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*The Trusted Integrator for Sustainable Solutions*

REMOVAL SUPPORT TEAM 3  
EPA CONTRACT EP-S2-14-01

June 11, 2019

Mr. David Rosoff, On-Scene Coordinator  
U.S. Environmental Protection Agency, Region II  
Removal Action Branch  
2890 Woodbridge Avenue  
Edison, NJ 08837

**EPA CONTRACT No: EP-S2-14-01**  
**TDD No: TO-0370-0083**  
**DC No.: RST3-05-F-0097**  
**SUBJECT: REMOVAL ASSESSMENT SAMPLING REPORT**  
**RESIDENTIAL TAP WATER SAMPLING EVENT**  
**ROUTE 203 SITE**  
**NASSAU, RENSSELAER COUNTY, NEW YORK**

Dear Mr. Rosoff,

Enclosed please find the Removal Assessment Sampling Report which summarizes the tap water sampling activities conducted by the U.S. Environmental Agency (EPA) with the support of Weston Solutions, Inc., Removal Support Team 3 (RST 3) at the Route 203 Site (the Site) located in Nassau, Rensselaer County, New York. The sampling event was conducted from March 18 through 21, 2019. The U.S. Environmental Protection Agency comments in regards to the draft version of this deliverable (Document Control Number RST3-05-D-0180) have been incorporated.

If you have any questions or comments, please contact me at (908) 565-2974.

Sincerely,

WESTON SOLUTIONS, INC.

Michael Lang  
RST 3 Site Project Manager

Enclosure  
cc: TDD File: TO-0370-0083

*an employee-owned company*



In association with Scientific and Environmental Associates, Inc.,  
Environmental Compliance Consultants, Inc., Avatar Environmental, LLC,  
On-Site Environmental, Inc., and Sovereign Consulting, Inc.

# **REMOVAL ASSESSMENT SAMPLING REPORT RESIDENTIAL TAP WATER SAMPLING EVENT**

## **ROUTE 203 SITE**

Nassau, Rensselaer County, New York

SSID No: A28L  
EPA ID No: NYN000203244

DC No: RST3-05-F-0097  
TDD No: TO-0370-0083  
EPA Contract No: EP-S2-14-01

Prepared for:

U.S. Environmental Protection Agency, Region II  
2890 Woodbridge Avenue  
Edison, New Jersey 08837

Prepared by:

Removal Support Team 3  
Weston Solutions, Inc.  
Federal East Division  
Edison, New Jersey 08837

June 2019

**TABLE OF CONTENTS**

<u>Content</u>	<u>Page</u>
1.0 Introduction.....	1
1.1 Site Location and Description.....	1
1.2 Site History and Background.....	1
2.0 Scope of Work .....	3
3.0 On-Site Personnel .....	3
4.0 Site Activities and Observations.....	3
5.0 Sampling Methodology.....	4
6.0 Laboratory Receiving Samples .....	5
7.0 Sample Collection and Dispatch.....	5
8.0 Analytical Results Summary.....	5
9.0 Conclusion .....	6

**LIST OF ATTACHMENTS**

**Attachment A:** Figures

Figure 1: Site Location Map

Figure 2: March 2019 Tap Water Sample Location Map

**Attachment B:** Tables

Table 1: Sample Collection Information Table

Table 2A: Validated Tap Water Analytical Results Summary Table - PCBs

Table 2B: Validated Tap Water Analytical Results Summary Table - TCL SVOCs

Table 2C: Validated Tap Water Analytical Results Summary Table - TCL VOCs

**Attachment C:** Photographic Documentation Log

**Attachment D:** Chains of Custody Records

**Attachment E:** Validated Laboratory Analytical Data

**Attachment F:** Residential Information

## **1.0 Introduction**

The U.S. Environmental Protection Agency Region II (EPA) Removal Action Branch (RAB), with the support of Weston Solutions, Inc., Removal Support Team 3 (RST 3) performed a tap water sampling event as part of the ongoing Removal Assessment of the Route 203 Site (the Site) on March 18 through 21, 2019. The sampling event consisted of tap water sampling at 26 residential wells located in Nassau, New York, as well as a public water supply well located in the Village of Nassau for a total of 27 groundwater wells. All the samples collected were submitted to the assigned laboratory for analysis.

### **1.1 Site Location and Description**

The Site includes a property located at 5225-5239 Route 203, Nassau, Rensselaer County, New York (the “Property”). The Property’s current zoning is rural residential, and a portion of the property was used for waste oil storage from the 1960s through the 1980s by various companies owned by Richard and/or Dewey Loeffel (the “Loeffel Companies”). The Dewey Loeffel Landfill Site (the “Landfill Site”), which was used as a waste disposal facility from 1952 to 1968 by the Loeffel Companies, is located on Mead Road approximately five miles from the Site in Nassau, Rensselaer County, New York.

The 27 groundwater wells investigated as part of this Removal Assessment are situated on 25 properties, including 24 residential properties located adjacent to the Property and one public water supply well (supply well #2) located in the Village of Nassau. These groundwater wells are the main source of potable water supply for the associated properties and supply well #2 is one of 3 wells utilized by the Village of Nassau. The 24 residential properties are situated within an area approximately 800 feet north, 1,500 feet south, 1,000 feet east, and 1,000 feet west of the southern portion of the Property, where contaminated soil and sediment have been detected. For reporting purposes, the 24 residential properties have been identified as Properties P001 through P007 and Properties P009 through P025, and the one public water supply well located in the downtown area of the Village of Nassau has been identified as Village-Well02. Property P008 was vacant at the time of sampling and access was not obtained. There are two private wells located on both Property P001 (identified as P001-TW001 and P001-TW002) and Property P024 (identified as P024-TW001 and P024-TW002).

Refer to Attachment A, Figure 1: Site Location Map.

### **1.2 Site History and Background**

In the 1950s and 1960s, the Landfill Site was used as a disposal facility for more than 46,000 tons of industrial hazardous wastes, including solvents, waste oils, polychlorinated biphenyls (PCBs), scrap materials, sludges, and solids. In 1968, after years of citizen complaints, documented downstream fish and cattle kills, and uncontrolled fires at the Landfill Site, the State of New York ordered the operator, Dewey Loeffel, to stop discharges and perform cleanup work. From 1980 until 2011, numerous investigations and cleanup actions were performed at the Landfill Site under the New York State Department of Environmental Conservation’s (NYSDEC’s) Superfund program. The State of New York referred the Landfill Site to the EPA and issued a letter of support



for placing the Landfill Site on the federal Superfund National Priorities List (NPL). In March 2011, the Landfill Site was added to the NPL. Confirmed contaminants of the Landfill Site include volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and PCBs.

Both the Landfill Site and the Site were permitted by NYSDEC for waste oil storage from the mid-1960s until approximately 1980. Rensselaer County Department of Health (DOH) memos from December 7, 1973 and February 25, 1975, detailing visits to the Site, indicate the presence of four 30,000 gallon oil tanks surrounded by a berm approximately 150 feet east of an on-Site pond. These tanks are no longer present at the Site. The memos also indicate the presence of one buried 30,000 gallon tank, which currently remains at the Site. The memos also state that oil appeared to have entered the swamp located in the rear of the Site property. The property owner has indicated that the swamp area was dredged in the mid- to late- 1970s to create the on-Site pond. Information provided by a NYSDEC employee in July 2018 indicated that the property may have been utilized as a dump site for waste oil. Historical sampling reports indicate samples of invertebrates and amphibians from the pond at the Site had elevated levels of PCBs, including amphibian samples collected on November 17, 1979. Two samples (of soil and pond water at the Site) collected by a neighbor on July 27, 1987 for PCBs, lead, oil and grease, benzene, toluene, xylene, ethylbenzene, and total hydrocarbon analyses were free of contamination.

In order to investigate the potential dumping of waste oil and other industrial waste at the Site, RST 3 provided support for a Removal Assessment at the Site, including conducting a Site walk and ground penetrating radar (GPR) survey on October 16, 2018 and a sampling event on December 10 through 14, 2018. A total of 115 soil samples, 30 sediment samples, six surface water samples, three tap water samples, and three solid waste samples were collected from locations throughout the Site as determined by the EPA On-Scene Coordinator (OSC).

Based on analytical results of the December 2018 sampling event, concentrations of toluene, ethyl benzene, m,p-xylenes, o-xylene, 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, hexachlorobenzene, barium, lead, and mercury exceeding the NYSDEC Restricted Use Soil Cleanup Objectives (RUSCOs) and/or EPA Removal Management Levels (RMLs), respectively for residential soil, were present in the soil samples. Concentrations of toluene, m,p-xylenes, o-xylene, acetone, chlorobenzene, 1,4-dichlorobenzene, barium, lead, and mercury exceeding the NYSDEC RUSCOs for protection of ecological resource and/or EPA RMLs for residential soil, were present in the sediment samples. Concentrations of phenol and bis(2-ethylhexyl)phthalate exceeding the NYSDEC Surface Water Quality Standards (SWQS) and/or EPA Maximum Contaminant Levels (MCLs) were present in the surface water samples. Elevated concentrations of the VOCs, SVOCs, and Resource Conservation and Recovery Act (RCRA) metals in soil, sediment, and surface water were predominantly found along the eastern edge of the on-Site pond. As part of the December 2018 sampling event, tap water samples were also collected from two wells located on the Site. Target analytes were not found in tap water exceeding the EPA MCLs; however analytes detected in tap water samples included trichloroethene and PCB Aroclor-1260.

The December 2018 sampling event indicates PCBs as the main contaminant of concern at the Site. Based on the analytical results of soil samples, concentration of PCB Aroclor-1016 exceeded the NYSDEC RUSCO for residential soil and the EPA RML for residential soil in one sample and concentrations of PCB Aroclor-1260 exceeded the NYSDEC RUSCO in 92 samples and the EPA

RML in 49 samples. Based on the analytical results of sediment samples, concentration of PCB Aroclor-1016 exceeded the NYSDEC RUSCO for protection of ecological resources and the EPA RML in one sample, concentrations of PCB Aroclor-1254 exceeded the NYSDEC RUSCO and the EPA RML in four samples, and concentrations of PCB Aroclor-1260 exceeded the NYSDEC RUSCO in 18 samples and the EPA RML in two samples. Based on the analytical results of solid waste samples, concentration of PCB Aroclor-1260 exceeded the NYSDEC RUSCO for residential soil and the EPA RML in one sample. PCB Aroclor-1260 was the most widespread contaminant found at elevated concentrations at the Site. A total of 31 soil samples, one sediment sample, and one solid waste sample had concentrations of Aroclor-1260 at or above 50 parts per million (ppm), thereby qualifying soil, sediment, and solid waste at these locations as PCB remediation waste under the Toxic Substances Control Act (TSCA) requiring disposal in a hazardous waste landfill. The area of the Site with the highest concentration of PCB contamination was observed along an approximately 150 foot stretch of shoreline immediately east of the on-Site pond. Further investigation may be required to delineate the extent of contamination if a Removal Action is deemed necessary for the Site.

## 2.0 Scope of Work

Based on the analytical results of the December 2018 sampling event, EPA was concerned that Site-related contaminants could potentially impact the residential groundwater wells located in proximity to the Site. Consequently, RST 3 was tasked by EPA with providing support for additional Removal Assessment activities at the Site. The scope of work (SOW) for the Removal Assessment included the collection of tap water samples from 26 private residential groundwater wells located adjacent to the Site and one public water supply well located in the Village of Nassau for laboratory analyses of TCL VOCs, TCL SVOCs, and PCBs. All the tap water samples were collected from locations determined on-Site by the EPA OSC. All the required samples were collected to meet quality assurance/quality control (QA/QC) objectives. The sampling event was conducted to determine if contamination associated with the Site has impacted the private groundwater wells in the adjacent residential neighborhood, and consequently, if a Removal Action is necessary.

## 3.0 On-Site Personnel

Name	Affiliation	Duties On-Site
David Rosoff	EPA, Region II	On-Scene Coordinator
Joseph Battipaglia	EPA, Region II	Remedial Project Manager
Michael Lang	Weston Solutions, Inc. RST 3, Region II	Site Project Manager, Site H&S, Site QA/QC, Sample Collection, and Sample Management
Patrick Ahern	Weston Solutions, Inc. RST 3, Region II	Sample Collection and Sample Management

EPA: U.S. Environmental Protection Agency  
QA/QC: Quality Assurance/Quality Control

RST 3: Removal Support Team 3  
H&S: Health and Safety

## 4.0 Site Activities and Observations

On March 18 through 21, 2019, EPA and RST 3 completed a tap water sampling event as part of the ongoing Removal Assessment of the Site. During the sampling activities, tap water samples

were collected from 26 private wells situated on 24 residential properties located adjacent to the Site and one public water supply well located in the downtown area of the Village of Nassau. Prior to sampling the tap water at each property, the EPA OSC and/or EPA Remedial Project Manager (RPM) completed a survey with the residents to obtain contact information, verify presence/absence of a treatment system, and determine well construction specifications, especially the well/pump depth, which was useful in determining the vertical interval of the sample to be collected. Following the completion of the survey at each property, untreated tap water samples were collected from faucets selected by the EPA OSC on the property. Site activities were documented with photographs and in the Site log book, and well locations were documented using global positioning system (GPS) technology.

Refer to Attachment A, Figure 2: March 2019 Tap Water Sample Location Map and Attachment C: Photographic Documentation Log.

