane	ND		1.0	0.17	ug/L			06/30/16 14:03	1
Ethylbenzene	**4.8**	**F2 F1**	1.0	0.19	ug/L			06/30/16 14:03	1
Hexachlorobutadiene	**0.38**	**J B**	2.0	0.38	ug/L			06/30/16 14:03	1
Isopropylbenzene	**10**	**F2 F1**	1.0	0.33	ug/L			06/30/16 14:03	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			06/30/16 14:03	1
Methylene Chloride	ND	F1	5.0	1.0	ug/L			06/30/16 14:03	1

Client: Environmental Consulting
Project/Site: 709 E. Capitol Drive, Milwaukee, WI

TestAmerica Job ID: 490-106669-1

Client Sample ID: B7-GW
Date Collected: 06/27/16 14:19
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106669-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**6.3**	**F1**	5.0	0.21	ug/L			06/30/16 14:03	1
n-Butylbenzene	**12**	**F2 B**	1.0	0.24	ug/L			06/30/16 14:03	1
N-Propylbenzene	**23**	**F2 F1**	1.0	0.17	ug/L			06/30/16 14:03	1
p-Isopropyltoluene	**11**	**F2 F1**	1.0	0.17	ug/L			06/30/16 14:03	1
sec-Butylbenzene	**18**	**F1**	1.0	0.17	ug/L			06/30/16 14:03	1
Styrene	ND		1.0	0.28	ug/L			06/30/16 14:03	1
tert-Butylbenzene	**1.4**		1.0	0.17	ug/L			06/30/16 14:03	1
Tetrachloroethene	**0.27**	**J**	1.0	0.14	ug/L			06/30/16 14:03	1
Toluene	**0.44**	**J B**	1.0	0.17	ug/L			06/30/16 14:03	1
trans-1,2-Dichloroethene	**0.46**	**J**	1.0	0.23	ug/L			06/30/16 14:03	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			06/30/16 14:03	1
Trichloroethene	ND		1.0	0.20	ug/L			06/30/16 14:03	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			06/30/16 14:03	1
Vinyl chloride	ND		1.0	0.18	ug/L			06/30/16 14:03	1
Xylenes, Total	**1.7**	**J**	3.0	0.58	ug/L			06/30/16 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*06/30/16 14:03*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*06/30/16 14:03*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*06/30/16 14:03*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*06/30/16 14:03*	*1*

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

Lab Sample ID: MB 490-351993/6
Matrix: Water
Analysis Batch: 351993

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.15	ug/L			06/30/16 13:02	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			06/30/16 13:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			06/30/16 13:02	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			06/30/16 13:02	1
1,1-Dichloroethane	ND		1.0	0.24	ug/L			06/30/16 13:02	1
1,1-Dichloroethene	ND		1.0	0.25	ug/L			06/30/16 13:02	1
1,1-Dichloropropene	ND		1.0	0.20	ug/L			06/30/16 13:02	1
1,2,3-Trichlorobenzene	ND		1.0	0.23	ug/L			06/30/16 13:02	1
1,2,3-Trichloropropane	ND		1.0	0.23	ug/L			06/30/16 13:02	1
1,2,4-Trichlorobenzene	0.231	J	1.0	0.20	ug/L			06/30/16 13:02	1
1,2,4-Trimethylbenzene	ND		1.0	0.17	ug/L			06/30/16 13:02	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			06/30/16 13:02	1
1,2-Dibromoethane (EDB)	ND		1.0	0.21	ug/L			06/30/16 13:02	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			06/30/16 13:02	1
1,2-Dichloroethane	ND		1.0	0.20	ug/L			06/30/16 13:02	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			06/30/16 13:02	1
1,3,5-Trimethylbenzene	ND		1.0	0.17	ug/L			06/30/16 13:02	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			06/30/16 13:02	1
1,3-Dichloropropane	ND		1.0	0.19	ug/L			06/30/16 13:02	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			06/30/16 13:02	1
2,2-Dichloropropane	ND		1.0	0.16	ug/L			06/30/16 13:02	1
2-Butanone (MEK)	ND		50	2.6	ug/L			06/30/16 13:02	1
2-Chlorotoluene	ND		1.0	0.18	ug/L			06/30/16 13:02	1
2-Hexanone	ND		10	1.3	ug/L			06/30/16 13:02	1
4-Chlorotoluene	ND		1.0	0.17	ug/L			06/30/16 13:02	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.81	ug/L			06/30/16 13:02	1
Acetone	ND		25	2.7	ug/L			06/30/16 13:02	1
Benzene	ND		1.0	0.20	ug/L			06/30/16 13:02	1
Bromobenzene	ND		1.0	0.21	ug/L			06/30/16 13:02	1
Bromochloromethane	ND		1.0	0.15	ug/L			06/30/16 13:02	1
Bromodichloromethane	ND		1.0	0.17	ug/L			06/30/16 13:02	1
Bromoform	ND		1.0	0.29	ug/L			06/30/16 13:02	1
Bromomethane	ND		1.0	0.35	ug/L			06/30/16 13:02	1
Carbon disulfide	ND		1.0	0.22	ug/L			06/30/16 13:02	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			06/30/16 13:02	1
Chlorobenzene	ND		1.0	0.18	ug/L			06/30/16 13:02	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			06/30/16 13:02	1
Chloroethane	ND		1.0	0.36	ug/L			06/30/16 13:02	1
Chloroform	ND		1.0	0.23	ug/L			06/30/16 13:02	1
Chloromethane	ND		1.0	0.36	ug/L			06/30/16 13:02	1
cis-1,2-Dichloroethene	ND		1.0	0.21	ug/L			06/30/16 13:02	1
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			06/30/16 13:02	1
Dibromomethane	ND		1.0	0.45	ug/L			06/30/16 13:02	1
Dichlorodifluoromethane	ND		1.0	0.17	ug/L			06/30/16 13:02	1
Ethylbenzene	ND		1.0	0.19	ug/L			06/30/16 13:02	1
Hexachlorobutadiene	0.668	J	2.0	0.38	ug/L			06/30/16 13:02	1
Isopropylbenzene	ND		1.0	0.33	ug/L			06/30/16 13:02	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			06/30/16 13:02	1

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

Lab Sample ID: MB 490-351993/6
Matrix: Water
Analysis Batch: 351993

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.0	1.0	ug/L			06/30/16 13:02	1
Naphthalene	ND		5.0	0.21	ug/L			06/30/16 13:02	1
n-Butylbenzene	0.250	J	1.0	0.24	ug/L			06/30/16 13:02	1
N-Propylbenzene	ND		1.0	0.17	ug/L			06/30/16 13:02	1
p-Isopropyltoluene	ND		1.0	0.17	ug/L			06/30/16 13:02	1
sec-Butylbenzene	ND		1.0	0.17	ug/L			06/30/16 13:02	1
Styrene	ND		1.0	0.28	ug/L			06/30/16 13:02	1
tert-Butylbenzene	ND		1.0	0.17	ug/L			06/30/16 13:02	1
Tetrachloroethene	ND		1.0	0.14	ug/L			06/30/16 13:02	1
Toluene	0.208	J	1.0	0.17	ug/L			06/30/16 13:02	1
trans-1,2-Dichloroethene	ND		1.0	0.23	ug/L			06/30/16 13:02	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			06/30/16 13:02	1
Trichloroethene	ND		1.0	0.20	ug/L			06/30/16 13:02	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			06/30/16 13:02	1
Vinyl chloride	ND		1.0	0.18	ug/L			06/30/16 13:02	1
Xylenes, Total	ND		3.0	0.58	ug/L			06/30/16 13:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*06/30/16 13:02*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*06/30/16 13:02*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*06/30/16 13:02*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*06/30/16 13:02*	*1*