## **5.0 Sampling Methodology**

All on-Site field work was performed in accordance with the RST 3 Site-Specific Health and Safety Plan (HASp), Site-Specific Uniform Federal Policy (UFP) Quality Assurance Project Plan (QAPP), and EPA's Environmental Response Team (ERT)/Scientific Engineering Response and Analytical Services (SERAS) contractor's Standard Operating Procedure (SOP) Number (No.) 2001: *General Field Sampling Guidelines* and SOP No. 2007: *Groundwater Well Sampling*.

At each property to be sampled, including the Village of Nassau public water supply well, the EPA OSC or EPA RPM selected the location on the property from which the tap water samples were collected. Each property was checked for the presence of a treatment system. If a treatment system existed, it was bypassed or avoided for sample collection. Prior to sampling each water supply system, it was necessary to evacuate the standing water from the well, storage tank, and plumbing. This was accomplished by opening the cold water tap and purging the system for approximately 10 minutes and listening for the pump to turn on. This served as a good indicator that the tank and the plumbing were evacuated. Any aerator, strainer, and/or hose attachment present on the faucet was removed prior to purging. Grab samples of tap water were then collected directly from the selected faucet at a low, non-aerating flow rate into dedicated 40 milliliter (ml) volatile organic analysis (VOA) vials with Teflon-lined septum caps, preserved with hydrochloric acid (HCl) to pH below 2 and amber glass sample bottles unpreserved.

Immediately upon collection, the tap water samples were stored on ice in a sample/transport cooler. For QA purposes, field duplicate and matrix spike/matrix spike duplicate (MS/MSD) samples were collected at a rate of one per 20 tap water samples. Each day tap water samples were to be submitted to the assigned laboratory, a trip blank was collected for QC purposes, by pouring deionized water into three dedicated 40 ml VOA vials with Teflon-lined septum caps, preserved with HCl to pH below 2, and stored on ice along with the tap water samples.

Sample information for all the tap water samples and trip blanks were entered into the EPA Scribe data management system from which sample labels and Chains of Custody (COC) Records were generated. The sample labels were affixed to the sample bottles and VOA vials. All the tap water samples were submitted to the assigned laboratory for TCL VOCs, TCL SVOCs and PCBs,

analyses, and trip blanks were submitted along with tap water samples to the assigned laboratory for TCL VOCs analysis.

## 6.0 Laboratory Receiving Samples

The following laboratory was utilized during the March 2019 Removal Assessment sampling event:

Laboratory	Sample Matrix	Analyses
Chemtech Consulting Group 284 Sheffield Street Mountainside, New Jersey	Tap Water	TCL VOCs, TCL SVOCs and PCBs

TCL: Target Compound List  
SVOC: Semivolatile Organic Compound

VOC: Volatile Organic Compound  
PCB: Polychlorinated Biphenyl

## 7.0 Sample Collection and Dispatch

From March 18 through 21, 2019, RST 3 collected a total of 29 tap water samples, including two field duplicates, and two trip blanks.

On March 20, 2019, a total of 15 tap water samples, including one field duplicate, for TCL VOCs, TCL SVOCs, and PCBs analyses, and one trip blank for TCL VOCs analysis, were shipped under COC Record No. 2-031919-0370-0083-0001 via FedEx Airbill No. 7747 4859 3040 to Chemtech Consulting Group (Chemtech) located in Mountainside, New Jersey.

On March 21, 2019, a total of 14 tap water samples, including one field duplicate, for TCL VOCs, TCL SVOCs, and PCBs analyses, and one trip blank for TCL VOCs analysis, were hand-delivered under COC Record No. 2-032119-0370-0083-0001 to Chemtech located in Mountainside New Jersey.

Refer to Attachment B, Table 1: Sample Collection Information Table and Attachment D: Chains of Custody Records.

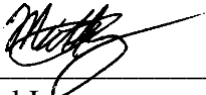
## 8.0 Analytical Results Summary


The validated analytical results of the tap water samples were compared with the EPA MCLs (revised November 2018). Based on the validated analytical results, concentrations of TCL VOCs, TCL SVOCs, and PCBs were either not detected or were detected at concentrations below the EPA MCLs.

Refer to Attachment A, Figure 2: March 2019 Tap Water Sample Location Map, Attachment B, Table 2A: Validated Tap Water Analytical Results Summary Table – PCBs, Table 2B: Validated Tap Water Analytical Results Summary Table – TCL SVOCs, Table 2C: Validated Tap Water Analytical Results Summary Table – TCL VOCs, and Attachment E: Validated Laboratory Analytical Data.

## 9.0 Conclusion

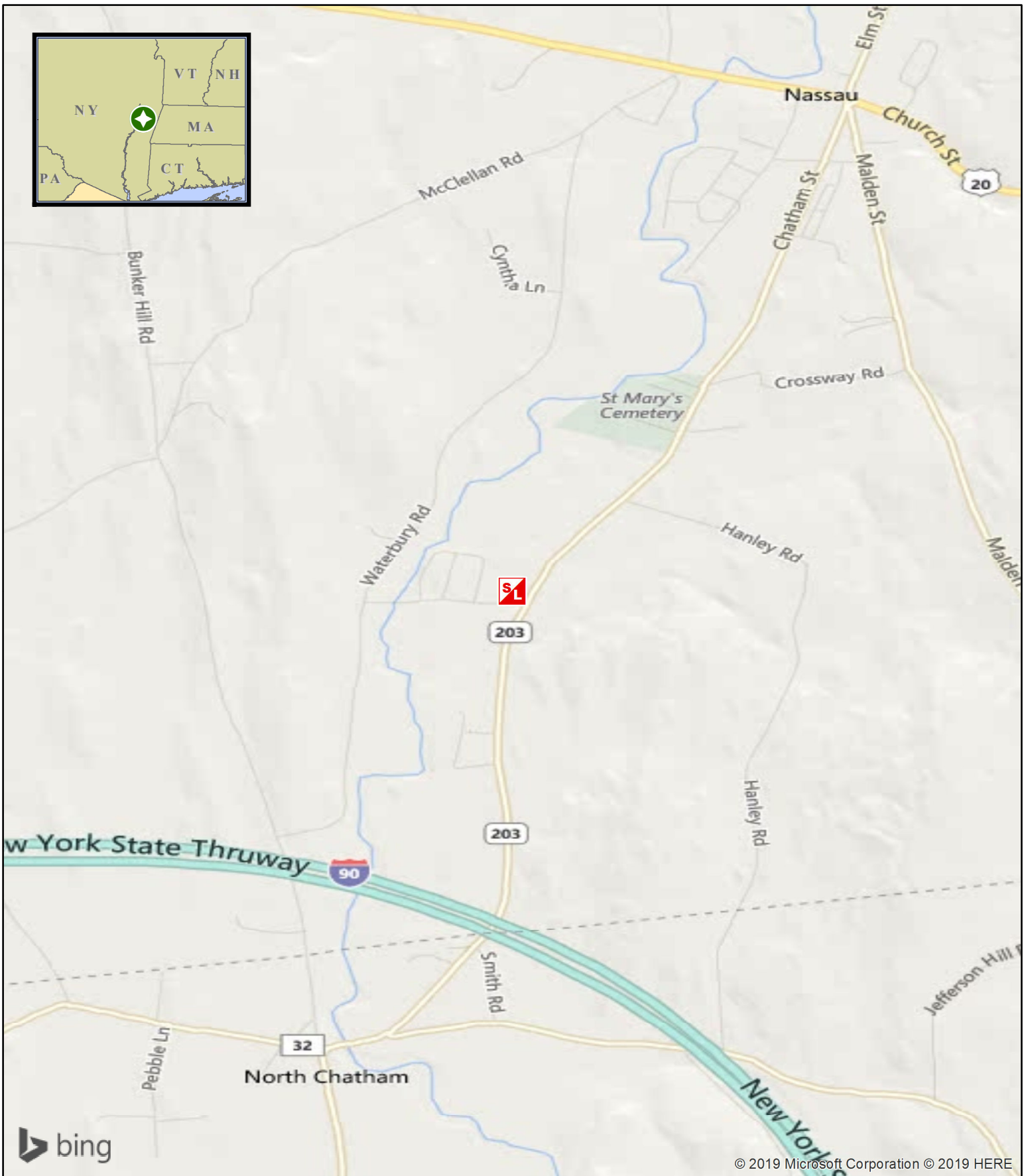
On March 18 through 21, 2019, RST 3 performed a sampling event as part of ongoing Removal Assessment activities at the Site. A total of 29 tap water samples, including two field duplicates, were collected from 27 groundwater wells situated on 25 properties, including 24 residential properties located adjacent to the Site and one well located in the Village of Nassau. Based on the analytical results, concentrations of TCL VOCs, TCL SVOCs, and PCBs were either not detected or were detected at concentrations below the EPA MCLs.

Report prepared by:  6/11/2019  
Michael Lang Date  
RST 3 Site Project Manager

Report reviewed by:  6/11/2019  
Bernard Nwosu Date  
RST 3 Group Leader

## **Attachment A**

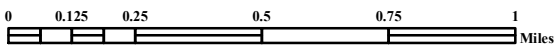
- Figure 1: Site Location Map  
Figure 2: March 2019 Tap Water Sample Location Map



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**Legend**

 Site Location



**WESTON SOLUTIONS** **Weston Solutions, Inc.**  
East Division

In Association With  
Scientific and Environmental Associates, Inc.,  
Environmental Compliance Consultants, Inc.,  
Avatar Environmental, LLC, On-Site Environmental,  
Inc. and Sovereign Consulting, Inc

DATE MODIFIED: 6/3/2019

<b>Figure 1: Site Location Map</b>	
Route 203 Site Nassau, New York	
U.S. ENVIRONMENTAL PROTECTION AGENCY REMOVAL SUPPORT TEAM 3 CONTRACT # EP-S2-14-01	
GIS ANALYST:	M. LANG
EPA OSC:	D. ROSOFF
RST SPM:	M. LANG
CHARGE #:	30400.121.370.5083





SCALE  
1:3,000

**LEGEND**

**Well Depths (feet)**

- Unknown
- 1 - 36
- 37 - 50
- 51 - 62
- 63 - 75
- 76 - 100
- 101 - 300
- Parcel Boundary

**Notes:**

- »Sampling was conducted on March 18 through 21, 2019
- »Tap water samples were collected from faucets in on-site buildings, sample locations are marked at the corresponding wells
- »≈ indicates approximate well depth



**Figure 2: March 2019 Tap Water Sample Location Map**

**Route 203 Site  
Nassau, New York**

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REMOVAL SUPPORT TEAM 3  
CONTRACT # EP-S2-14-01

Weston Solutions, Inc.  
In Association With  
Scientific and Environmental Associates, Inc.,  
Environmental Compliance Consultants, Inc.,  
Avatar Environmental, LLC, On-Site Environmental, Inc., and Sovereign Consulting, Inc.

GIS ANALYST:	M. LANG
EPA OSC:	D. ROSOFF
RST 3 SPM:	M. LANG
FILENAME:	190501 Route203 Res TW P00
FIGURE:	2
REVISION:	0.0
DATE MODIFIED:	6/10/2019



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



## **Attachment B**

Table 1:	Sample Collection Information Table
Table 2A:	Validated Tap Water Analytical Results Summary Table - PCBs
Table 2B:	Validated Tap Water Analytical Results Summary Table - TCL SVOCs
Table 2C:	Validated Tap Water Analytical Results Summary Table - TCL VOCs

**Table 1: Sample Collection Information Table**  
**Route 203 Site**  
**Nassau, Rensselaer County, New York**  
**March 18 through 21, 2019**

RST 3 Sample Number	Sample Location	Sample Date	Sample Time	Matrix	Sample Type	Analyses
P001-TW001-03	P001-TW001	3/19/2019	10:34	Potable Water	Field Sample (MS/MSD)	TCL VOCs, TCL SVOCs, PCBs
P001-TW001-04	P001-TW001	3/19/2019	10:34	Potable Water	Field Duplicate	TCL VOCs, TCL SVOCs, PCBs
P001-TW002-02	P001-TW002	3/19/2019	11:00	Potable Water	Field Sample	TCL VOCs, TCL SVOCs, PCBs
P002-TW001-01	P002-TW001	3/18/2019	14:25	Potable Water	Field Sample (MS/MSD)	TCL VOCs, TCL SVOCs, PCBs
P002-TW001-02	P002-TW001	3/18/2019	14:25	Potable Water	Field Duplicate	TCL VOCs, TCL SVOCs, PCBs
P003-TW001-01	P003-TW001	3/18/2019	14:59	Potable Water	Field Sample	TCL VOCs, TCL SVOCs, PCBs
P004-TW001-01	P004-TW001	3/19/2019	18:20	Potable Water	Field Sample	TCL VOCs, TCL SVOCs, PCBs
P005-TW001-01	P005-TW001	3/18/2019	17:11	Potable Water	Field Sample	TCL VOCs, TCL SVOCs, PCBs
P006-TW001-01	P006-TW001	3/18/2019	18:12	Potable Water	Field Sample	TCL VOCs, TCL SVOCs, PCBs
P007-TW001-01	P007-TW001	3/19/2019	18:24	Potable Water	Field Sample	TCL VOCs, TCL SVOCs, PCBs
P009-TW001-01	P009-TW001	3/18/2019	15:31	Potable Water	Field Sample	TCL VOCs, TCL SVOCs, PCBs
P010-TW001-01	P010-TW001	3/20/2019	13:05	Potable Water	Field Sample	TCL VOCs, TCL SVOCs, PCBs
P011-TW001-01	P011-TW001	3/19/2019	19:45	Potable Water	Field Sample	TCL VOCs, TCL SVOCs, PCBs
P012-TW001-01	P012-TW001	3/20/2019	17:00	Potable Water	Field Sample	TCL VOCs, TCL SVOCs, PCBs
P013-TW001-01	P013-TW001	3/18/2019	16:05	Potable Water	Field Sample	TCL VOCs, TCL SVOCs, PCBs
P014-TW001-01	P014-TW001	3/19/2019	17:45	Potable Water	Field Sample	TCL VOCs, TCL SVOCs, PCBs
P015-TW001-01	P015-TW001	3/18/2019	16:24	Potable Water	Field Sample	TCL VOCs, TCL SVOCs, PCBs
P016-TW001-01	P016-TW001	3/18/2019	15:52	Potable Water	Field Sample	TCL VOCs, TCL SVOCs, PCBs
P017-TW001-01	P017-TW001	3/18/2019	15:15	Potable Water	Field Sample	TCL VOCs, TCL SVOCs, PCBs
P018-TW001-01	P018-TW001	3/18/2019	18:19	Potable Water	Field Sample	TCL VOCs, TCL SVOCs, PCBs
P019-TW001-01	P019-TW001	3/20/2019	16:26	Potable Water	Field Sample	TCL VOCs, TCL SVOCs, PCBs
P020-TW001-01	P020-TW001	3/18/2019	17:34	Potable Water	Field Sample	TCL VOCs, TCL SVOCs, PCBs
P021-TW001-01	P021-TW001	3/20/2019	12:26	Potable Water	Field Sample	TCL VOCs, TCL SVOCs, PCBs
P022-TW001-01	P022-TW001	3/19/2019	14:25	Potable Water	Field Sample	TCL VOCs, TCL SVOCs, PCBs
P023-TW001-01	P023-TW001	3/19/2019	13:25	Potable Water	Field Sample	TCL VOCs, TCL SVOCs, PCBs
P024-TW001-01	P024-TW001	3/18/2019	19:05	Potable Water	Field Sample	TCL VOCs, TCL SVOCs, PCBs
P024-TW002-01	P024-TW002	3/18/2019	19:20	Potable Water	Field Sample	TCL VOCs, TCL SVOCs, PCBs
P025-TW001-01	P025-TW001	3/18/2019	16:57	Potable Water	Field Sample	TCL VOCs, TCL SVOCs, PCBs
Village-Well02-01	Village-Well02	3/21/2019	9:20	Potable Water	Field Sample	TCL VOCs, TCL SVOCs, PCBs
TB-190319-01	TB-190319	3/19/2019	20:00	Deionized Water	Trip Blank	TCL VOCs, TCL SVOCs, PCBs
TB-190320-01	TB-190320	3/20/2019	14:00	Deionized Water	Trip Blank	TCL VOCs, TCL SVOCs, PCBs

**Notes:**

RST 3 - Weston Solutions, Inc., Removal Support Team 3

MS/MSD - Matrix Spike/Matrix Spike Duplicate

TCL - Target Compound List

VOC - Volatile Organic Compound

SVOC - Semivolatile Organic Compound

PCB - Polychlorinated Biphenyl



**Table 2A: Validated Tap Water Analytical Results Summary Table - PCBs**  
**Route 203 Site**  
**Nassau, Rensselaer County, New York**  
**March 18 through 21, 2019**

RST 3 Sample Number	EPA MCL <sup>1</sup>	P001-TW001-03	P001-TW001-04	P001-TW002-02	P002-TW001-01	P002-TW001-02	P003-TW001-01	P004-TW001-01	P005-TW001-01	P006-TW001-01	P007-TW001-01
Sampling Date		3/19/2019	3/19/2019	3/19/2019	3/18/2019	3/18/2019	3/18/2019	3/19/2019	3/18/2019	3/18/2019	3/19/2019
Sample Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
<b>PCB (µg/L)</b>											
Aroclor-1016	0.5	0.080 U	0.080 U	0.080 U	0.08 U	0.08 U	0.08 U	0.080 U	0.08 U	0.08 U	0.080 U
Aroclor-1221	0.5	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Aroclor-1232	0.5	0.030 U	0.030 U	0.030 U	0.03 U	0.03 U	0.03 U	0.030 U	0.03 U	0.03 U	0.030 U
Aroclor-1242	0.5	0.030 U	0.030 U	0.030 U	0.03 U	0.03 U	0.03 U	0.030 U	0.03 U	0.03 U	0.030 U
Aroclor-1248	0.5	0.020 U	0.020 U	0.020 U	0.02 U	0.02 U	0.02 U	0.020 U	0.02 U	0.02 U	0.020 U
Aroclor-1254	0.5	0.050 U	0.050 U	0.050 U	0.05 U	0.05 U	0.05 U	0.050 U	0.05 U	0.05 U	0.050 U
Aroclor-1260	0.5	0.060 U	0.060 U	0.060 U	0.06 U	0.06 U	0.06 U	0.060 U	0.06 U	0.06 U	0.060 U
Aroclor-1262	0.5	0.040 U	0.040 U	0.040 U	0.04 U	0.04 U	0.04 U	0.040 U	0.04 U	0.04 U	0.040 U
Aroclor-1268	0.5	0.20 U	0.20 U	0.20 U	0.2 U	0.2 U	0.2 U	0.20 U	0.2 U	0.2 U	0.20 U

RST 3 Sample Number	EPA MCL <sup>1</sup>	P009-TW001-01	P010-TW001-01	P011-TW001-01	P012-TW001-01	P013-TW001-01	P014-TW001-01	P015-TW001-01	P016-TW001-01	P017-TW001-01	P018-TW001-01
Sampling Date		3/18/2019	3/20/2019	3/19/2019	3/20/2019	3/18/2019	3/19/2019	3/18/2019	3/18/2019	3/18/2019	3/18/2019
Sample Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
<b>PCB (µg/L)</b>											
Aroclor-1016	0.5	0.08 U	0.080 U	0.080 U	0.080 U	0.08 U	0.080 U	0.08 U	0.08 U	0.08 U	0.08 U
Aroclor-1221	0.5	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Aroclor-1232	0.5	0.03 U	0.030 U	0.030 U	0.030 U	0.03 U	0.030 U	0.03 U	0.03 U	0.03 U	0.03 U
Aroclor-1242	0.5	0.03 U	0.030 U	0.030 U	0.030 U	0.03 U	0.030 U	0.03 U	0.03 U	0.03 U	0.03 U
Aroclor-1248	0.5	0.02 U	0.020 U	0.020 U	0.020 U	0.02 U	0.020 U	0.02 U	0.02 U	0.02 U	0.02 U
Aroclor-1254	0.5	0.05 U	0.050 U	0.050 U	0.050 U	0.05 U	0.050 U	0.05 U	0.05 U	0.05 U	0.05 U
Aroclor-1260	0.5	0.06 U	0.060 U	0.060 U	0.060 U	0.06 U	0.060 U	0.06 U	0.06 U	0.06 U	0.06 U
Aroclor-1262	0.5	0.04 U	0.040 U	0.040 U	0.040 U	0.04 U	0.040 U	0.04 U	0.04 U	0.04 U	0.04 U
Aroclor-1268	0.5	0.2 U	0.20 U	0.20 U	0.20 U	0.2 U	0.20 U	0.2 U	0.2 U	0.2 U	0.2 U

RST 3 Sample Number	EPA MCL <sup>1</sup>	P019-TW001-01	P020-TW001-01	P021-TW001-01	P022-TW001-01	P023-TW001-01	P024-TW001-01	P024-TW002-01	P025-TW001-01	Village-Well02-01
Sampling Date		3/20/2019	3/18/2019	3/20/2019	3/19/2019	3/19/2019	3/18/2019	3/18/2019	3/18/2019	3/21/2019
Sample Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
<b>PCB (µg/L)</b>										
Aroclor-1016	0.5	0.080 U	0.08 U	0.080 U	0.080 U	0.080 U	0.08 U	0.08 U	0.08 U	0.080 U
Aroclor-1221	0.5	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Aroclor-1232	0.5	0.030 U	0.03 U	0.030 U	0.030 U	0.030 U	0.03 U	0.03 U	0.03 U	0.030 U
Aroclor-1242	0.5	0.030 U	0.03 U	0.030 U	0.030 U	0.030 U	0.03 U	0.03 U	0.03 U	0.030 U
Aroclor-1248	0.5	0.020 U	0.02 U	0.020 U	0.020 U	0.020 U	0.02 U	0.02 U	0.02 U	0.020 U
Aroclor-1254	0.5	0.050 U	0.05 U	0.050 U	0.050 U	0.050 U	0.05 U	0.05 U	0.05 U	0.050 U
Aroclor-1260	0.5	0.060 U	0.06 U	0.060 U	0.060 U	0.060 U	0.06 U	0.06 U	0.06 U	0.060 U
Aroclor-1262	0.5	0.040 U	0.04 U	0.040 U	0.040 U	0.040 U	0.04 U	0.04 U	0.04 U	0.040 U
Aroclor-1268	0.5	0.20 U	0.2 U	0.20 U	0.20 U	0.20 U	0.2 U	0.2 U	0.2 U	0.20 U

**Notes:**

RST 3 - Removal Support Team 3

PCB - Polychlorinated Biphenyl

U - Not detected at the indicated concentration

<sup>1</sup>U.S. Environmental Protection Agency (EPA) Maximum Contaminant Levels (MCLs), November 2018

All tap water analytical results and EPA MCLs reported in micrograms per liter (µg/L)



Table 1. Demographic characteristics of the study population (N = 100) and the 1000 simulated population

Characteristic	Study population (N = 100)	1000 simulated population
Age (years)		
Mean	50.0	50.0
Standard deviation	15.0	15.0
Gender		
Male	50	500
Female	50	500
Marital status		
Married	50	500
Single	50	500
Education level		
High school or below	50	500
College or above	50	500
Income (US\$)		
Mean	20000	20000
Standard deviation	10000	10000
Health insurance		
Medicaid	50	500
Medicare	50	500
Private	0	0
None	0	0

US\$ = US dollar; N = number of subjects.

the 1000 simulated population. The mean and standard deviation of the 1000 simulated population were the same as those of the study population.

#### RESULTS

##### Baseline

At baseline, the mean age of the study population was 50 years (SD 15 years), 50% were male, 50% were married, 50% had high school or below education level, and 50% had an income of US\$20000 (SD US\$10000). At baseline, 50% of the study population had Medicaid, 50% had Medicare, and none had private or no health insurance.

##### Simulation

At the end of the simulation, the mean age of the study population was 65 years (SD 15 years), 50% were male, 50% were married, 50% had high school or below education level, and 50% had an income of US\$20000 (SD US\$10000). At the end of the simulation, 50% of the study population had Medicaid, 50% had Medicare, and none had private or no health insurance.

##### Discussion

The purpose of this study was to evaluate the impact of the 2010 ACA on the study population. The results of the simulation showed that the ACA had a significant impact on the study population.

At baseline, the mean age of the study population was 50 years (SD 15 years), 50% were male, 50% were married, 50% had high school or below education level, and 50% had an income of US\$20000 (SD US\$10000).

At the end of the simulation, the mean age of the study population was 65 years (SD 15 years), 50% were male, 50% were married, 50% had high school or below education level, and 50% had an income of US\$20000 (SD US\$10000). At the end of the simulation, 50% of the study population had Medicaid, 50% had Medicare, and none had private or no health insurance.

The results of the simulation showed that the ACA had a significant impact on the study population.

At the end of the simulation, the mean age of the study population was 65 years (SD 15 years), 50% were male, 50% were married, 50% had high school or below education level, and 50% had an income of US\$20000 (SD US\$10000). At the end of the simulation, 50% of the study population had Medicaid, 50% had Medicare, and none had private or no health insurance.