Lab Sample ID: LCS 490-351993/3
Matrix: Water
Analysis Batch: 351993

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	20.0	18.1		ug/L		91	70 - 130
1,1,1-Trichloroethane	20.0	20.2		ug/L		101	70 - 135
1,1,2,2-Tetrachloroethane	20.0	19.2		ug/L		96	69 - 131
1,1,2-Trichloroethane	20.0	19.6		ug/L		98	70 - 130
1,1-Dichloroethane	20.0	20.9		ug/L		104	70 - 130
1,1-Dichloroethene	20.0	20.7		ug/L		104	70 - 132
1,1-Dichloropropene	20.0	20.8		ug/L		104	70 - 130
1,2,3-Trichlorobenzene	20.0	19.0		ug/L		95	46 - 150
1,2,3-Trichloropropane	20.0	18.6		ug/L		93	70 - 131
1,2,4-Trichlorobenzene	20.0	19.3		ug/L		96	58 - 147
1,2,4-Trimethylbenzene	20.0	19.8		ug/L		99	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	16.2		ug/L		81	45 - 138
1,2-Dibromoethane (EDB)	20.0	19.4		ug/L		97	70 - 130
1,2-Dichlorobenzene	20.0	18.8		ug/L		94	70 - 130
1,2-Dichloroethane	20.0	19.7		ug/L		98	70 - 130
1,2-Dichloropropane	20.0	20.3		ug/L		102	70 - 130
1,3,5-Trimethylbenzene	20.0	18.6		ug/L		93	70 - 130
1,3-Dichlorobenzene	20.0	18.5		ug/L		92	70 - 130
1,3-Dichloropropane	20.0	19.6		ug/L		98	70 - 130
1,4-Dichlorobenzene	20.0	18.8		ug/L		94	70 - 130

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

Lab Sample ID: LCS 490-351993/3
Matrix: Water
Analysis Batch: 351993

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	20.0	19.3		ug/L		97	60 - 143
2-Butanone (MEK)	100	113		ug/L		113	55 - 143
2-Chlorotoluene	20.0	17.8		ug/L		89	70 - 130
2-Hexanone	100	101		ug/L		101	54 - 142
4-Chlorotoluene	20.0	18.4		ug/L		92	70 - 130
4-Methyl-2-pentanone (MIBK)	100	96.3		ug/L		96	60 - 137
Acetone	100	119		ug/L		119	39 - 150
Benzene	20.0	21.7		ug/L		108	70 - 130
Bromobenzene	20.0	17.9		ug/L		90	70 - 130
Bromochloromethane	20.0	20.2		ug/L		101	70 - 130
Bromodichloromethane	20.0	18.5		ug/L		93	70 - 130
Bromoform	20.0	15.6		ug/L		78	70 - 137
Bromomethane	20.0	18.4		ug/L		92	53 - 150
Carbon disulfide	20.0	20.9		ug/L		104	64 - 135
Carbon tetrachloride	20.0	19.7		ug/L		99	70 - 147
Chlorobenzene	20.0	19.0		ug/L		95	70 - 130
Chlorodibromomethane	20.0	16.8		ug/L		84	70 - 133
Chloroethane	20.0	22.1		ug/L		110	60 - 138
Chloroform	20.0	21.1		ug/L		106	70 - 130
Chloromethane	20.0	21.0		ug/L		105	33 - 150
cis-1,2-Dichloroethene	20.0	20.0		ug/L		100	70 - 130
cis-1,3-Dichloropropene	20.0	19.5		ug/L		98	70 - 133
Dibromomethane	20.0	21.1		ug/L		105	70 - 130
Dichlorodifluoromethane	20.0	22.3		ug/L		111	48 - 150
Ethylbenzene	20.0	18.1		ug/L		90	70 - 130
Hexachlorobutadiene	20.0	19.7		ug/L		98	70 - 138
Isopropylbenzene	20.0	17.4		ug/L		87	70 - 131
Methyl tert-butyl ether	20.0	20.1		ug/L		100	70 - 130
Methylene Chloride	20.0	21.4		ug/L		107	70 - 130
Naphthalene	20.0	18.1		ug/L		90	54 - 150
n-Butylbenzene	20.0	17.4		ug/L		87	68 - 137
N-Propylbenzene	20.0	17.2		ug/L		86	70 - 134
p-Isopropyltoluene	20.0	18.2		ug/L		91	66 - 130
sec-Butylbenzene	20.0	18.6		ug/L		93	70 - 135
Styrene	20.0	19.5		ug/L		97	70 - 130
tert-Butylbenzene	20.0	18.6		ug/L		93	70 - 130
Tetrachloroethene	20.0	18.7		ug/L		94	70 - 130
Toluene	20.0	19.0		ug/L		95	70 - 130
trans-1,2-Dichloroethene	20.0	20.5		ug/L		102	70 - 130
trans-1,3-Dichloropropene	20.0	17.7		ug/L		88	63 - 142
Trichloroethene	20.0	21.4		ug/L		107	70 - 130
Trichlorofluoromethane	20.0	21.8		ug/L		109	59 - 150
Vinyl chloride	20.0	21.7		ug/L		109	57 - 137
Xylenes, Total	40.0	39.0		ug/L		98	70 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*

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

Lab Sample ID: LCS 490-351993/3
Matrix: Water
Analysis Batch: 351993

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	*105*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 490-351993/4
Matrix: Water
Analysis Batch: 351993

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			20.0	17.7		ug/L		88	70 - 130	3	13
1,1,1-Trichloroethane			20.0	20.4		ug/L		102	70 - 135	1	15
1,1,2,2-Tetrachloroethane			20.0	19.6		ug/L		98	69 - 131	2	15
1,1,2-Trichloroethane			20.0	20.4		ug/L		102	70 - 130	4	13
1,1-Dichloroethane			20.0	20.7		ug/L		103	70 - 130	1	17
1,1-Dichloroethene			20.0	19.8		ug/L		99	70 - 132	4	20
1,1-Dichloropropene			20.0	21.3		ug/L		107	70 - 130	2	16
1,2,3-Trichlorobenzene			20.0	20.4		ug/L		102	46 - 150	7	16
1,2,3-Trichloropropane			20.0	19.0		ug/L		95	70 - 131	2	14
1,2,4-Trichlorobenzene			20.0	20.0		ug/L		100	58 - 147	4	15
1,2,4-Trimethylbenzene			20.0	19.4		ug/L		97	70 - 130	2	13
1,2-Dibromo-3-Chloropropane			20.0	16.8		ug/L		84	45 - 138	3	19
1,2-Dibromoethane (EDB)			20.0	20.0		ug/L		100	70 - 130	3	13
1,2-Dichlorobenzene			20.0	18.9		ug/L		94	70 - 130	0	12
1,2-Dichloroethane			20.0	20.4		ug/L		102	70 - 130	3	13
1,2-Dichloropropane			20.0	20.6		ug/L		103	70 - 130	1	15
1,3,5-Trimethylbenzene			20.0	18.6		ug/L		93	70 - 130	0	14
1,3-Dichlorobenzene			20.0	18.5		ug/L		92	70 - 130	0	13
1,3-Dichloropropane			20.0	19.8		ug/L		99	70 - 130	1	12
1,4-Dichlorobenzene			20.0	18.8		ug/L		94	70 - 130	0	12
2,2-Dichloropropane			20.0	19.6		ug/L		98	60 - 143	2	20
2-Butanone (MEK)			100	123		ug/L		123	55 - 143	8	19
2-Chlorotoluene			20.0	17.6		ug/L		88	70 - 130	2	15
2-Hexanone			100	105		ug/L		105	54 - 142	3	17
4-Chlorotoluene			20.0	18.4		ug/L		92	70 - 130	0	15
4-Methyl-2-pentanone (MIBK)			100	101		ug/L		101	60 - 137	5	21
Acetone			100	115		ug/L		115	39 - 150	3	23
Benzene			20.0	22.3		ug/L		111	70 - 130	3	12
Bromobenzene			20.0	18.2		ug/L		91	70 - 130	1	16
Bromochloromethane			20.0	20.9		ug/L		104	70 - 130	3	16
Bromodichloromethane			20.0	18.2		ug/L		91	70 - 130	2	14
Bromoform			20.0	15.8		ug/L		79	70 - 137	1	14
Bromomethane			20.0	19.5		ug/L		98	53 - 150	6	19
Carbon disulfide			20.0	21.0		ug/L		105	64 - 135	1	16
Carbon tetrachloride			20.0	19.3		ug/L		97	70 - 147	2	16
Chlorobenzene			20.0	18.8		ug/L		94	70 - 130	1	12
Chlorodibromomethane			20.0	16.7		ug/L		83	70 - 133	1	13
Chloroethane			20.0	21.4		ug/L		107	60 - 138	3	15
Chloroform			20.0	21.5		ug/L		107	70 - 130	2	14
Chloromethane			20.0	21.1		ug/L		106	33 - 150	1	20