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**Table 2B: Validated Tap Water Analytical Results Summary Table - TCL SVOCs**  
**Route 203 Site**  
**Nassau, Rensselaer County, New York**  
**March 18 through 21, 2019**

RST 3 Sample Number	EPA MCL <sup>1</sup>	P001-TW001-03	P001-TW001-04	P001-TW002-02	P002-TW001-01	P002-TW001-02	P003-TW001-01
		3/19/2019	3/19/2019	3/19/2019	3/18/2019	3/18/2019	3/18/2019
		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
<b>TCL SVOC (µg/L)</b>							
1,4-Dioxane	NS	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
Benzaldehyde	NS	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Phenol	NS	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
Bis(2-Chloroethyl)ether	NS	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
2-Chlorophenol	NS	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
2-Methylphenol	NS	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
2,2-oxybis(1-Chloropropane)	NS	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Acetophenone	NS	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
4-Methylphenol	NS	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
N-Nitroso-di-n-propylamine	NS	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Hexachloroethane	NS	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
Nitrobenzene	NS	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Isophorone	NS	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
2-Nitrophenol	NS	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
2,4-Dimethylphenol	NS	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
bis(2-Chloroethoxy)methane	NS	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
2,4-Dichlorophenol	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Naphthalene	NS	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
4-Chloroaniline	NS	0.38 U	0.38 U	0.38 U	0.38 UJ	0.38 U	0.38 U
Hexachlorobutadiene	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Caprolactam	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
4-Chloro-3-methylphenol	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylnaphthalene	NS	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Hexachlorocyclopentadiene	50	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 U	1.2 U
2,4,6-Trichlorophenol	NS	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,4,5-Trichlorophenol	NS	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Biphenyl	NS	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Chloronaphthalene	NS	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
2-Nitroaniline	NS	0.63 UJ	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Dimethylphthalate	NS	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
2,6-Dinitrotoluene	NS	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Acenaphthylene	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
3-Nitroaniline	NS	0.43 UJ	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Acenaphthene	NS	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U
2,4-Dinitrophenol	NS	0.63 UJ	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
4-Nitrophenol	NS	0.8 UJ	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Dibenzofuran	NS	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,4-Dinitrotoluene	NS	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Diethylphthalate	NS	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Fluorene	NS	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
4-Chlorophenyl-phenylether	NS	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
4-Nitroaniline	NS	0.65 UJ	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
4,6-Dinitro-2-methylphenol	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
N-Nitrosodiphenylamine	NS	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4,5-Tetrachlorobenzene	NS	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
4-Bromophenyl-phenylether	NS	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
Hexachlorobenzene	1	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Atrazine	3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Pentachlorophenol	1	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
Phenanthrene	NS	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Anthracene	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Carbazole	NS	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butylphthalate	NS	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene	NS	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
Pyrene	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Butylbenzylphthalate	NS	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
3,3-Dichlorobenzidine	NS	0.64 U	0.64 U	0.64 U	0.64 UJ	0.64 U	0.64 U
Benzo(a)anthracene	NS	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
Chrysene	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Bis(2-ethylhexyl)phthalate	6	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-octyl phthalate	NS	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene	NS	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
Benzo(k)fluoranthene	NS	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Benzo(a)pyrene	0.2	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Indeno(1,2,3-cd)pyrene	NS	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibenzo(a,h)anthracene	NS	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Benzo(g,h,i)perylene	NS	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
2,3,4,6-Tetrachlorophenol	NS	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U

**Notes:**

- RST 3 - Removal Support Team 3
- TCL - Target Compound List
- SVOC - Semivolatile Organic Compound
- J - Estimated value
- U - Not detected at the indicated concentration
- UJ - Not detected at the estimated concentration
- R - Rejected value
- NS - Not Specified

<sup>1</sup>U.S. Environmental Protection Agency (EPA) Maximum Contaminant Levels (MCLs), November 2018

All tap water analytical results and EPA MCLs reported in micrograms per liter (µg/L)

**Bold result values are detections**



**Table 2B: Validated Tap Water Analytical Results Summary Table - TCL SVOCs**  
**Route 203 Site**  
**Nassau, Rensselaer County, New York**  
**March 18 through 21, 2019**

RST 3 Sample Number	EPA MCL <sup>1</sup>	P004-TW001-01	P005-TW001-01	P006-TW001-01	P007-TW001-01	P009-TW001-01	P010-TW001-01
		3/19/2019	3/18/2019	3/18/2019	3/19/2019	3/18/2019	3/20/2019
		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
<b>TCL SVOC (µg/L)</b>							
1,4-Dioxane	NS	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
Benzaldehyde	NS	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Phenol	NS	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
Bis(2-Chloroethyl)ether	NS	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
2-Chlorophenol	NS	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
2-Methylphenol	NS	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
2,2-oxybis(1-Chloropropane)	NS	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Acetophenone	NS	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
4-Methylphenol	NS	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
N-Nitroso-di-n-propylamine	NS	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Hexachloroethane	NS	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
Nitrobenzene	NS	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Isophorone	NS	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
2-Nitrophenol	NS	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
2,4-Dimethylphenol	NS	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
bis(2-Chloroethoxy)methane	NS	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
2,4-Dichlorophenol	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Naphthalene	NS	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
4-Chloroaniline	NS	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ
Hexachlorobutadiene	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Caprolactam	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
4-Chloro-3-methylphenol	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylnaphthalene	NS	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Hexachlorocyclopentadiene	50	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ
2,4,6-Trichlorophenol	NS	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,4,5-Trichlorophenol	NS	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Biphenyl	NS	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Chloronaphthalene	NS	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
2-Nitroaniline	NS	0.63 UJ	0.63 U	0.63 U	0.63 UJ	0.63 UJ	0.63 UJ
Dimethylphthalate	NS	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
2,6-Dinitrotoluene	NS	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Acenaphthylene	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
3-Nitroaniline	NS	0.43 UJ	0.43 U	0.43 U	0.43 UJ	0.43 UJ	0.43 UJ
Acenaphthene	NS	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U
2,4-Dinitrophenol	NS	0.63 UJ	0.63 U	0.63 U	0.63 UJ	0.63 UJ	0.63 UJ
4-Nitrophenol	NS	0.8 UJ	0.8 U	0.8 U	0.8 UJ	0.8 UJ	0.8 UJ
Dibenzofuran	NS	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,4-Dinitrotoluene	NS	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Diethylphthalate	NS	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Fluorene	NS	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
4-Chlorophenyl-phenylether	NS	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
4-Nitroaniline	NS	0.65 UJ	0.65 U	0.65 U	0.65 UJ	0.65 UJ	0.65 UJ
4,6-Dinitro-2-methylphenol	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
N-Nitrosodiphenylamine	NS	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4,5-Tetrachlorobenzene	NS	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
4-Bromophenyl-phenylether	NS	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
Hexachlorobenzene	1	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Atrazine	3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Pentachlorophenol	1	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
Phenanthrene	NS	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Anthracene	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Carbazole	NS	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butylphthalate	NS	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene	NS	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
Pyrene	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Butylbenzylphthalate	NS	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
3,3-Dichlorobenzidine	NS	0.64 UJ	0.64 UJ	0.64 UJ	0.64 UJ	0.64 UJ	0.64 UJ
Benzo(a)anthracene	NS	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
Chrysene	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Bis(2-ethylhexyl)phthalate	6	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-octyl phthalate	NS	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene	NS	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
Benzo(k)fluoranthene	NS	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Benzo(a)pyrene	0.2	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Indeno(1,2,3-cd)pyrene	NS	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibenzo(a,h)anthracene	NS	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Benzo(g,h,i)perylene	NS	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
2,3,4,6-Tetrachlorophenol	NS	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U

**Notes:**

- RST 3 - Removal Support Team 3
- TCL - Target Compound List
- SVOC - Semivolatile Organic Compound
- J - Estimated value
- U - Not detected at the indicated concentration
- UJ - Not detected at the estimated concentration
- R - Rejected value
- NS - Not Specified

<sup>1</sup>U.S. Environmental Protection Agency (EPA) Maximum Contaminant Levels (MCLs), November 2018

All tap water analytical results and EPA MCLs reported in micrograms per liter (µg/L)

**Bold result values are detections**

**Table 2B: Validated Tap Water Analytical Results Summary Table - TCL SVOCs**  
**Route 203 Site**  
**Nassau, Rensselaer County, New York**  
**March 18 through 21, 2019**

RST 3 Sample Number	EPA MCL <sup>1</sup>	P011-TW001-01	P012-TW001-01	P013-TW001-01	P014-TW001-01	P015-TW001-01	P016-TW001-01
		3/19/2019	3/20/2019	3/18/2019	3/19/2019	3/18/2019	3/18/2019
		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
<b>TCL SVOC (µg/L)</b>							
1,4-Dioxane	NS	0.03 U	0.03 U	0.03 U	0.03 U	0.04 U	0.03 U
Benzaldehyde	NS	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Phenol	NS	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
Bis(2-Chloroethyl)ether	NS	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
2-Chlorophenol	NS	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
2-Methylphenol	NS	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
2,2-oxybis(1-Chloropropane)	NS	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Acetophenone	NS	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
4-Methylphenol	NS	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
N-Nitroso-di-n-propylamine	NS	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Hexachloroethane	NS	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
Nitrobenzene	NS	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Isophorone	NS	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
2-Nitrophenol	NS	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
2,4-Dimethylphenol	NS	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
bis(2-Chloroethoxy)methane	NS	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
2,4-Dichlorophenol	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Naphthalene	NS	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
4-Chloroaniline	NS	0.38 UJ	0.38 UJ	0.38 U	0.38 UJ	0.38 U	0.38 U
Hexachlorobutadiene	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Caprolactam	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
4-Chloro-3-methylphenol	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylnaphthalene	NS	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Hexachlorocyclopentadiene	50	1.2 UJ	1.2 UJ	1.2 U	1.2 UJ	1.2 U	1.2 U
2,4,6-Trichlorophenol	NS	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,4,5-Trichlorophenol	NS	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Biphenyl	NS	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Chloronaphthalene	NS	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
2-Nitroaniline	NS	0.63 UJ	0.63 U	0.63 UJ	0.63 U	0.63 UJ	0.63 UJ
Dimethylphthalate	NS	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
2,6-Dinitrotoluene	NS	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Acenaphthylene	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
3-Nitroaniline	NS	0.43 UJ	0.43 U	0.43 UJ	0.43 U	0.43 UJ	0.43 UJ
Acenaphthene	NS	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U
2,4-Dinitrophenol	NS	0.63 UJ	0.63 U	0.63 UJ	0.63 U	0.63 UJ	0.63 UJ
4-Nitrophenol	NS	0.8 UJ	0.8 U	0.8 UJ	0.8 U	0.8 UJ	0.8 UJ
Dibenzofuran	NS	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,4-Dinitrotoluene	NS	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Diethylphthalate	NS	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Fluorene	NS	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
4-Chlorophenyl-phenylether	NS	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
4-Nitroaniline	NS	0.65 UJ	0.65 U	0.65 UJ	0.65 U	0.65 UJ	0.65 UJ
4,6-Dinitro-2-methylphenol	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
N-Nitrosodiphenylamine	NS	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4,5-Tetrachlorobenzene	NS	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
4-Bromophenyl-phenylether	NS	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
Hexachlorobenzene	1	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Atrazine	3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Pentachlorophenol	1	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
Phenanthrene	NS	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Anthracene	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Carbazole	NS	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butylphthalate	NS	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene	NS	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
Pyrene	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Butylbenzylphthalate	NS	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
3,3-Dichlorobenzidine	NS	0.64 UJ	0.64 UJ	0.64 U	0.64 UJ	0.64 U	0.64 U
Benzo(a)anthracene	NS	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
Chrysene	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Bis(2-ethylhexyl)phthalate	6	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-octyl phthalate	NS	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene	NS	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
Benzo(k)fluoranthene	NS	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Benzo(a)pyrene	0.2	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Indeno(1,2,3-cd)pyrene	NS	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibenzo(a,h)anthracene	NS	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Benzo(g,h,i)perylene	NS	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
2,3,4,6-Tetrachlorophenol	NS	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U

**Notes:**

- RST 3 - Removal Support Team 3
- TCL - Target Compound List
- SVOC - Semivolatile Organic Compound
- J - Estimated value
- U - Not detected at the indicated concentration
- UJ - Not detected at the estimated concentration
- R - Rejected value
- NS - Not Specified

<sup>1</sup>U.S. Environmental Protection Agency (EPA) Maximum Contaminant Levels (MCLs), November 2018

All tap water analytical results and EPA MCLs reported in micrograms per liter (µg/L)

**Bold result values are detections**



**Table 2B: Validated Tap Water Analytical Results Summary Table - TCL SVOCs**  
**Route 203 Site**  
**Nassau, Rensselaer County, New York**  
**March 18 through 21, 2019**

RST 3 Sample Number	EPA MCL <sup>1</sup>	P017-TW001-01	P018-TW001-01	P019-TW001-01	P020-TW001-01	P021-TW001-01	P022-TW001-01
		3/18/2019	3/18/2019	3/20/2019	3/18/2019	3/20/2019	3/19/2019
		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
<b>TCL SVOC (µg/L)</b>							
1,4-Dioxane	NS	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
Benzaldehyde	NS	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Phenol	NS	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
Bis(2-Chloroethyl)ether	NS	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
2-Chlorophenol	NS	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
2-Methylphenol	NS	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
2,2-oxybis(1-Chloropropane)	NS	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Acetophenone	NS	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
4-Methylphenol	NS	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
N-Nitroso-di-n-propylamine	NS	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Hexachloroethane	NS	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
Nitrobenzene	NS	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Isophorone	NS	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
2-Nitrophenol	NS	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
2,4-Dimethylphenol	NS	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
bis(2-Chloroethoxy)methane	NS	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
2,4-Dichlorophenol	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Naphthalene	NS	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
4-Chloroaniline	NS	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ
Hexachlorobutadiene	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Caprolactam	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
4-Chloro-3-methylphenol	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylnaphthalene	NS	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Hexachlorocyclopentadiene	50	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 U	1.2 UJ
2,4,6-Trichlorophenol	NS	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,4,5-Trichlorophenol	NS	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Biphenyl	NS	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Chloronaphthalene	NS	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
2-Nitroaniline	NS	0.63 UJ	0.63 U	0.63 U	0.63 U	0.63 UJ	0.63 U
Dimethylphthalate	NS	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
2,6-Dinitrotoluene	NS	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Acenaphthylene	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
3-Nitroaniline	NS	0.43 UJ	0.43 U	0.43 U	0.43 U	0.43 UJ	0.43 U
Acenaphthene	NS	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U
2,4-Dinitrophenol	NS	0.63 UJ	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
4-Nitrophenol	NS	0.8 UJ	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Dibenzofuran	NS	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,4-Dinitrotoluene	NS	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Diethylphthalate	NS	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Fluorene	NS	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
4-Chlorophenyl-phenylether	NS	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
4-Nitroaniline	NS	0.65 UJ	0.65 U	0.65 U	0.65 U	0.65 UJ	0.65 U
4,6-Dinitro-2-methylphenol	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
N-Nitrosodiphenylamine	NS	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4,5-Tetrachlorobenzene	NS	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
4-Bromophenyl-phenylether	NS	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
Hexachlorobenzene	1	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Atrazine	3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Pentachlorophenol	1	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
Phenanthrene	NS	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Anthracene	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Carbazole	NS	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butylphthalate	NS	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene	NS	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
Pyrene	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Butylbenzylphthalate	NS	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
3,3-Dichlorobenzidine	NS	0.64 UJ	0.64 UJ	0.64 UJ	0.64 UJ	0.64 U	0.64 UJ
Benzo(a)anthracene	NS	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
Chrysene	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Bis(2-ethylhexyl)phthalate	6	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-octyl phthalate	NS	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene	NS	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
Benzo(k)fluoranthene	NS	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Benzo(a)pyrene	0.2	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Indeno(1,2,3-cd)pyrene	NS	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibenzo(a,h)anthracene	NS	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Benzo(g,h,i)perylene	NS	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
2,3,4,6-Tetrachlorophenol	NS	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U

**Notes:**

- RST 3 - Removal Support Team 3
- TCL - Target Compound List
- SVOC - Semivolatile Organic Compound
- J - Estimated value
- U - Not detected at the indicated concentration
- UJ - Not detected at the estimated concentration
- R - Rejected value
- NS - Not Specified

<sup>1</sup>U.S. Environmental Protection Agency (EPA) Maximum Contaminant Levels (MCLs), November 2018

All tap water analytical results and EPA MCLs reported in micrograms per liter (µg/L)

**Bold result values are detections**

**Table 2B: Validated Tap Water Analytical Results Summary Table - TCL SVOCs**  
**Route 203 Site**  
**Nassau, Rensselaer County, New York**  
**March 18 through 21, 2019**

RST 3 Sample Number	EPA MCL <sup>1</sup>	P023-TW001-01	P024-TW001-01	P024-TW002-01	P025-TW001-01	Village-Well02-01
Sampling Date		3/19/2019	3/18/2019	3/18/2019	3/18/2019	3/21/2019
Sample Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
<b>TCL SVOC (µg/L)</b>						
1,4-Dioxane	NS	0.03 U	0.03 U	0.03 U	0.04 U	0.03 U
Benzaldehyde	NS	0.21 U	0.21 U	0.21 U	0.21 U	0.21 UJ
Phenol	NS	0.71 U	0.71 U	0.71 U	0.71 U	0.71 UJ
Bis(2-Chloroethyl)ether	NS	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
2-Chlorophenol	NS	0.24 U	0.24 U	0.24 U	0.24 U	0.24 UJ
2-Methylphenol	NS	0.6 U	0.6 U	0.6 U	0.6 U	R
2,2-oxybis(1-Chloropropane)	NS	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Acetophenone	NS	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
4-Methylphenol	NS	0.56 U	0.56 U	0.56 U	0.56 U	R
N-Nitroso-di-n-propylamine	NS	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Hexachloroethane	NS	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
Nitrobenzene	NS	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Isophorone	NS	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
2-Nitrophenol	NS	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
2,4-Dimethylphenol	NS	0.51 U	0.51 U	0.51 U	0.51 U	R
bis(2-Chloroethoxy)methane	NS	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
2,4-Dichlorophenol	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Naphthalene	NS	0.37 U	0.37 U	0.37 U	0.37 U	0.37 UJ
4-Chloroaniline	NS	0.38 U	0.38 UJ	0.38 UJ	0.38 U	<b>1.3 J</b>
Hexachlorobutadiene	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Caprolactam	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
4-Chloro-3-methylphenol	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylnaphthalene	NS	0.41 U	0.41 U	0.41 U	0.41 U	0.41 UJ
Hexachlorocyclopentadiene	50	1.2 U	1.2 UJ	1.2 UJ	1.2 U	1.2 U
2,4,6-Trichlorophenol	NS	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,4,5-Trichlorophenol	NS	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Biphenyl	NS	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Chloronaphthalene	NS	0.27 U	0.27 U	0.27 U	0.27 U	0.27 UJ
2-Nitroaniline	NS	0.63 U	0.63 UJ	0.63 UJ	0.63 U	0.63 UJ
Dimethylphthalate	NS	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
2,6-Dinitrotoluene	NS	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Acenaphthylene	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.4 UJ
3-Nitroaniline	NS	0.43 U	0.43 UJ	0.43 UJ	0.43 U	0.43 UJ
Acenaphthene	NS	0.58 U	0.58 U	0.58 U	0.58 U	0.58 UJ
2,4-Dinitrophenol	NS	0.63 U	0.63 UJ	0.63 UJ	0.63 U	0.63 UJ
4-Nitrophenol	NS	0.8 U	0.8 UJ	0.8 UJ	0.8 U	0.8 UJ
Dibenzofuran	NS	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,4-Dinitrotoluene	NS	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Diethylphthalate	NS	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Fluorene	NS	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
4-Chlorophenyl-phenylether	NS	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
4-Nitroaniline	NS	0.65 U	0.65 UJ	0.65 UJ	0.65 U	0.65 UJ
4,6-Dinitro-2-methylphenol	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
N-Nitrosodiphenylamine	NS	1 U	1 U	1 U	1 U	1 U
1,2,4,5-Tetrachlorobenzene	NS	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
4-Bromophenyl-phenylether	NS	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
Hexachlorobenzene	1	0.26 U	0.26 U	0.26 U	0.26 U	R
Atrazine	3	1.2 U	1.2 U	1.2 U	1.2 U	R
Pentachlorophenol	1	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
Phenanthrene	NS	0.4 U	0.4 U	0.4 U	0.4 U	R
Anthracene	NS	1.2 U	1.2 U	1.2 U	1.2 U	R
Carbazole	NS	1 U	1 U	1 U	1 U	1 U
Di-n-butylphthalate	NS	1 U	1 U	1 U	1 U	1 U
Fluoranthene	NS	0.66 U	0.66 U	0.66 U	0.66 U	R
Pyrene	NS	1.2 U	1.2 U	1.2 U	1.2 U	R
Butylbenzylphthalate	NS	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
3,3-Dichlorobenzidine	NS	0.64 U	0.64 UJ	0.64 UJ	0.64 U	0.64 U
Benzo(a)anthracene	NS	0.9 U	0.9 U	0.9 U	0.9 U	R
Chrysene	NS	1.1 U	1.1 U	1.1 U	1.1 U	R
Bis(2-ethylhexyl)phthalate	6	1 U	1 U	1 U	1 U	1 U
Di-n-octyl phthalate	NS	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene	NS	0.76 U	0.76 U	0.76 U	0.76 U	R
Benzo(k)fluoranthene	NS	1.7 U	1.7 U	1.7 U	1.7 U	R
Benzo(a)pyrene	0.2	1.3 U	1.3 U	1.3 U	1.3 U	R
Indeno(1,2,3-cd)pyrene	NS	1.7 U	1.7 U	1.7 U	1.7 U	R
Dibenzo(a,h)anthracene	NS	0.52 U	0.52 U	0.52 U	0.52 U	R
Benzo(g,h,i)perylene	NS	1.7 U	1.7 U	1.7 U	1.7 U	R
2,3,4,6-Tetrachlorophenol	NS	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U

**Notes:**

RST 3 - Removal Support Team 3

TCL - Target Compound List

SVOC - Semivolatile Organic Compound

J - Estimated value

U - Not detected at the indicated concentration

UJ - Not detected at the estimated concentration

R - Rejected value

NS - Not Specified

<sup>1</sup>U.S. Environmental Protection Agency (EPA) Maximum Contaminant Levels (MCLs), November 2018

All tap water analytical results and EPA MCLs reported in micrograms per liter (µg/L)

**Bold result values are detections**





**Table 2C: Validated Tap Water Analytical Results Summary Table - TCL VOCs**  
**Route 203 Site**  
**Nassau, Rensselaer County, New York**  
**March 18 through 21, 2019**

RST 3 Sample Number	EPA MCL <sup>1</sup>	P001-TW001-03	P001-TW001-04	P001-TW002-02	P002-TW001-01	P002-TW001-02	P003-TW001-01
Sampling Date		3/19/2019	3/19/2019	3/19/2019	3/18/2019	3/18/2019	3/18/2019
Sample Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
<b>TCL VOC (µg/L)</b>							
Dichlorodifluoromethane	NS	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Chloromethane	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Vinyl chloride	2	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Bromomethane	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chloroethane	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Trichlorofluoromethane	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,1-Dichloroethene	7	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Acetone	NS	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
Carbon disulfide	NS	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
Methyl Acetate	NS	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Methylene chloride	5	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
trans-1,2-Dichloroethene	100	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Methyl tert-butyl Ether	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,1-Dichloroethane	NS	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
cis-1,2-Dichloroethene	70	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2-Butanone	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Bromochloromethane	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chloroform	80.0	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,1-Trichloroethane	200	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Cyclohexane	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Carbon tetrachloride	5	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Benzene	5	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,2-Dichloroethane	5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Trichloroethene	5	<b>2.1</b>	<b>2.3</b>	0.09 U	0.09 U	0.09 U	0.09 U
Methylcyclohexane	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichloropropane	5	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Bromodichloromethane	80.0	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
cis-1,3-Dichloropropene	NS	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
4-Methyl-2-pentanone	NS	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Toluene	1,000	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
trans-1,3-Dichloropropene	NS	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
1,1,2-Trichloroethane	5	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Tetrachloroethene	5	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
2-Hexanone	NS	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dibromochloromethane	80.0	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,2-Dibromoethane	0.05	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chlorobenzene	100	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Ethylbenzene	700	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
o-xylene	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
m/p-xylene	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Styrene	100	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Bromoform	80.0	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Isopropylbenzene	NS	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,2,2-Tetrachloroethane	NS	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,3-Dichlorobenzene	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,4-Dichlorobenzene	75	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichlorobenzene	600	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,2-Dibromo-3-chloropropane	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	70	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
1,2,3-Trichlorobenzene	NS	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U

**Notes:**

RST 3 - Removal Support Team 3

TCL - Target Compound List

VOC - Volatile Organic Compound

J - Estimated value

U - Not detected at the indicated concentration

UJ - Not detected at the estimated concentration

R - Rejected value

NS - Not Specified

<sup>1</sup>U.S. Environmental Protection Agency (EPA) Maximum Contaminant Levels (MCLs), November 2018

All tap water analytical results and EPA MCLs reported in micrograms per liter (µg/L)

**Bold result values are detections**

**Table 2C: Validated Tap Water Analytical Results Summary Table - TCL VOCs**  
**Route 203 Site**  
**Nassau, Rensselaer County, New York**  
**March 18 through 21, 2019**

RST 3 Sample Number	EPA MCL <sup>1</sup>	P004-TW001-01	P005-TW001-01	P006-TW001-01	P007-TW001-01	P009-TW001-01	P010-TW001-01
Sampling Date		3/19/2019	3/18/2019	3/18/2019	3/19/2019	3/18/2019	3/20/2019
Sample Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
<b>TCL VOC (µg/L)</b>							
Dichlorodifluoromethane	NS	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Chloromethane	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Vinyl chloride	2	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Bromomethane	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chloroethane	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Trichlorofluoromethane	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,1-Dichloroethene	7	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Acetone	NS	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
Carbon disulfide	NS	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
Methyl Acetate	NS	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Methylene chloride	5	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	<b>1.1</b>
trans-1,2-Dichloroethene	100	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Methyl tert-butyl Ether	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,1-Dichloroethane	NS	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
cis-1,2-Dichloroethene	70	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2-Butanone	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Bromochloromethane	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chloroform	80.0	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,1-Trichloroethane	200	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Cyclohexane	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Carbon tetrachloride	5	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Benzene	5	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,2-Dichloroethane	5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Trichloroethene	5	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Methylcyclohexane	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichloropropane	5	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Bromodichloromethane	80.0	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
cis-1,3-Dichloropropene	NS	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
4-Methyl-2-pentanone	NS	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Toluene	1,000	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
trans-1,3-Dichloropropene	NS	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
1,1,2-Trichloroethane	5	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Tetrachloroethene	5	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
2-Hexanone	NS	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dibromochloromethane	80.0	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,2-Dibromoethane	0.05	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chlorobenzene	100	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Ethylbenzene	700	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
o-xylene	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
m/p-xylene	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Styrene	100	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Bromoform	80.0	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Isopropylbenzene	NS	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,2,2-Tetrachloroethane	NS	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,3-Dichlorobenzene	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,4-Dichlorobenzene	75	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichlorobenzene	600	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,2-Dibromo-3-chloropropane	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	70	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
1,2,3-Trichlorobenzene	NS	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U