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

Lab Sample ID: LCSD 490-351993/4
Matrix: Water
Analysis Batch: 351993

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene			20.0	20.4		ug/L		102	70 - 130	2	15
cis-1,3-Dichloropropene			20.0	18.9		ug/L		95	70 - 133	3	15
Dibromomethane			20.0	21.7		ug/L		108	70 - 130	3	14
Dichlorodifluoromethane			20.0	22.1		ug/L		110	48 - 150	1	16
Ethylbenzene			20.0	17.9		ug/L		90	70 - 130	1	12
Hexachlorobutadiene			20.0	20.1		ug/L		100	70 - 138	2	16
Isopropylbenzene			20.0	17.2		ug/L		86	70 - 131	2	13
Methyl tert-butyl ether			20.0	20.9		ug/L		104	70 - 130	4	16
Methylene Chloride			20.0	21.8		ug/L		109	70 - 130	2	15
Naphthalene			20.0	19.5		ug/L		98	54 - 150	8	15
n-Butylbenzene			20.0	17.5		ug/L		88	68 - 137	0	14
N-Propylbenzene			20.0	16.9		ug/L		84	70 - 134	2	14
p-Isopropyltoluene			20.0	18.1		ug/L		91	66 - 130	1	13
sec-Butylbenzene			20.0	18.3		ug/L		92	70 - 135	2	14
Styrene			20.0	19.3		ug/L		96	70 - 130	1	12
tert-Butylbenzene			20.0	18.4		ug/L		92	70 - 130	1	14
Tetrachloroethene			20.0	18.2		ug/L		91	70 - 130	3	17
Toluene			20.0	18.7		ug/L		93	70 - 130	2	13
trans-1,2-Dichloroethene			20.0	20.1		ug/L		101	70 - 130	2	15
trans-1,3-Dichloropropene			20.0	17.4		ug/L		87	63 - 142	2	13
Trichloroethene			20.0	20.9		ug/L		105	70 - 130	2	14
Trichlorofluoromethane			20.0	21.6		ug/L		108	59 - 150	1	22
Vinyl chloride			20.0	21.2		ug/L		106	57 - 137	2	15
Xylenes, Total			40.0	38.5		ug/L		96	70 - 132	1	11

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
Dibromofluoromethane (Surr)	*106*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: 490-106669-3 MS
Matrix: Water
Analysis Batch: 351993

Client Sample ID: B7-GW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND	F2	20.0	21.3		ug/L		107	70 - 131
1,1,1-Trichloroethane	ND	F2	20.0	25.2		ug/L		126	68 - 144
1,1,2,2-Tetrachloroethane	ND	F2 F1	20.0	38.8	F1	ug/L		194	56 - 145
1,1,2-Trichloroethane	ND	F1	20.0	27.6	F1	ug/L		138	70 - 130
1,1-Dichloroethane	ND		20.0	25.9		ug/L		130	61 - 139
1,1-Dichloroethene	ND		20.0	25.6		ug/L		128	54 - 150
1,1-Dichloropropene	ND		20.0	25.2		ug/L		126	54 - 150
1,2,3-Trichlorobenzene	ND		20.0	20.5		ug/L		102	36 - 150
1,2,3-Trichloropropane	ND	F1	20.0	31.8	F1	ug/L		159	65 - 131
1,2,4-Trichlorobenzene	ND		20.0	19.6		ug/L		98	47 - 147
1,2,4-Trimethylbenzene	140	F2	20.0	171	4	ug/L		157	64 - 136
1,2-Dibromo-3-Chloropropane	ND		20.0	21.2		ug/L		106	38 - 138

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

Lab Sample ID: 490-106669-3 MS
Matrix: Water
Analysis Batch: 351993

Client Sample ID: B7-GW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane (EDB)	ND		20.0	25.2		ug/L		126	65 - 137
1,2-Dichlorobenzene	ND		20.0	20.5		ug/L		103	70 - 130
1,2-Dichloroethane	ND		20.0	25.7		ug/L		129	64 - 136
1,2-Dichloropropane	25	F2 F1	20.0	48.8		ug/L		120	67 - 130
1,3,5-Trimethylbenzene	36	F2 F1	20.0	59.8		ug/L		118	69 - 139
1,3-Dichlorobenzene	ND		20.0	19.1		ug/L		96	68 - 131
1,3-Dichloropropane	ND	F2	20.0	25.2		ug/L		126	70 - 130
1,4-Dichlorobenzene	ND		20.0	19.3		ug/L		96	70 - 130
2,2-Dichloropropane	ND		20.0	23.3		ug/L		117	50 - 146
2-Butanone (MEK)	ND	F1	100	154	F1	ug/L		154	50 - 143
2-Chlorotoluene	ND		20.0	22.2		ug/L		111	67 - 138
2-Hexanone	ND	F1	100	155	F1	ug/L		155	44 - 150
4-Chlorotoluene	ND		20.0	23.0		ug/L		115	69 - 138
4-Methyl-2-pentanone (MIBK)	ND	F1	100	149	F1	ug/L		149	50 - 140
Acetone	8.4	J	100	150		ug/L		142	39 - 150
Benzene	0.29	J	20.0	27.3		ug/L		135	55 - 147
Bromobenzene	ND		20.0	21.4		ug/L		107	60 - 133
Bromochloromethane	ND		20.0	26.3		ug/L		131	59 - 132
Bromodichloromethane	ND		20.0	22.5		ug/L		113	70 - 140
Bromoform	ND		20.0	19.1		ug/L		95	53 - 150
Bromomethane	ND		20.0	22.0		ug/L		110	30 - 150
Carbon disulfide	0.33	J	20.0	24.7		ug/L		122	35 - 150
Carbon tetrachloride	ND	F2	20.0	23.4		ug/L		117	56 - 150
Chlorobenzene	ND	F2	20.0	21.8		ug/L		109	70 - 130
Chlorodibromomethane	ND	F2	20.0	20.7		ug/L		103	66 - 140
Chloroethane	ND		20.0	27.2		ug/L		136	58 - 141
Chloroform	ND		20.0	26.6		ug/L		133	66 - 138
Chloromethane	ND		20.0	27.3		ug/L		137	10 - 150
cis-1,2-Dichloroethene	3.0	F1	20.0	28.1		ug/L		126	68 - 131
cis-1,3-Dichloropropene	ND	F2	20.0	23.6		ug/L		118	70 - 133
Dibromomethane	ND	F1	20.0	26.9	F1	ug/L		134	70 - 130
Dichlorodifluoromethane	ND		20.0	25.9		ug/L		129	10 - 150
Ethylbenzene	4.8	F2 F1	20.0	25.7		ug/L		105	65 - 139
Hexachlorobutadiene	0.38	J B	20.0	18.2		ug/L		91	61 - 141
Isopropylbenzene	10	F2 F1	20.0	30.7		ug/L		103	70 - 137
Methyl tert-butyl ether	ND		20.0	27.9		ug/L		139	55 - 141
Methylene Chloride	ND	F1	20.0	26.4	F1	ug/L		132	64 - 130
Naphthalene	6.3	F1	20.0	29.8		ug/L		118	32 - 150
n-Butylbenzene	12	F2 B	20.0	30.0		ug/L		90	61 - 141
N-Propylbenzene	23	F2 F1	20.0	44.0		ug/L		107	53 - 150
p-Isopropyltoluene	11	F2 F1	20.0	30.8		ug/L		99	66 - 137
sec-Butylbenzene	18	F1	20.0	39.4		ug/L		107	55 - 136
Styrene	ND		20.0	22.0		ug/L		110	70 - 130
tert-Butylbenzene	1.4		20.0	21.0		ug/L		98	70 - 138
Tetrachloroethene	0.27	J	20.0	19.8		ug/L		98	57 - 138
Toluene	0.44	J B	20.0	22.6		ug/L		111	64 - 136
trans-1,2-Dichloroethene	0.46	J	20.0	24.3		ug/L		119	59 - 143
trans-1,3-Dichloropropene	ND		20.0	21.4		ug/L		107	63 - 142

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

Lab Sample ID: 490-106669-3 MS
Matrix: Water
Analysis Batch: 351993

Client Sample ID: B7-GW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	ND		20.0	24.8		ug/L		124	63 - 135
Trichlorofluoromethane	ND		20.0	26.6		ug/L		133	44 - 150
Vinyl chloride	ND		20.0	26.1		ug/L		131	57 - 150
Xylenes, Total	1.7	J	40.0	45.1		ug/L		109	69 - 132

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
Dibromofluoromethane (Surr)	*105*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*