**Notes:**

RST 3 - Removal Support Team 3

TCL - Target Compound List

VOC - Volatile Organic Compound

J - Estimated value

U - Not detected at the indicated concentration

UJ - Not detected at the estimated concentration

R - Rejected value

NS - Not Specified

<sup>1</sup>U.S. Environmental Protection Agency (EPA) Maximum Contaminant Levels (MCLs), November 2018

All tap water analytical results and EPA MCLs reported in micrograms per liter (µg/L)

**Bold result values are detections**



**Table 2C: Validated Tap Water Analytical Results Summary Table - TCL VOCs**  
**Route 203 Site**  
**Nassau, Rensselaer County, New York**  
**March 18 through 21, 2019**

RST 3 Sample Number	EPA MCL <sup>1</sup>	P011-TW001-01	P012-TW001-01	P013-TW001-01	P014-TW001-01	P015-TW001-01	P016-TW001-01
Sampling Date		3/19/2019	3/20/2019	3/18/2019	3/19/2019	3/18/2019	3/18/2019
Sample Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
<b>TCL VOC (µg/L)</b>							
Dichlorodifluoromethane	NS	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Chloromethane	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Vinyl chloride	2	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Bromomethane	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chloroethane	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Trichlorofluoromethane	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,1-Dichloroethene	7	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Acetone	NS	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
Carbon disulfide	NS	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
Methyl Acetate	NS	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Methylene chloride	5	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
trans-1,2-Dichloroethene	100	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Methyl tert-butyl Ether	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,1-Dichloroethane	NS	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
cis-1,2-Dichloroethene	70	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2-Butanone	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Bromochloromethane	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chloroform	80.0	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,1-Trichloroethane	200	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Cyclohexane	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Carbon tetrachloride	5	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Benzene	5	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,2-Dichloroethane	5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Trichloroethene	5	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Methylcyclohexane	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichloropropane	5	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Bromodichloromethane	80.0	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
cis-1,3-Dichloropropene	NS	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
4-Methyl-2-pentanone	NS	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Toluene	1,000	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
trans-1,3-Dichloropropene	NS	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
1,1,2-Trichloroethane	5	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Tetrachloroethene	5	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
2-Hexanone	NS	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dibromochloromethane	80.0	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,2-Dibromoethane	0.05	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chlorobenzene	100	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Ethylbenzene	700	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
o-xylene	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
m/p-xylene	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Styrene	100	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Bromoform	80.0	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Isopropylbenzene	NS	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,2,2-Tetrachloroethane	NS	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,3-Dichlorobenzene	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,4-Dichlorobenzene	75	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichlorobenzene	600	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,2-Dibromo-3-chloropropane	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	70	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
1,2,3-Trichlorobenzene	NS	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U

**Notes:**

RST 3 - Removal Support Team 3

TCL - Target Compound List

VOC - Volatile Organic Compound

J - Estimated value

U - Not detected at the indicated concentration

UJ - Not detected at the estimated concentration

R - Rejected value

NS - Not Specified

<sup>1</sup>U.S. Environmental Protection Agency (EPA) Maximum Contaminant Levels (MCLs), November 2018

All tap water analytical results and EPA MCLs reported in micrograms per liter (µg/L)

**Bold result values are detections**

**Table 2C: Validated Tap Water Analytical Results Summary Table - TCL VOCs**  
**Route 203 Site**  
**Nassau, Rensselaer County, New York**  
**March 18 through 21, 2019**

RST 3 Sample Number	EPA MCL <sup>1</sup>	P017-TW001-01	P018-TW001-01	P019-TW001-01	P020-TW001-01	P021-TW001-01	P022-TW001-01
Sampling Date		3/18/2019	3/18/2019	3/20/2019	3/18/2019	3/20/2019	3/19/2019
Sample Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
<b>TCL VOC (µg/L)</b>							
Dichlorodifluoromethane	NS	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Chloromethane	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Vinyl chloride	2	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Bromomethane	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chloroethane	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Trichlorofluoromethane	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,1-Dichloroethene	7	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Acetone	NS	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
Carbon disulfide	NS	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
Methyl Acetate	NS	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Methylene chloride	5	0.09 U	0.09 U	<b>0.56</b>	0.09 U	0.09 U	0.09 U
trans-1,2-Dichloroethene	100	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Methyl tert-butyl Ether	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,1-Dichloroethane	NS	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
cis-1,2-Dichloroethene	70	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2-Butanone	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Bromochloromethane	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chloroform	80.0	0.11 U	<b>0.81</b>	0.11 U	0.11 U	0.11 U	0.11 U
1,1,1-Trichloroethane	200	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Cyclohexane	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Carbon tetrachloride	5	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Benzene	5	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,2-Dichloroethane	5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Trichloroethene	5	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	<b>0.54</b>
Methylcyclohexane	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichloropropane	5	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Bromodichloromethane	80.0	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
cis-1,3-Dichloropropene	NS	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
4-Methyl-2-pentanone	NS	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Toluene	1,000	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
trans-1,3-Dichloropropene	NS	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
1,1,2-Trichloroethane	5	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Tetrachloroethene	5	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
2-Hexanone	NS	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dibromochloromethane	80.0	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,2-Dibromoethane	0.05	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chlorobenzene	100	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Ethylbenzene	700	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
o-xylene	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
m/p-xylene	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Styrene	100	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Bromoform	80.0	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Isopropylbenzene	NS	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,2,2-Tetrachloroethane	NS	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,3-Dichlorobenzene	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,4-Dichlorobenzene	75	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichlorobenzene	600	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,2-Dibromo-3-chloropropane	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	70	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
1,2,3-Trichlorobenzene	NS	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U

**Notes:**

RST 3 - Removal Support Team 3

TCL - Target Compound List

VOC - Volatile Organic Compound

J - Estimated value

U - Not detected at the indicated concentration

UJ - Not detected at the estimated concentration

R - Rejected value

NS - Not Specified

<sup>1</sup>U.S. Environmental Protection Agency (EPA) Maximum Contaminant Levels (MCLs), November 2018

All tap water analytical results and EPA MCLs reported in micrograms per liter (µg/L)

**Bold result values are detections**

**Table 2C: Validated Tap Water Analytical Results Summary Table - TCL VOCs**  
**Route 203 Site**  
**Nassau, Rensselaer County, New York**  
**March 18 through 21, 2019**

RST 3 Sample Number	EPA MCL <sup>1</sup>	P023-TW001-01	P024-TW001-01	P024-TW002-01	P025-TW001-01	Village-Well02-01
Sampling Date		3/19/2019	3/18/2019	3/18/2019	3/18/2019	3/21/2019
Sample Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
<b>TCL VOC (µg/L)</b>						
Dichlorodifluoromethane	NS	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Chloromethane	NS	0.08 U	0.08 U	0.08 U	0.08 U	<b>0.39 J</b>
Vinyl chloride	2	0.09 U	0.09 U	0.09 U	0.09 U	R
Bromomethane	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chloroethane	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Trichlorofluoromethane	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,1-Dichloroethene	7	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Acetone	NS	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
Carbon disulfide	NS	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
Methyl Acetate	NS	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Methylene chloride	5	0.09 U	0.09 U	0.09 U	0.09 U	<b>0.26 J</b>
trans-1,2-Dichloroethene	100	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Methyl tert-butyl Ether	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,1-Dichloroethane	NS	0.09 U	0.09 U	0.09 U	0.09 U	0.09 UJ
cis-1,2-Dichloroethene	70	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2-Butanone	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Bromochloromethane	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chloroform	80.0	0.11 U	<b>0.8</b>	<b>0.79</b>	<b>0.94</b>	0.11 U
1,1,1-Trichloroethane	200	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Cyclohexane	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Carbon tetrachloride	5	0.08 U	0.08 U	0.08 U	0.08 U	<b>0.25 J</b>
Benzene	5	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,2-Dichloroethane	5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Trichloroethene	5	<b>1.2</b>	0.09 U	0.09 U	0.09 U	0.09 UJ
Methylcyclohexane	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichloropropane	5	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Bromodichloromethane	80.0	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
cis-1,3-Dichloropropene	NS	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
4-Methyl-2-pentanone	NS	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Toluene	1,000	0.09 U	0.09 U	0.09 U	0.09 U	0.09 UJ
trans-1,3-Dichloropropene	NS	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
1,1,2-Trichloroethane	5	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Tetrachloroethene	5	0.08 U	0.08 U	0.08 U	0.08 U	0.08 UJ
2-Hexanone	NS	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dibromochloromethane	80.0	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,2-Dibromoethane	0.05	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chlorobenzene	100	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Ethylbenzene	700	0.08 U	0.08 U	0.08 U	0.08 U	0.08 UJ
o-xylene	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ
m/p-xylene	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ
Styrene	100	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ
Bromoform	80.0	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Isopropylbenzene	NS	0.11 U	0.11 U	0.11 U	0.11 U	0.11 UJ
1,1,2,2-Tetrachloroethane	NS	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,3-Dichlorobenzene	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,4-Dichlorobenzene	75	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichlorobenzene	600	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,2-Dibromo-3-chloropropane	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	70	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
1,2,3-Trichlorobenzene	NS	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U

**Notes:**

RST 3 - Removal Support Team 3

TCL - Target Compound List

VOC - Volatile Organic Compound

J - Estimated value

U - Not detected at the indicated concentration

UJ - Not detected at the estimated concentration

R - Rejected value

NS - Not Specified

<sup>1</sup>U.S. Environmental Protection Agency (EPA) Maximum Contaminant Levels (MCLs), November 2018

All tap water analytical results and EPA MCLs reported in micrograms per liter (µg/L)

**Bold result values are detections**



## **Attachment C**

Photographic Documentation Log

Photographic Documentation Log  
Route 203 Site  
Nassau, Rensselaer County, New York  
March 18 through 21, 2019



**Photograph 1:** The U.S. Environmental Protection Agency Region II (EPA) and Weston Solutions, Inc., Removal Support Team 3 (RST 3) performed tap water sampling of 27 groundwater wells situated on 25 properties, including 24 residential properties located adjacent to Route 203 Site (the Site) and one well located in the downtown area of the Village of Nassau. Above is a view of a water softener system which was bypassed at residential Property P002. As part of the sampling protocol, treatment systems if present, were bypassed for sample collection.



**Photograph 2:** View of tap water sample collected by RST 3 personnel for target compound list (TCL) volatile organic compound (VOC) analysis. Tap water samples were also collected for TCL semivolatile organic compounds (SVOCs), and polychlorinated biphenyls (PCBs).

## **Attachment D**

Chains of Custody Records

K2049

USEPA

Date Shipped: 3/20/2019  
 Carrier Name: FedEx  
 Airbill No: 7747-4859-3040

CHAIN OF CUSTODY RECORD

Site #: 526  
 Contact Name: Michael Lang  
 Contact Phone: 908-565-2974

No: 2-031919-0370-0083-0001

Cooler # 76  
 Lab: Chemtech Consulting Group  
 Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P002-TW001-01	P002-TW001	TCL VOCs	Potable Water	3/18/2019	14:25	3	40 mL VOA	4 C, HCl pH<2	Y
	P002-TW001-01	P002-TW001	TCL SVOCs	Potable Water	3/18/2019	14:25	2	1 liter amber	4 C	Y
	P002-TW001-01	P002-TW001	TCL PCBs	Potable Water	3/18/2019	14:25	6	1 liter amber	4 C	Y
	P002-TW001-02	P002-TW001	TCL VOCs	Potable Water	3/18/2019	14:25	3	40 mL VOA	4 C, HCl pH<2	N
	P002-TW001-02	P002-TW001	TCL SVOCs	Potable Water	3/18/2019	14:25	2	1 liter amber	4 C	N
	P002-TW001-02	P002-TW001	TCL PCBs	Potable Water	3/18/2019	14:25	2	1 liter amber	4 C	N
	P003-TW001-01	P003-TW001	TCL PCBs	Potable Water	3/18/2019	14:59	2	1 liter amber	4 C	N
	P003-TW001-01	P003-TW001	TCL VOCs	Potable Water	3/18/2019	14:59	3	40 mL VOA	4 C, HCl pH<2	N
	P003-TW001-01	P003-TW001	TCL SVOCs	Potable Water	3/18/2019	14:59	2	1 liter amber	4 C	N
	P005-TW001-01	P005-TW001	TCL PCBs	Potable Water	3/18/2019	17:11	2	1 liter amber	4 C	N
	P005-TW001-01	P005-TW001	TCL VOCs	Potable Water	3/18/2019	17:11	3	40 mL VOA	4 C, HCl pH<2	N
	P005-TW001-01	P005-TW001	TCL SVOCs	Potable Water	3/18/2019	17:11	2	1 liter amber	4 C	N
	P006-TW001-01	P006-TW001	TCL PCBs	Potable Water	3/18/2019	18:12	2	1 liter amber	4 C	N
	P006-TW001-01	P006-TW001	TCL VOCs	Potable Water	3/18/2019	18:12	3	40 mL VOA	4 C, HCl pH<2	N
	P006-TW001-01	P006-TW001	TCL SVOCs	Potable Water	3/18/2019	18:12	2	1 liter amber	4 C	N
	P009-TW001-01	P009-TW001	TCL PCBs	Potable Water	3/18/2019	15:31	2	1 liter amber	4 C	N
	P009-TW001-01	P009-TW001	TCL VOCs	Potable Water	3/18/2019	15:31	3	40 mL VOA	4 C, HCl pH<2	N
	P009-TW001-01	P009-TW001	TCL SVOCs	Potable Water	3/18/2019	15:31	2	1 liter amber	4 C	N
	P013-TW001-01	P013-TW001	TCL PCBs	Potable Water	3/18/2019	16:05	2	1 liter amber	4 C	N