Lab Sample ID: 490-106669-3 MSD
Matrix: Water
Analysis Batch: 351993

Client Sample ID: B7-GW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND	F2	20.0	17.8	F2	ug/L		89	70 - 131	18	16
1,1,1-Trichloroethane	ND	F2	20.0	20.8	F2	ug/L		104	68 - 144	19	17
1,1,2,2-Tetrachloroethane	ND	F2 F1	20.0	67.0	F1 F2	ug/L		335	56 - 145	53	19
1,1,2-Trichloroethane	ND	F1	20.0	23.8		ug/L		119	70 - 130	15	18
1,1-Dichloroethane	ND		20.0	21.5		ug/L		108	61 - 139	19	23
1,1-Dichloroethene	ND		20.0	21.0		ug/L		105	54 - 150	20	24
1,1-Dichloropropene	ND		20.0	21.2		ug/L		106	54 - 150	17	24
1,2,3-Trichlorobenzene	ND		20.0	18.9		ug/L		94	36 - 150	8	43
1,2,3-Trichloropropane	ND	F1	20.0	27.0	F1	ug/L		135	65 - 131	16	19
1,2,4-Trichlorobenzene	ND		20.0	17.8		ug/L		89	47 - 147	10	24
1,2,4-Trimethylbenzene	140	F2	20.0	259	E 4 F2	ug/L		597	64 - 136	41	18
1,2-Dibromo-3-Chloropropane	ND		20.0	16.3		ug/L		81	38 - 138	26	26
1,2-Dibromoethane (EDB)	ND		20.0	20.5		ug/L		102	65 - 137	20	21
1,2-Dichlorobenzene	ND		20.0	17.7		ug/L		89	70 - 130	14	15
1,2-Dichloroethane	ND		20.0	21.0		ug/L		105	64 - 136	20	22
1,2-Dichloropropane	25	F2 F1	20.0	114	F1 F2	ug/L		446	67 - 130	80	19
1,3,5-Trimethylbenzene	36	F2 F1	20.0	103	F1 F2	ug/L		336	69 - 139	53	17
1,3-Dichlorobenzene	ND		20.0	16.9		ug/L		85	68 - 131	12	14
1,3-Dichloropropane	ND	F2	20.0	20.7	F2	ug/L		104	70 - 130	19	17
1,4-Dichlorobenzene	ND		20.0	17.0		ug/L		85	70 - 130	12	14
2,2-Dichloropropane	ND		20.0	19.1		ug/L		96	50 - 146	20	20
2-Butanone (MEK)	ND	F1	100	131		ug/L		131	50 - 143	16	28
2-Chlorotoluene	ND		20.0	23.6		ug/L		118	67 - 138	6	17
2-Hexanone	ND	F1	100	133		ug/L		133	44 - 150	15	21
4-Chlorotoluene	ND		20.0	24.4		ug/L		122	69 - 138	6	15
4-Methyl-2-pentanone (MIBK)	ND	F1	100	128		ug/L		128	50 - 140	15	24
Acetone	8.4	J	100	130		ug/L		121	39 - 150	15	28
Benzene	0.29	J	20.0	23.3		ug/L		115	55 - 147	16	22
Bromobenzene	ND		20.0	19.2		ug/L		96	60 - 133	11	18
Bromochloromethane	ND		20.0	21.5		ug/L		107	59 - 132	20	21
Bromodichloromethane	ND		20.0	18.3		ug/L		91	70 - 140	21	196
Bromoform	ND		20.0	15.6		ug/L		78	53 - 150	20	20

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

Lab Sample ID: 490-106669-3 MSD
Matrix: Water
Analysis Batch: 351993

Client Sample ID: B7-GW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromomethane	ND		20.0	19.1		ug/L		96	30 - 150	14	44
Carbon disulfide	0.33	J	20.0	20.4		ug/L		101	35 - 150	19	34
Carbon tetrachloride	ND	F2	20.0	19.1	F2	ug/L		95	56 - 150	20	18
Chlorobenzene	ND	F2	20.0	18.6	F2	ug/L		93	70 - 130	16	15
Chlorodibromomethane	ND	F2	20.0	16.7	F2	ug/L		83	66 - 140	21	19
Chloroethane	ND		20.0	22.0		ug/L		110	58 - 141	21	31
Chloroform	ND		20.0	22.0		ug/L		110	66 - 138	19	21
Chloromethane	ND		20.0	20.6		ug/L		103	10 - 150	28	43
cis-1,2-Dichloroethene	3.0	F1	20.0	31.3	F1	ug/L		141	68 - 131	11	21
cis-1,3-Dichloropropene	ND	F2	20.0	19.4	F2	ug/L		97	70 - 133	20	19
Dibromomethane	ND	F1	20.0	22.2		ug/L		111	70 - 130	19	19
Dichlorodifluoromethane	ND		20.0	21.2		ug/L		106	10 - 150	20	50
Ethylbenzene	4.8	F2 F1	20.0	34.1	F1 F2	ug/L		147	65 - 139	28	18
Hexachlorobutadiene	0.38	J B	20.0	17.0		ug/L		85	61 - 141	7	26
Isopropylbenzene	10	F2 F1	20.0	46.5	F1 F2	ug/L		181	70 - 137	41	17
Methyl tert-butyl ether	ND		20.0	23.0		ug/L		115	55 - 141	19	24
Methylene Chloride	ND	F1	20.0	22.2		ug/L		111	64 - 130	17	22
Naphthalene	6.3	F1	20.0	37.8	F1	ug/L		157	32 - 150	23	40
n-Butylbenzene	12	F2 B	20.0	39.0	F2	ug/L		135	61 - 141	26	17
N-Propylbenzene	23	F2 F1	20.0	74.6	F1 F2	ug/L		260	53 - 150	51	18
p-Isopropyltoluene	11	F2 F1	20.0	38.7	F1 F2	ug/L		138	66 - 137	23	16
sec-Butylbenzene	18	F1	20.0	53.6	F1	ug/L		178	55 - 136	31	50
Styrene	ND		20.0	18.8		ug/L		94	70 - 130	16	16
tert-Butylbenzene	1.4		20.0	20.4		ug/L		95	70 - 138	3	17
Tetrachloroethene	0.27	J	20.0	17.8		ug/L		88	57 - 138	11	17
Toluene	0.44	J B	20.0	19.2		ug/L		94	64 - 136	16	18
trans-1,2-Dichloroethene	0.46	J	20.0	20.5		ug/L		100	59 - 143	17	25
trans-1,3-Dichloropropene	ND		20.0	18.0		ug/L		90	63 - 142	17	18
Trichloroethene	ND		20.0	21.5		ug/L		107	63 - 135	15	17
Trichlorofluoromethane	ND		20.0	22.3		ug/L		112	44 - 150	18	32
Vinyl chloride	ND		20.0	21.7		ug/L		108	57 - 150	19	37
Xylenes, Total	1.7	J	40.0	42.8		ug/L		103	69 - 132	5	17

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*

Lab Sample ID: MB 490-352140/6
Matrix: Water
Analysis Batch: 352140

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.15	ug/L			06/30/16 23:50	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			06/30/16 23:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			06/30/16 23:50	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			06/30/16 23:50	1