NO TAGS

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analytes	<i>[Signature]</i> - Weston RSTB	3/20/2019 1600	<i>[Signature]</i>	3-21-19 9:30	IR-Gun #1 2.4



USEPA

Date Shipped: 3/20/2019  
 Carrier Name: FedEx  
 Airbill No: 7747-4859-3040

CHAIN OF CUSTODY RECORD

Site #: 526  
 Contact Name: Michael Lang  
 Contact Phone: 908-565-2974

No: 2-031919-0370-0083-0001

Cooler #: 76  
 Lab: Chemtech Consulting Group  
 Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P013-TW001-01	P013-TW001	TCL VOCs	Potable Water	3/18/2019	16:05	3	40 mL VOA	4 C, HCl pH<2	N
	P013-TW001-01	P013-TW001	TCL SVOCs	Potable Water	3/18/2019	16:05	2	1 liter amber	4 C	N
	P015-TW001-01	P015-TW001	TCL PCBs	Potable Water	3/18/2019	16:24	2	1 liter amber	4 C	N
	P015-TW001-01	P015-TW001	TCL VOCs	Potable Water	3/18/2019	16:24	3	40 mL VOA	4 C, HCl pH<2	N
	P015-TW001-01	P015-TW001	TCL SVOCs	Potable Water	3/18/2019	16:24	2	1 liter amber	4 C	N
	P016-TW001-01	P016-TW001	TCL PCBs	Potable Water	3/18/2019	15:52	2	1 liter amber	4 C	N
	P016-TW001-01	P016-TW001	TCL VOCs	Potable Water	3/18/2019	15:52	3	40 mL VOA	4 C, HCl pH<2	N
	P016-TW001-01	P016-TW001	TCL SVOCs	Potable Water	3/18/2019	15:52	2	1 liter amber	4 C	N
	P017-TW001-01	P017-TW001	TCL PCBs	Potable Water	3/18/2019	15:15	2	1 liter amber	4 C	N
	P017-TW001-01	P017-TW001	TCL VOCs	Potable Water	3/18/2019	15:15	3	40 mL VOA	4 C, HCl pH<2	N
	P017-TW001-01	P017-TW001	TCL SVOCs	Potable Water	3/18/2019	15:15	2	1 liter amber	4 C	N
	P018-TW001-01	P018-TW001	TCL PCBs	Potable Water	3/18/2019	18:19	2	1 liter amber	4 C	N
	P018-TW001-01	P018-TW001	TCL VOCs	Potable Water	3/18/2019	18:19	3	40 mL VOA	4 C, HCl pH<2	N
	P018-TW001-01	P018-TW001	TCL SVOCs	Potable Water	3/18/2019	18:19	2	1 liter amber	4 C	N
	P020-TW001-01	P020-TW001	TCL PCBs	Potable Water	3/18/2019	17:34	2	1 liter amber	4 C	N
	P020-TW001-01	P020-TW001	TCL VOCs	Potable Water	3/18/2019	17:34	3	40 mL VOA	4 C, HCl pH<2	N
	P020-TW001-01	P020-TW001	TCL SVOCs	Potable Water	3/18/2019	17:34	2	1 liter amber	4 C	N
	P024-TW001-01	P024-TW001	TCL VOCs	Potable Water	3/18/2019	19:05	3	40 mL VOA	4 C, HCl pH<2	N
	P024-TW001-01	P024-TW001	TCL SVOCs	Potable Water	3/18/2019	19:05	2	1 liter amber	4 C	N

NO TAGS

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples / All Analysis	<i>[Signature]</i> Weston RSTB	3/20/2019 1000	<i>[Signature]</i>	9:30 3-21-19	IR-Gem #1 2.4c

USEPA

Date Shipped: 3/20/2019  
 Carrier Name: FedEx  
 Airbill No: 7747-4859-3040

CHAIN OF CUSTODY RECORD

Site #: 526  
 Contact Name: Michael Lang  
 Contact Phone: 908-565-2974

No: 2-031919-0370-0083-0001

Cooler #: 76  
 Lab: Chemtech Consulting Group  
 Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P024-TW001-01	P024-TW001	TCL PCBs	Potable Water	3/18/2019	19:05	2	1 liter amber	4 C	N
	P024-TW002-01	P024-TW002	TCL VOCs	Potable Water	3/18/2019	19:20	3	40 mL VOA	4 C, HCl pH<2	N
	P024-TW002-01	P024-TW002	TCL SVOCs	Potable Water	3/18/2019	19:20	2	1 liter amber	4 C	N
	P024-TW002-01	P024-TW002	TCL PCBs	Potable Water	3/18/2019	19:20	2	1 liter amber	4 C	N
	P025-TW001-01	P025-TW001	TCL VOCs	Potable Water	3/18/2019	16:57	3	40 mL VOA	4 C, HCl pH<2	N
	P025-TW001-01	P025-TW001	TCL SVOCs	Potable Water	3/18/2019	16:57	2	1 liter amber	4 C	N
	P025-TW001-01	P025-TW001	TCL PCBs	Potable Water	3/18/2019	16:57	2	1 liter amber	4 C	N
	TB-190319-01	TB-190319	TCL VOCs	Potable Water	3/19/2019	20:00	3	40 mL VOA	4 C, HCl pH<2	N
<i>[Handwritten signature]</i>										

NO TAGS

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.	<b>SAMPLES TRANSFERRED FROM</b> <b>CHAIN OF CUSTODY #</b>
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Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples / All Analyses	<i>[Signature]</i> Westonsolutions	3/20/2019 10:00	<i>[Signature]</i>	9:30 3-21-19	IR Gun #1 2.4°C
<i>[Handwritten signature]</i>					



K2052

**USEPA**

DateShipped: 3/21/2019  
 CarrierName: Hand Delivered  
 AirbillNo: NA

**CHAIN OF CUSTODY RECORD**

Site #: 526  
 Contact Name: Michael Lang  
 Contact Phone: 908-565-2974

No: 2-032119-0370-0083-0001

Cooler #: 6  
 Lab: Chemtech Consulting Group  
 Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-TW001-03	P001-TW001	TCL VOCs	Potable Water	3/19/2019	10:34	3	40 mL VOA	4 C, HCl pH<2	Y
	P001-TW001-03	P001-TW001	TCL SVOCs	Potable Water	3/19/2019	10:34	2	1 liter amber	4 C	Y
	P001-TW001-03	P001-TW001	TCL PCBs	Potable Water	3/19/2019	10:34	6	1 liter amber	4 C	Y
	P001-TW001-04	P001-TW001	TCL VOCs	Potable Water	3/19/2019	10:34	3	40 mL VOA	4 C, HCl pH<2	N
	P001-TW001-04	P001-TW001	TCL SVOCs	Potable Water	3/19/2019	10:34	2	1 liter amber	4 C	N
	P001-TW001-04	P001-TW001	TCL PCBs	Potable Water	3/19/2019	10:34	2	1 liter amber	4 C	N
	P001-TW002-02	P001-TW002	TCL VOCs	Potable Water	3/19/2019	11:00	3	40 mL VOA	4 C, HCl pH<2	N
	P001-TW002-02	P001-TW002	TCL SVOCs	Potable Water	3/19/2019	11:00	2	1 liter amber	4 C	N
	P001-TW002-02	P001-TW002	TCL PCBs	Potable Water	3/19/2019	11:00	2	1 liter amber	4 C	N
	P004-TW001-01	P004-TW001	TCL PCBs	Potable Water	3/19/2019	18:20	2	1 liter amber	4 C	N
	P004-TW001-01	P004-TW001	TCL VOCs	Potable Water	3/19/2019	18:20	3	40 mL VOA	4 C, HCl pH<2	N
	P004-TW001-01	P004-TW001	TCL SVOCs	Potable Water	3/19/2019	18:20	2	1 liter amber	4 C	N
	P007-TW001-01	P007-TW001	TCL PCBs	Potable Water	3/19/2019	18:24	2	1 liter amber	4 C	N
	P007-TW001-01	P007-TW001	TCL VOCs	Potable Water	3/19/2019	18:24	3	40 mL VOA	4 C, HCl pH<2	N
	P007-TW001-01	P007-TW001	TCL SVOCs	Potable Water	3/19/2019	18:24	2	1 liter amber	4 C	N
	P010-TW001-01	P010-TW001	TCL PCBs	Potable Water	3/20/2019	13:05	2	1 liter amber	4 C	N
	P010-TW001-01	P010-TW001	TCL VOCs	Potable Water	3/20/2019	13:05	3	40 mL VOA	4 C, HCl pH<2	N
	P010-TW001-01	P010-TW001	TCL SVOCs	Potable Water	3/20/2019	13:05	2	1 liter amber	4 C	N
	P011-TW001-01	P011-TW001	TCL PCBs	Potable Water	3/19/2019	19:45	2	1 liter amber	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.	<b>SAMPLES TRANSFERRED FROM</b>
	<b>CHAIN OF CUSTODY #</b>

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples / All Analyses	<i>[Signature]</i> - Weston RST3	3/21/2019 1200	<i>[Signature]</i>	1350 3-21-19	FR-Coun # 7 3.1



K2052

USEPA

Date Shipped: 3/21/2019  
 Carrier Name: Hand Delivered  
 Airbill No: NA

CHAIN OF CUSTODY RECORD

Site #: 526  
 Contact Name: Michael Lang  
 Contact Phone: 908-565-2974

No: 2-032119-0370-0083-0001

Cooler #: 6  
 Lab: Chemtech Consulting Group  
 Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P011-TW001-01	P011-TW001	TCL VOCs	Potable Water	3/19/2019	19:45	3	40 mL VOA	4 C, HCl pH<2	N
	P011-TW001-01	P011-TW001	TCL SVOCs	Potable Water	3/19/2019	19:45	2	1 liter amber	4 C	N
	P012-TW001-01	P012-TW001	TCL PCBs	Potable Water	3/20/2019	17:00	2	1 liter amber	4 C	N
	P012-TW001-01	P012-TW001	TCL VOCs	Potable Water	3/20/2019	17:00	3	40 mL VOA	4 C, HCl pH<2	N
	P012-TW001-01	P012-TW001	TCL SVOCs	Potable Water	3/20/2019	17:00	2	1 liter amber	4 C	N
	P014-TW001-01	P014-TW001	TCL PCBs	Potable Water	3/19/2019	17:45	2	1 liter amber	4 C	N
	P014-TW001-01	P014-TW001	TCL VOCs	Potable Water	3/19/2019	17:45	3	40 mL VOA	4 C, HCl pH<2	N
	P014-TW001-01	P014-TW001	TCL SVOCs	Potable Water	3/19/2019	17:45	2	1 liter amber	4 C	N
	P019-TW001-01	P019-TW001	TCL PCBs	Potable Water	3/20/2019	16:26	2	1 liter amber	4 C	N
	P019-TW001-01	P019-TW001	TCL VOCs	Potable Water	3/20/2019	16:26	3	40 mL VOA	4 C, HCl pH<2	N
	P019-TW001-01	P019-TW001	TCL SVOCs	Potable Water	3/20/2019	16:26	2	1 liter amber	4 C	N
	P021-TW001-01	P021-TW001	TCL PCBs	Potable Water	3/20/2019	12:26	2	1 liter amber	4 C	N
	P021-TW001-01	P021-TW001	TCL VOCs	Potable Water	3/20/2019	12:26	3	40 mL VOA	4 C, HCl pH<2	N
	P021-TW001-01	P021-TW001	TCL SVOCs	Potable Water	3/20/2019	12:26	2	1 liter amber	4 C	N
	P022-TW001-01	P022-TW001	TCL VOCs	Potable Water	3/19/2019	14:25	3	40 mL VOA	4 C, HCl pH<2	N
	P022-TW001-01	P022-TW001	TCL SVOCs	Potable Water	3/19/2019	14:25	2	1 liter amber	4 C	N
	P022-TW001-01	P022-TW001	TCL PCBs	Potable Water	3/19/2019	14:25	2	1 liter amber	4 C	N
	P023-TW001-01	P023-TW001	TCL VOCs	Potable Water	3/19/2019	13:25	3	40 mL VOA	4 C, HCl pH<2	N
	P023-TW001-01	P023-TW001	TCL SVOCs	Potable Water	3/19/2019	13:25	2	1 liter amber	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.	<b>SAMPLES TRANSFERRED FROM</b>
	<b>CHAIN OF CUSTODY #</b>

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples/ All Analyses	<i>[Signature]</i> - Weston RSTB	3/21/2019 12:00	<i>[Signature]</i>	13:50 3-21-19	FR Gen #1 3.1



K2052

USEPA

DateShipped: 3/21/2019  
CarrierName: Hand Delivered  
AirbillNo: NA

CHAIN OF CUSTODY RECORD

Site #: 526  
Contact Name: Michael Lang  
Contact Phone: 908-565-2974

No: 2-032119-0370-0083-0001

Cooler #: 6  
Lab: Chemtech Consulting Group  
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P023-TW001-01	P023-TW001	TCL PCBs	Potable Water	3/19/2019	13:25	2	1 liter amber	4 C	N
	TB-190320-01	TB-190320	TCL VOCs	Potable Water	3/20/2019	14:00	3	40 mL VOA	4 C, HCl pH<2	N
	Village-Well02-01	Village-Well02	TCL PCBs	Potable Water	3/21/2019	09:20	2	1 liter amber	4 C	N
	Village-Well02-01	Village-Well02	TCL VOCs	Potable Water	3/21/2019	09:20	3	40 mL VOA	4 C, HCl pH<2	N
	Village-Well02-01	Village-Well02	TCL SVOCs	Potable Water	3/21/2019	09:20	2	1 liter amber	4 C	N
<i>[Large handwritten signature]</i>										