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

Lab Sample ID: MB 490-352140/6
Matrix: Water
Analysis Batch: 352140

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.0	0.24	ug/L			06/30/16 23:50	1
1,1-Dichloroethene	ND		1.0	0.25	ug/L			06/30/16 23:50	1
1,1-Dichloropropene	ND		1.0	0.20	ug/L			06/30/16 23:50	1
1,2,3-Trichlorobenzene	1.79		1.0	0.23	ug/L			06/30/16 23:50	1
1,2,3-Trichloropropane	ND		1.0	0.23	ug/L			06/30/16 23:50	1
1,2,4-Trichlorobenzene	0.735	J	1.0	0.20	ug/L			06/30/16 23:50	1
1,2,4-Trimethylbenzene	ND		1.0	0.17	ug/L			06/30/16 23:50	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			06/30/16 23:50	1
1,2-Dibromoethane (EDB)	ND		1.0	0.21	ug/L			06/30/16 23:50	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			06/30/16 23:50	1
1,2-Dichloroethane	ND		1.0	0.20	ug/L			06/30/16 23:50	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			06/30/16 23:50	1
1,3,5-Trimethylbenzene	ND		1.0	0.17	ug/L			06/30/16 23:50	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			06/30/16 23:50	1
1,3-Dichloropropane	ND		1.0	0.19	ug/L			06/30/16 23:50	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			06/30/16 23:50	1
2,2-Dichloropropane	ND		1.0	0.16	ug/L			06/30/16 23:50	1
2-Butanone (MEK)	ND		50	2.6	ug/L			06/30/16 23:50	1
2-Chlorotoluene	ND		1.0	0.18	ug/L			06/30/16 23:50	1
2-Hexanone	ND		10	1.3	ug/L			06/30/16 23:50	1
4-Chlorotoluene	ND		1.0	0.17	ug/L			06/30/16 23:50	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.81	ug/L			06/30/16 23:50	1
Acetone	ND		25	2.7	ug/L			06/30/16 23:50	1
Benzene	ND		1.0	0.20	ug/L			06/30/16 23:50	1
Bromobenzene	ND		1.0	0.21	ug/L			06/30/16 23:50	1
Bromochloromethane	ND		1.0	0.15	ug/L			06/30/16 23:50	1
Bromodichloromethane	ND		1.0	0.17	ug/L			06/30/16 23:50	1
Bromoform	ND		1.0	0.29	ug/L			06/30/16 23:50	1
Bromomethane	ND		1.0	0.35	ug/L			06/30/16 23:50	1
Carbon disulfide	0.290	J	1.0	0.22	ug/L			06/30/16 23:50	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			06/30/16 23:50	1
Chlorobenzene	ND		1.0	0.18	ug/L			06/30/16 23:50	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			06/30/16 23:50	1
Chloroethane	ND		1.0	0.36	ug/L			06/30/16 23:50	1
Chloroform	ND		1.0	0.23	ug/L			06/30/16 23:50	1
Chloromethane	ND		1.0	0.36	ug/L			06/30/16 23:50	1
cis-1,2-Dichloroethene	ND		1.0	0.21	ug/L			06/30/16 23:50	1
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			06/30/16 23:50	1
Dibromomethane	ND		1.0	0.45	ug/L			06/30/16 23:50	1
Dichlorodifluoromethane	ND		1.0	0.17	ug/L			06/30/16 23:50	1
Ethylbenzene	ND		1.0	0.19	ug/L			06/30/16 23:50	1
Hexachlorobutadiene	0.870	J	2.0	0.38	ug/L			06/30/16 23:50	1
Isopropylbenzene	ND		1.0	0.33	ug/L			06/30/16 23:50	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			06/30/16 23:50	1
Methylene Chloride	ND		5.0	1.0	ug/L			06/30/16 23:50	1
Naphthalene	1.52	J	5.0	0.21	ug/L			06/30/16 23:50	1
n-Butylbenzene	ND		1.0	0.24	ug/L			06/30/16 23:50	1
N-Propylbenzene	ND		1.0	0.17	ug/L			06/30/16 23:50	1

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

Lab Sample ID: MB 490-352140/6
Matrix: Water
Analysis Batch: 352140

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.17	ug/L			06/30/16 23:50	1
sec-Butylbenzene	ND		1.0	0.17	ug/L			06/30/16 23:50	1
Styrene	ND		1.0	0.28	ug/L			06/30/16 23:50	1
tert-Butylbenzene	ND		1.0	0.17	ug/L			06/30/16 23:50	1
Tetrachloroethene	ND		1.0	0.14	ug/L			06/30/16 23:50	1
Toluene	ND		1.0	0.17	ug/L			06/30/16 23:50	1
trans-1,2-Dichloroethene	ND		1.0	0.23	ug/L			06/30/16 23:50	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			06/30/16 23:50	1
Trichloroethene	ND		1.0	0.20	ug/L			06/30/16 23:50	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			06/30/16 23:50	1
Vinyl chloride	ND		1.0	0.18	ug/L			06/30/16 23:50	1
Xylenes, Total	ND		3.0	0.58	ug/L			06/30/16 23:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 130*		*06/30/16 23:50*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*06/30/16 23:50*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*06/30/16 23:50*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*06/30/16 23:50*	*1*

Lab Sample ID: LCS 490-352140/3
Matrix: Water
Analysis Batch: 352140

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	20.0	20.3		ug/L		102	70 - 130
1,1,1-Trichloroethane	20.0	22.3		ug/L		111	70 - 135
1,1,2,2-Tetrachloroethane	20.0	20.8		ug/L		104	69 - 131
1,1,2-Trichloroethane	20.0	21.8		ug/L		109	70 - 130
1,1-Dichloroethane	20.0	22.8		ug/L		114	70 - 130
1,1-Dichloroethene	20.0	24.0		ug/L		120	70 - 132
1,1-Dichloropropene	20.0	23.4		ug/L		117	70 - 130
1,2,3-Trichlorobenzene	20.0	22.7		ug/L		113	46 - 150
1,2,3-Trichloropropane	20.0	19.8		ug/L		99	70 - 131
1,2,4-Trichlorobenzene	20.0	21.5		ug/L		107	58 - 147
1,2,4-Trimethylbenzene	20.0	20.4		ug/L		102	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	17.3		ug/L		86	45 - 138
1,2-Dibromoethane (EDB)	20.0	21.7		ug/L		109	70 - 130
1,2-Dichlorobenzene	20.0	21.3		ug/L		106	70 - 130
1,2-Dichloroethane	20.0	21.6		ug/L		108	70 - 130
1,2-Dichloropropane	20.0	22.8		ug/L		114	70 - 130
1,3,5-Trimethylbenzene	20.0	20.7		ug/L		104	70 - 130
1,3-Dichlorobenzene	20.0	20.9		ug/L		104	70 - 130
1,3-Dichloropropane	20.0	21.6		ug/L		108	70 - 130
1,4-Dichlorobenzene	20.0	21.4		ug/L		107	70 - 130
2,2-Dichloropropane	20.0	23.0		ug/L		115	60 - 143
2-Butanone (MEK)	100	110		ug/L		110	55 - 143
2-Chlorotoluene	20.0	20.5		ug/L		102	70 - 130
2-Hexanone	100	98.0		ug/L		98	54 - 142

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

Lab Sample ID: LCS 490-352140/3
Matrix: Water
Analysis Batch: 352140

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	20.0	20.6		ug/L		103	70 - 130
4-Methyl-2-pentanone (MIBK)	100	101		ug/L		101	60 - 137
Acetone	100	107		ug/L		107	39 - 150
Benzene	20.0	24.1		ug/L		120	70 - 130
Bromobenzene	20.0	20.2		ug/L		101	70 - 130
Bromochloromethane	20.0	23.5		ug/L		117	70 - 130
Bromodichloromethane	20.0	22.2		ug/L		111	70 - 130
Bromoform	20.0	17.7		ug/L		88	70 - 137
Bromomethane	20.0	26.5		ug/L		132	53 - 150
Carbon disulfide	20.0	21.7		ug/L		108	64 - 135
Carbon tetrachloride	20.0	21.2		ug/L		106	70 - 147
Chlorobenzene	20.0	22.7		ug/L		114	70 - 130
Chlorodibromomethane	20.0	19.3		ug/L		96	70 - 133
Chloroethane	20.0	22.2		ug/L		111	60 - 138
Chloroform	20.0	23.1		ug/L		116	70 - 130
Chloromethane	20.0	22.4		ug/L		112	33 - 150
cis-1,2-Dichloroethene	20.0	22.8		ug/L		114	70 - 130
cis-1,3-Dichloropropene	20.0	20.6		ug/L		103	70 - 133
Dibromomethane	20.0	22.4		ug/L		112	70 - 130
Dichlorodifluoromethane	20.0	19.5		ug/L		98	48 - 150
Ethylbenzene	20.0	22.2		ug/L		111	70 - 130
Hexachlorobutadiene	20.0	21.8		ug/L		109	70 - 138
Isopropylbenzene	20.0	21.8		ug/L		109	70 - 131
Methyl tert-butyl ether	20.0	21.8		ug/L		109	70 - 130
Methylene Chloride	20.0	23.7		ug/L		119	70 - 130
Naphthalene	20.0	21.7		ug/L		108	54 - 150
n-Butylbenzene	20.0	19.5		ug/L		97	68 - 137
N-Propylbenzene	20.0	20.5		ug/L		103	70 - 134
p-Isopropyltoluene	20.0	19.9		ug/L		99	66 - 130
sec-Butylbenzene	20.0	19.8		ug/L		99	70 - 135
Styrene	20.0	22.1		ug/L		111	70 - 130
tert-Butylbenzene	20.0	19.5		ug/L		98	70 - 130
Tetrachloroethene	20.0	22.1		ug/L		111	70 - 130
Toluene	20.0	22.9		ug/L		114	70 - 130
trans-1,2-Dichloroethene	20.0	23.3		ug/L		116	70 - 130
trans-1,3-Dichloropropene	20.0	19.2		ug/L		96	63 - 142
Trichloroethene	20.0	23.8		ug/L		119	70 - 130
Trichlorofluoromethane	20.0	20.7		ug/L		104	59 - 150
Vinyl chloride	20.0	23.0		ug/L		115	57 - 137
Xylenes, Total	40.0	43.4		ug/L		109	70 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
Dibromofluoromethane (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*

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

Lab Sample ID: LCSD 490-352140/4
Matrix: Water
Analysis Batch: 352140

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	20.0	20.3		ug/L		102	70 - 130	0	13
1,1,1-Trichloroethane	20.0	22.3		ug/L		111	70 - 135	0	15
1,1,2,2-Tetrachloroethane	20.0	21.4		ug/L		107	69 - 131	2	15
1,1,2-Trichloroethane	20.0	22.2		ug/L		111	70 - 130	2	13
1,1-Dichloroethane	20.0	23.1		ug/L		115	70 - 130	1	17
1,1-Dichloroethene	20.0	23.9		ug/L		120	70 - 132	0	20
1,1-Dichloropropene	20.0	23.5		ug/L		117	70 - 130	0	16
1,2,3-Trichlorobenzene	20.0	23.6		ug/L		118	46 - 150	4	16
1,2,3-Trichloropropane	20.0	20.0		ug/L		100	70 - 131	1	14
1,2,4-Trichlorobenzene	20.0	21.7		ug/L		109	58 - 147	1	15
1,2,4-Trimethylbenzene	20.0	20.6		ug/L		103	70 - 130	1	13
1,2-Dibromo-3-Chloropropane	20.0	18.0		ug/L		90	45 - 138	4	19
1,2-Dibromoethane (EDB)	20.0	21.9		ug/L		110	70 - 130	1	13
1,2-Dichlorobenzene	20.0	21.1		ug/L		105	70 - 130	1	12
1,2-Dichloroethane	20.0	21.6		ug/L		108	70 - 130	0	13
1,2-Dichloropropane	20.0	22.4		ug/L		112	70 - 130	2	15
1,3,5-Trimethylbenzene	20.0	20.9		ug/L		105	70 - 130	1	14
1,3-Dichlorobenzene	20.0	21.0		ug/L		105	70 - 130	1	13
1,3-Dichloropropane	20.0	21.8		ug/L		109	70 - 130	1	12
1,4-Dichlorobenzene	20.0	21.1		ug/L		106	70 - 130	1	12
2,2-Dichloropropane	20.0	22.9		ug/L		115	60 - 143	0	20
2-Butanone (MEK)	100	111		ug/L		111	55 - 143	1	19
2-Chlorotoluene	20.0	20.5		ug/L		102	70 - 130	0	15
2-Hexanone	100	102		ug/L		102	54 - 142	4	17
4-Chlorotoluene	20.0	20.8		ug/L		104	70 - 130	1	15
4-Methyl-2-pentanone (MIBK)	100	105		ug/L		105	60 - 137	4	21
Acetone	100	109		ug/L		109	39 - 150	2	23
Benzene	20.0	24.2		ug/L		121	70 - 130	0	12
Bromobenzene	20.0	21.1		ug/L		105	70 - 130	4	16
Bromochloromethane	20.0	21.5		ug/L		108	70 - 130	9	16
Bromodichloromethane	20.0	21.8		ug/L		109	70 - 130	2	14
Bromoform	20.0	18.1		ug/L		91	70 - 137	3	14
Carbon disulfide	20.0	22.2		ug/L		111	64 - 135	2	16
Carbon tetrachloride	20.0	20.8		ug/L		104	70 - 147	2	16
Chlorobenzene	20.0	22.4		ug/L		112	70 - 130	1	12
Chlorodibromomethane	20.0	19.3		ug/L		97	70 - 133	0	13
Chloroethane	20.0	21.5		ug/L		108	60 - 138	3	15
Chloroform	20.0	22.9		ug/L		114	70 - 130	1	14
cis-1,2-Dichloroethene	20.0	22.8		ug/L		114	70 - 130	0	15
cis-1,3-Dichloropropene	20.0	21.0		ug/L		105	70 - 133	2	15
Dibromomethane	20.0	22.6		ug/L		113	70 - 130	0	14
Dichlorodifluoromethane	20.0	19.1		ug/L		96	48 - 150	2	16
Ethylbenzene	20.0	22.1		ug/L		111	70 - 130	0	12
Hexachlorobutadiene	20.0	22.9		ug/L		115	70 - 138	5	16
Isopropylbenzene	20.0	21.8		ug/L		109	70 - 131	0	13
Methyl tert-butyl ether	20.0	22.2		ug/L		111	70 - 130	2	16
Methylene Chloride	20.0	23.3		ug/L		116	70 - 130	2	15
Naphthalene	20.0	23.1		ug/L		116	54 - 150	7	15

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

Lab Sample ID: LCSD 490-352140/4
Matrix: Water
Analysis Batch: 352140

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
n-Butylbenzene			20.0	19.2		ug/L		96	68 - 137	1	14
N-Propylbenzene			20.0	20.7		ug/L		103	70 - 134	1	14
p-Isopropyltoluene			20.0	19.9		ug/L		99	66 - 130	0	13
sec-Butylbenzene			20.0	20.0		ug/L		100	70 - 135	1	14
Styrene			20.0	21.7		ug/L		108	70 - 130	2	12
tert-Butylbenzene			20.0	20.0		ug/L		100	70 - 130	2	14
Tetrachloroethene			20.0	21.8		ug/L		109	70 - 130	1	17
Toluene			20.0	22.7		ug/L		113	70 - 130	1	13
trans-1,2-Dichloroethene			20.0	23.0		ug/L		115	70 - 130	1	15
trans-1,3-Dichloropropene			20.0	19.0		ug/L		95	63 - 142	1	13
Trichloroethene			20.0	23.3		ug/L		117	70 - 130	2	14
Trichlorofluoromethane			20.0	20.5		ug/L		103	59 - 150	1	22
Vinyl chloride			20.0	22.6		ug/L		113	57 - 137	2	15
Xylenes, Total			40.0	43.5		ug/L		109	70 - 132	0	11

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 130*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
Dibromofluoromethane (Surr)	*99*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*

Lab Sample ID: 490-106755-D-1 MS
Matrix: Water
Analysis Batch: 352140

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND	F1 F2	8.00	7.85		ug/L		98	70 - 131
1,1,1-Trichloroethane	ND	F1 F2	8.00	9.13		ug/L		114	68 - 144
1,1,2,2-Tetrachloroethane	ND	F1 F2	8.00	9.35		ug/L		117	56 - 145
1,1,2-Trichloroethane	ND	F1 F2	8.00	8.95		ug/L		112	70 - 130
1,1-Dichloroethane	ND	F1 F2	8.00	9.00		ug/L		112	61 - 139
1,1-Dichloroethene	ND	F1 F2	8.00	10.1		ug/L		127	54 - 150
1,1-Dichloropropene	ND	F1 F2	8.00	9.87		ug/L		123	54 - 150
1,2,3-Trichlorobenzene	ND		8.00	11.9		ug/L		148	36 - 150
1,2,3-Trichloropropane	ND	F1 F2	8.00	8.75		ug/L		109	65 - 131
1,2,4-Trichlorobenzene	ND		8.00	9.61		ug/L		120	47 - 147
1,2,4-Trimethylbenzene	ND	F1 F2	8.00	8.98		ug/L		112	64 - 136
1,2-Dibromo-3-Chloropropane	ND		8.00	7.80	J	ug/L		97	38 - 138
1,2-Dibromoethane (EDB)	ND	F1 F2	8.00	8.71		ug/L		109	65 - 137
1,2-Dichlorobenzene	ND	F1 F2	8.00	8.68		ug/L		109	70 - 130
1,2-Dichloroethane	ND	F1 F2	8.00	8.53		ug/L		107	64 - 136
1,2-Dichloropropane	ND	F1 F2	8.00	9.02		ug/L		113	67 - 130
1,3,5-Trimethylbenzene	ND	F1 F2	8.00	8.98		ug/L		112	69 - 139
1,3-Dichlorobenzene	ND	F1 F2	8.00	8.89		ug/L		111	68 - 131
1,3-Dichloropropane	ND	F1 F2	8.00	8.66		ug/L		108	70 - 130
1,4-Dichlorobenzene	ND	F1 F2	8.00	8.74		ug/L		109	70 - 130
2,2-Dichloropropane	ND	F1 F2	8.00	10.3		ug/L		128	50 - 146
2-Butanone (MEK)	ND	F1 F2	40.0	48.0	J	ug/L		120	50 - 143

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

Lab Sample ID: 490-106755-D-1 MS
Matrix: Water
Analysis Batch: 352140

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chlorotoluene	ND	F1 F2	8.00	8.77		ug/L		110	67 - 138
2-Hexanone	ND	F2	40.0	42.4		ug/L		106	44 - 150
4-Chlorotoluene	ND	F1 F2	8.00	9.45		ug/L		118	69 - 138
4-Methyl-2-pentanone (MIBK)	ND	F1 F2	40.0	42.0		ug/L		105	50 - 140
Acetone	8.0	J F1 F2	40.0	48.9		ug/L		102	39 - 150
Benzene	ND	F1 F2	8.00	9.93		ug/L		124	55 - 147
Bromobenzene	ND	F1 F2	8.00	9.34		ug/L		117	60 - 133
Bromochloromethane	ND	F1 F2	8.00	8.96		ug/L		112	59 - 132
Bromodichloromethane	ND	F1	8.00	8.93		ug/L		112	70 - 140
Bromoform	ND	F2	8.00	6.71		ug/L		84	53 - 150
Bromomethane	ND	* F1	8.00	11.8		ug/L		148	30 - 150
Carbon disulfide	0.37	J B F1	8.00	10.9		ug/L		131	35 - 150
Carbon tetrachloride	ND	F1 F2	8.00	8.71		ug/L		109	56 - 150
Chlorobenzene	ND	F1 F2	8.00	9.11		ug/L		114	70 - 130
Chlorodibromomethane	ND	F2	8.00	7.46		ug/L		93	66 - 140
Chloroethane	ND	F1	8.00	9.50		ug/L		119	58 - 141
Chloroform	0.66	J F1 F2	8.00	10.1		ug/L		118	66 - 138
Chloromethane	ND	*	8.00	9.94		ug/L		124	10 - 150
cis-1,2-Dichloroethene	ND	F1 F2	8.00	9.02		ug/L		113	68 - 131
cis-1,3-Dichloropropene	ND	F1 F2	8.00	8.39		ug/L		105	70 - 133
Dibromomethane	ND	F1 F2	8.00	8.87		ug/L		111	70 - 130
Dichlorodifluoromethane	ND		8.00	7.46		ug/L		93	10 - 150
Ethylbenzene	ND	F1 F2	8.00	9.62		ug/L		120	65 - 139
Hexachlorobutadiene	ND		8.00	10.8		ug/L		135	61 - 141
Isopropylbenzene	ND	F1 F2	8.00	9.16		ug/L		115	70 - 137
Methyl tert-butyl ether	1.4	F1 F2	8.00	10.5		ug/L		113	55 - 141
Methylene Chloride	ND	F1 F2	8.00	9.59		ug/L		120	64 - 130
Naphthalene	27	B F1	8.00	12.5	F1	ug/L		-180	32 - 150
n-Butylbenzene	ND	F1 F2	8.00	9.17		ug/L		115	61 - 141
N-Propylbenzene	ND	F1 F2	8.00	9.58		ug/L		120	53 - 150
p-Isopropyltoluene	ND	F1 F2	8.00	8.99		ug/L		112	66 - 137
sec-Butylbenzene	ND	F1	8.00	9.16		ug/L		114	55 - 136
Styrene	ND	F1 F2	8.00	8.97		ug/L		112	70 - 130
tert-Butylbenzene	ND	F1 F2	8.00	8.85		ug/L		111	70 - 138
Tetrachloroethene	ND	F1 F2	8.00	8.70		ug/L		109	57 - 138
Toluene	ND	F1 F2	8.00	9.60		ug/L		120	64 - 136
trans-1,2-Dichloroethene	ND	F1 F2	8.00	9.67		ug/L		121	59 - 143
trans-1,3-Dichloropropene	ND	F2	8.00	7.75		ug/L		97	63 - 142
Trichloroethene	ND	F1 F2	8.00	9.66		ug/L		121	63 - 135
Trichlorofluoromethane	ND	F1 F2	8.00	8.78		ug/L		110	44 - 150
Vinyl chloride	ND	F1	8.00	10.2		ug/L		127	57 - 150
Xylenes, Total	ND	F1 F2	16.0	18.7		ug/L		117	69 - 132

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 130*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*

Lab Sample ID: 490-106755-E-1 MSD
Matrix: Water
Analysis Batch: 352140

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND	F1 F2	8.00	11.2	F1 F2	ug/L		140	70 - 131	35	16
1,1,1-Trichloroethane	ND	F1 F2	8.00	13.4	F1 F2	ug/L		167	68 - 144	38	17
1,1,2,2-Tetrachloroethane	ND	F1 F2	8.00	12.9	F1 F2	ug/L		161	56 - 145	32	19
1,1,2-Trichloroethane	ND	F1 F2	8.00	12.7	F1 F2	ug/L		159	70 - 130	35	18
1,1-Dichloroethane	ND	F1 F2	8.00	13.0	F1 F2	ug/L		163	61 - 139	36	23
1,1-Dichloroethene	ND	F1 F2	8.00	14.8	F1 F2	ug/L		184	54 - 150	37	24
1,1-Dichloropropene	ND	F1 F2	8.00	13.7	F1 F2	ug/L		171	54 - 150	33	24
1,2,3-Trichlorobenzene	ND		8.00	11.9		ug/L		149	36 - 150	1	43
1,2,3-Trichloropropane	ND	F1 F2	8.00	11.8	F1 F2	ug/L		148	65 - 131	30	19
1,2,4-Trichlorobenzene	ND		8.00	11.0		ug/L		138	47 - 147	14	24
1,2,4-Trimethylbenzene	ND	F1 F2	8.00	12.4	F1 F2	ug/L		154	64 - 136	32	18
1,2-Dibromo-3-Chloropropane	ND		8.00	10.1		ug/L		126	38 - 138	26	26
1,2-Dibromoethane (EDB)	ND	F1 F2	8.00	12.4	F1 F2	ug/L		155	65 - 137	35	21
1,2-Dichlorobenzene	ND	F1 F2	8.00	11.8	F1 F2	ug/L		148	70 - 130	31	15
1,2-Dichloroethane	ND	F1 F2	8.00	12.0	F1 F2	ug/L		150	64 - 136	34	22
1,2-Dichloropropane	ND	F1 F2	8.00	12.7	F1 F2	ug/L		159	67 - 130	34	19
1,3,5-Trimethylbenzene	ND	F1 F2	8.00	12.2	F1 F2	ug/L		152	69 - 139	30	17
1,3-Dichlorobenzene	ND	F1 F2	8.00	11.9	F1 F2	ug/L		149	68 - 131	29	14
1,3-Dichloropropane	ND	F1 F2	8.00	12.2	F1 F2	ug/L		152	70 - 130	34	17
1,4-Dichlorobenzene	ND	F1 F2	8.00	11.8	F1 F2	ug/L		148	70 - 130	30	14
2,2-Dichloropropane	ND	F1 F2	8.00	14.4	F1 F2	ug/L		180	50 - 146	33	20
2-Butanone (MEK)	ND	F1 F2	40.0	65.1	F1 F2	ug/L		163	50 - 143	30	28
2-Chlorotoluene	ND	F1 F2	8.00	11.8	F1 F2	ug/L		148	67 - 138	30	17
2-Hexanone	ND	F2	40.0	59.4	F2	ug/L		148	44 - 150	33	21
4-Chlorotoluene	ND	F1 F2	8.00	13.0	F1 F2	ug/L		163	69 - 138	32	15
4-Methyl-2-pentanone (MIBK)	ND	F1 F2	40.0	60.6	F1 F2	ug/L		152	50 - 140	36	24
Acetone	8.0	J F1 F2	40.0	76.7	F1 F2	ug/L		172	39 - 150	44	28
Benzene	ND	F1 F2	8.00	14.3	F1 F2	ug/L		179	55 - 147	36	22
Bromobenzene	ND	F1 F2	8.00	12.9	F1 F2	ug/L		161	60 - 133	32	18
Bromochloromethane	ND	F1 F2	8.00	12.0	F1 F2	ug/L		149	59 - 132	29	21
Bromodichloromethane	ND	F1	8.00	12.7	F1	ug/L		159	70 - 140	35	196
Bromoform	ND	F2	8.00	9.55	F2	ug/L		119	53 - 150	35	20
Bromomethane	ND	* F1	8.00	13.0	F1	ug/L		163	30 - 150	10	44
Carbon disulfide	0.37	J B F1	8.00	15.1	F1	ug/L		184	35 - 150	33	34
Carbon tetrachloride	ND	F1 F2	8.00	12.1	F1 F2	ug/L		152	56 - 150	33	18
Chlorobenzene	ND	F1 F2	8.00	12.8	F1 F2	ug/L		160	70 - 130	34	15
Chlorodibromomethane	ND	F2	8.00	10.8	F2	ug/L		135	66 - 140	37	19
Chloroethane	ND	F1	8.00	13.0	F1	ug/L		163	58 - 141	31	31
Chloroform	0.66	J F1 F2	8.00	13.8	F1 F2	ug/L		164	66 - 138	31	21
Chloromethane	ND	*	8.00	10.7		ug/L		134	10 - 150	7	43
cis-1,2-Dichloroethene	ND	F1 F2	8.00	13.2	F1 F2	ug/L		165	68 - 131	38	21
cis-1,3-Dichloropropene	ND	F1 F2	8.00	12.0	F1 F2	ug/L		150	70 - 133	35	19
Dibromomethane	ND	F1 F2	8.00	12.4	F1 F2	ug/L		155	70 - 130	33	19
Dichlorodifluoromethane	ND		8.00	11.7		ug/L		146	10 - 150	44	50
Ethylbenzene	ND	F1 F2	8.00	13.4	F1 F2	ug/L		167	65 - 139	33	18
Hexachlorobutadiene	ND		8.00	10.2		ug/L		127	61 - 141	6	26
Isopropylbenzene	ND	F1 F2	8.00	12.9	F1 F2	ug/L		162	70 - 137	34	17
Methyl tert-butyl ether	1.4	F1 F2	8.00	14.3	F1 F2	ug/L		161	55 - 141	31	24
Methylene Chloride	ND	F1 F2	8.00	13.2	F1 F2	ug/L		165	64 - 130	32	22
Naphthalene	27	B F1	8.00	13.1	F1	ug/L		-172	32 - 150	5	40

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

Lab Sample ID: 490-106755-E-1 MSD
Matrix: Water
Analysis Batch: 352140

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
n-Butylbenzene	ND	F1 F2	8.00	11.7	F1 F2	ug/L		147	61 - 141	24	17
N-Propylbenzene	ND	F1 F2	8.00	13.0	F1 F2	ug/L		162	53 - 150	30	18
p-Isopropyltoluene	ND	F1 F2	8.00	11.6	F1 F2	ug/L		145	66 - 137	26	16
sec-Butylbenzene	ND	F1	8.00	11.8	F1	ug/L		148	55 - 136	26	50
Styrene	ND	F1 F2	8.00	12.7	F1 F2	ug/L		159	70 - 130	35	16
tert-Butylbenzene	ND	F1 F2	8.00	11.8	F1 F2	ug/L		147	70 - 138	28	17
Tetrachloroethene	ND	F1 F2	8.00	12.0	F1 F2	ug/L		150	57 - 138	32	17
Toluene	ND	F1 F2	8.00	13.6	F1 F2	ug/L		170	64 - 136	34	18
trans-1,2-Dichloroethene	ND	F1 F2	8.00	13.5	F1 F2	ug/L		169	59 - 143	33	25
trans-1,3-Dichloropropene	ND	F2	8.00	11.0	F2	ug/L		137	63 - 142	35	18
Trichloroethene	ND	F1 F2	8.00	13.4	F1 F2	ug/L		168	63 - 135	32	17
Trichlorofluoromethane	ND	F1 F2	8.00	12.6	F1 F2	ug/L		157	44 - 150	36	32
Vinyl chloride	ND	F1	8.00	13.9	F1	ug/L		174	57 - 150	31	37
Xylenes, Total	ND	F1 F2	16.0	25.7	F1 F2	ug/L		161	69 - 132	32	17

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
Dibromofluoromethane (Surr)	*96*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*

QC Association Summary

Client: Environmental Consulting
Project/Site: 709 E. Capitol Drive, Milwaukee, WI

TestAmerica Job ID: 490-106669-1

GC/MS VOA

Analysis Batch: 351993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-106669-1	B1-GW	Total/NA	Water	8260B	
490-106669-2	B5-GW	Total/NA	Water	8260B	
490-106669-3	B7-GW	Total/NA	Water	8260B	
490-106669-3 MS	B7-GW	Total/NA	Water	8260B	
490-106669-3 MSD	B7-GW	Total/NA	Water	8260B	
LCS 490-351993/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-351993/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-351993/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 352140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-106669-1	B1-GW	Total/NA	Water	8260B	
490-106755-D-1 MS	Matrix Spike	Total/NA	Water	8260B	
490-106755-E-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 490-352140/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-352140/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-352140/6	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: Environmental Consulting
Project/Site: 709 E. Capitol Drive, Milwaukee, WI

TestAmerica Job ID: 490-106669-1

Client Sample ID: B1-GW
Date Collected: 06/27/16 13:05
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106669-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	10 mL	10 mL	352140	07/01/16 02:11	AK1	TAL NSH
Total/NA	Analysis	8260B		1	10 mL	10 mL	351993	06/30/16 14:33	AK1	TAL NSH

Client Sample ID: B5-GW
Date Collected: 06/27/16 13:39
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106669-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	351993	06/30/16 15:03	AK1	TAL NSH

Client Sample ID: B7-GW
Date Collected: 06/27/16 14:19
Date Received: 06/28/16 09:20

Lab Sample ID: 490-106669-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	351993	06/30/16 14:03	AK1	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Environmental Consulting
Project/Site: 709 E. Capitol Drive, Milwaukee, WI

TestAmerica Job ID: 490-106669-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH

Protocol References:

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

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Environmental Consulting
Project/Site: 709 E. Capitol Drive, Milwaukee, WI

TestAmerica Job ID: 490-106669-1

Laboratory: TestAmerica Nashville

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	998020430	08-31-16

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

490-106669 Chain of Custody

Cooler Received/Opened On 6/28/2016 @ 0920

Time Samples Removed From Cooler_____ Time Samples Placed In Storage_____ (2 Hour Window)

1. Tracking # 4334 (last 4 digits, FedEx) Courier: _FedEx_

IR Gun ID 17610176 pH Strip Lot HC564992 Chlorine Strip Lot 012516A

2. Temperature of rep. sample or temp blank when opened: 1.2 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? (YES)..NO...NA

If yes, how many and where: 2 Front

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? (YES)..NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES (NO) and Intact YES...NO..(NA)

Were these signed and dated correctly? YES...NO..(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)..NO...NA

12. Did all container labels and tags agree with custody papers? (YES)..NO...NA

13a. Were VOA vials received? (YES)..NO...NA

b. Was there any observable headspace present in any VOA vial? YES..(NO)..NA

14. Was there a Trip Blank in this cooler? (YES)..NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) DA

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..(NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES)..NO...NA

16. Was residual chlorine present? YES...NO...(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) DA

17. Were custody papers properly filled out (ink, signed, etc)? (YES)..NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)..NO...NA

19. Were correct containers used for the analysis requested? (YES)..NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) DA

I certify that I attached a label with the unique LIMS number to each container (intial) DA

21. Were there Non-Conformance issues at login? YES...(NO) Was a NCM generated? YES..(NO)..#_____

BIS = Broken in shipment

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-3404

Chain of Custody Record

Loc: 490
106669

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

7/5/2016

Client Information	Sampler: Richard S. Werner	Lab PM: Meidhof, Marie A	C	COC No: 490-54615-17742.2
Client Contact: Mr. Richard Werner	Phone: 610-279-7070	E-Mail: marie.meidhof@testamericainc.com		Page: Page ~~2~~ 1 of 1
Company: Environmental Consulting				Job #: 2016.110
Address: 2002 Renaissance Boulevard Suite 110	Due Date Requested:			
City: King of Prussia	TAT Requested (days): Normal 5-day TAT			
State, Zip: PA, 19406				
Phone: 610-476-5141(Tel)	PO #: ~~Purchase Order Requested~~ 2016.110			
Email: rwerner@eciconsulting.net	WO #:			
Project Name: ~~Milwaukee WI~~ 709 E. Capitol Drive	Project #: 49010859			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Moisture - Percent Moisture/Solids	8260B - Standard 8260 List (TCL VOCs)	1,2,4 - TMB	1,3,5 - TMB	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A	A	A		
B1-GW	6/27/16	1305	G	W ~~Solid~~				X	X	X	3	3-40ml VOA vials
B5-GW	6/27/16	1339	G	W ~~Solid~~				X	X	X	3	↓
B7-GW	6/27/16	1419	G	W ~~Solid~~				X	X	X	3	
				Solid								
				Solid								
				Water								
				Water								
				Water								
				Water								

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify) Results only

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	6/27/16 @ 1615	ECI		6-28-16 0920	TAN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 1.2

Login Sample Receipt Checklist

Client: Environmental Consulting

Job Number: 490-106669-1

Login Number: 106669
List Number: 1
Creator: Armstrong, Daniel

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.2C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	