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.	<b>SAMPLES TRANSFERRED FROM</b> <b>CHAIN OF CUSTODY #</b>
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Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples / All Analyses	<i>[Signature]</i>	3/20/2019 1200	<i>[Signature]</i>	13:50 3-21-19	FRAN #1 3.1K

## **Attachment E**

Validated Laboratory Analytical Data



Weston Solutions, Inc.  
 Suite 201  
 1090 King Georges Post Road  
 Edison, New Jersey 08837-3703  
 732-585-4400 • Fax: 732-225-7037  
 www.westonsolutions.com

*The Trusted Integrator for Sustainable Solutions*

REMOVAL SUPPORT TEAM 3  
 EPA CONTRACT EP-S2-14-01

RST 3-05-F-0079

**TRANSMITTAL MEMO**

To: Mr. David Rosoff, On-Scene Coordinator  
 Removal Action Branch  
 U.S. EPA, Region II

From: Smita Sumbaly, Data Reviewer  
 RST 3, Region II

Subject: Route 203 Site  
 Data Validation Assessment

Date: April 23, 2019

The purpose of this memo is to transmit the following information:

- Data validation results for the following parameters:
 

TCL VOCs	31 Samples
TCL SVOCs, PCBs	29 Samples
- Matrices and Number of Samples
 

Potable Water	29 Samples
Trip Blanks	2 Samples
- Sampling Dates: March 18 through 21, 2019

The final data assessment narrative and original analytical data package are attached.

cc: RST 3 SPM: Michael Lang  
 RST 3 SITE FILE TDD #: TO-0370-0083  
 RST 3 ANALYTICAL TDD #: TO-0370-0113  
 TASK#: 5113





U.S. ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

DATE: April 23, 2019

TO: Mr. David Rosoff, On-Scene Coordinator  
U.S. EPA, Region II

FROM: Smita Sumbaly  
RST 3 Data Review Team

SUBJECT: QA/QC Compliance Review Summary

As requested quality control and performance measures for the data packages noted have been examined and compared to the U.S. Environmental Protection Agency (EPA) standards for compliance. Measures for the following general areas were evaluated as applicable:

Data Completeness	Holding Time
Instrument Tuning	Calibration, Initial
Internal Standard	Calibration, Continuing
Blanks	Laboratory Control Sample
Surrogate Recovery	Sample Quantification
Compound Identification	

Any statistical measures used to support the following conclusions are attached so that the information may be reviewed by others.

Summary of Results

	<u>I</u> <u>TCL VOC</u>	<u>II</u> <u>TCL SVOC</u>	<u>III</u> <u>TCL PCB</u>
Acceptable as Submitted	___	___	<u>_X_</u>
Acceptable with Comments	<u>_X_</u>	<u>_X_</u>	___
Unacceptable, Action Pending	___	___	___
Unacceptable	<u>_X*</u>	___	___

Data Reviewed by: Smita Sumbaly  Date: 4/23/2019

Approved By:  Date: 4/23/2019

Area Code/Phone No.: (732) 585-4410

## NARRATIVE

RFP# 526/TASK No.: 5113

**SITE NAME:** Route 203 Site  
5225-5239 Route 203  
Nassau, Rensselaer County  
New York

**Laboratory Name:** Chemtech Consulting Group, 284 Sheffield Street, Mountainside, New Jersey  
07092.

### INTRODUCTION:

The laboratory's portion of this case consisted of 29 potable water samples and two trip blanks for Target Compound List (TCL) Volatile Organic Compounds (VOCs), TCL Semivolatile Organic Compounds (SVOCs), and TCL Polychlorinated Biphenyls (PCBs). All samples were collected from March 18 through 21, 2019. The Chemtech Consulting Group Numbers are K2049, K2052, K2064, and K2073.

The laboratory reported no problem(s) with the receipt of these samples.

The laboratory reported no problems with the analyses of TCL VOCs, SVOCs, and PCBs.

The evaluator has commented on the criteria specified under each fraction heading. All criteria have been assessed, but no discussion is given where the evaluator has determined that criteria were adequately performed or require no comment. Details relevant to these comments are given on the following forms.

Appropriate Form Is and chain of custody have been copied from the original data package and appended to the data assessment narrative for reference.

### Organic:

<u>Y</u> Holding Time	<u>Y</u> Instrument Tuning
<u>Y</u> Calibration, Initial	<u>Y</u> Internal Standard Response
<u>Y</u> Calibration, Continuing	<u>Y</u> Surrogate Recovery
<u>Y</u> Blanks	<u>Y</u> MS/MSD
<u>Y</u> Laboratory Control Sample	<u>Y</u> Compound Identification/Quantification
<u>Y</u> Field Duplicate	<u>Y</u> Data Completeness

VOCs: \*The non-detected results for vinyl chloride of VOCs was rejected due to low DMC/surrogate recovery. Refer to data assessment report.

## REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site      SDG No.: K2049LAB: Chemtech Consulting Group, Mountainside, New JerseyANALYSIS: Volatile Organic Compounds (VOCs), Semivolatile Organic Compounds (SVOCs), and Polychlorinated Biphenyls (PCBs).No. of Samples/Matrix: 15/Potable Water & 1/Trip BlankCONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency (EPA) Region II data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
VOCs	CLP SOW SOM02.4	No. HW-34A (Revision 1), September 2016
SVOCs	CLP SOW SOM02.4	No. HW-35A (Revision 1), September 2016
PCBs	CLP SOW SOM02.4	No. HW-37A (Revision 0), June 2015

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer

Signature: Smita Sumbaly Date: 4/23/2019Verified By: Date: 4/23/2019



On March 18 and 19, 2019, EPA Region II and RST 3 personnel collected 15 potable water samples for TCL VOCs, TCL SVOCs, and TCL PCBs, analyses; and one trip blank for TCL VOCs analysis. All the samples were collected from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were hand-delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample cooler temperature measured 2.4 Degrees Celsius (°C).

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
<b>SDG K2049</b>				
P002-TW001-01	K2049-01	Potable Water	TCL VOCs, SVOC, and PCB	3/18/2019
P002-TW001-02 <sup>1</sup>	K2049-04	Potable Water	TCL VOCs, SVOC, and PCB	3/18/2019
P003-TW001-01	K2049-05	Potable Water	TCL VOCs, SVOC, and PCB	3/18/2019
P005-TW001-01	K2049-06	Potable Water	TCL VOCs, SVOC, and PCB	3/18/2019
P006-TW001-01	K2049-07	Potable Water	TCL VOCs, SVOC, and PCB	3/18/2019
P009-TW001-01	K2049-08	Potable Water	TCL VOCs, SVOC, and PCB	3/18/2019
P013-TW001-01	K2049-09	Potable Water	TCL VOCs, SVOC, and PCB	3/18/2019
P015-TW001-01	K2049-10	Potable Water	TCL VOCs, SVOC, and PCB	3/18/2019
P016-TW001-01	K2049-11	Potable Water	TCL VOCs, SVOC, and PCB	3/18/2019
P017-TW001-01	K2049-12	Potable Water	TCL VOCs, SVOC, and PCB	3/18/2019
P018-TW001-01	K2049-13	Potable Water	TCL VOCs, SVOC, and PCB	3/18/2019
P020-TW001-01	K2049-14	Potable Water	TCL VOCs, SVOC, and PCB	3/18/2019
P024-TW001-01	K2049-15	Potable Water	TCL VOCs, SVOC, and PCB	3/18/2019
P024-TW002-01	K2049-16	Potable Water	TCL VOCs, SVOC, and PCB	3/18/2019
P025-TW001-01	K2049-17	Potable Water	TCL VOCs, SVOC, and PCB	3/18/2019
TB-190319-01	K2049-18	Potable Water	TCL VOCs, SVOC, and PCB	3/19/2019
<sup>1</sup> A field duplicate of sample P002-TW001-01				

## DATA ASSESSMENT

### ANALYSIS: TVOA

The current SOP HW-34A (Revision 1) September 2016, USEPA Region II for the evaluation of trace volatile organic data generated through Statement of Work SOM02.2, and any future editorial revisions of SOM02.2 has been applied. Data have been reviewed according to the National Functional Guidelines Report. Tentatively Identified Compounds (TICs) for TVOA organic fraction is not validated.

#### 1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as unusable, "R". Use professional judgment to qualify detects and non-detects for aqueous sample whose temperature is above 6 degree or below 2 degree C. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

**2. DEUTERATED MONITORING COMPOUNDS (DMC's)**

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of the SOP HW 34A (Rev 1), qualifications were applied as per Table 7 of the SOP HW 34A (Rev 1) to all the samples and analytes as shown below.

The following samples have one or more DMC/surrogate recovery values less than the expanded minimum criteria. Detected compounds are qualified J-. Non-detected compounds are qualified R.

No problems were found for this criterion.

**3. MATRIX SPIKE/ MATRIX SPIKE DUPLICATE (MS/MSD) RECOVERY:**

MS/MSD data is generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data.

Sample P002-TW001-01 was used for MS/MSD analyses. The relative percent differences (RPD's) exceeded the laboratory control limits for 1,1-dichloroethene, benzene, trichloroethene, toluene, and chlorobenzene. Since, these compounds were not detected in sample P002-TW001-01, no action was required.

**4. BLANK CONTAMINATION:**

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-34A (Rev 1).

**A) Method blank contamination:**

No problems were found for this criterion.

**B) Field or rinse blank contamination:**

Not applicable.

**C) Trip blank contamination:**

No problems were found for this criterion.

**D) Storage Blank associated with VOA samples only:**

No problems were found for this criterion.

**E) Tentatively Identified Compounds:**

No problems were found for this criterion.

**5. MASS SPECTROMETER TUNING:**

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity.

These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is Bromofluorobenzene (BFB). If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

**6. CALIBRATION:**

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

**A) Response Factor Gas chromatography/mass spectrometry (GC/MS):**

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial calibration, Initial Calibration Verification (ICV) and continuing calibration should meet the minimum relative response factor (RRF) criteria as listed in Table 2 of SOP HW 34A (Rev 1). If RRF is less than minimum RRF specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

**B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):**

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean RRF from the initial calibration.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW 34A (Rev 1) for all target analytes. For the ICV/opening or closing continuing calibration verification (CCV) %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW 34A (Rev 1) for all Target compounds. A value outside of these limits



indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

#### **7. INTERNAL STANDARDS PERFORMANCE GC/MS:**

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 9 of SOP HW 34A (Rev 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 9 of SOP HW 34A (Rev 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 9 of SOP HW 34A (Rev 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

#### **8. FIELD DUPLICATES:**

Sample P001-TW003-03 and its field duplicate P001-TW001-04 were collected and analyzed as an overall indication of precision. This analysis measures both field and laboratory precision. A control limit of 50% for the RPD was used for original and duplicate sample values. For field duplicate analysis that did not meet the technical criteria, the action was applied to only the field sample and its duplicate.

VOCs were not detected in sample P002-TW001-01 and its field duplicate P002-TW001-02. No qualification was required.

#### **9. COMPOUND IDENTIFICATION:**

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the TIC the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

**10. CONTRACT PROBLEMS NON-COMPLIANCE:**

None

**11. FIELD DOCUMENTATION:**

No problems were identified.

**12. OTHER PROBLEMS:**

None.

**13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:**

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and electronic data deliverable (EDD) for applicable samples and analytes.

None

**ANALYSIS: SVOC**

The current SOP HW-35A (Revision 1) September 2016, USEPA Region II for the evaluation of semi-volatile organic data generated through Statement of Work SOM02.2 and National Functional Guidelines for Superfund Organic Methods Data Review, September 2015 (based on SOW02.4) were followed for data qualifications. TICs for SVOC organic fraction are not validated.

**1. HOLDING TIME:**

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded, qualifications will be applied as per SOP HW-35A (Rev 0).

No problems were found for this criterion.

**2. DEUTERATED MONITORING COMPOUNDS (DMCs)**

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of SOP HW-35A (Revision 0), qualifications were applied as per Table 7 of SOP HW-35A (Revision 0) to the samples and analytes as shown below.

The following sample analyses have DMC/surrogate percent recoveries less than the primary minimum criteria and less than the expanded minimum criteria. Detects are qualified J- Non-detects are qualified UJ.

**4-Chloroaniline-d4:** P002-TW001-01, P005-TW001-01, P006-TW001-01, P009-TW001-01, P017-TW001-01, P018-TW001-01, P020-TW001-01, P024-TW001-01, and P024-TW002-01  
4-Chloroaniline, Hexachlorocyclopentadiene, and 3'3-Dichlorobenzidiene

**4-Nitrophenol-d4:** P009-TW001-01, P013-TW001-01, P015-TW001-01, P016-TW001-01, P017-TW001-01, P024-TW001-01, and P024-TW002-01  
2-Nitroaniline, 3-Nitroaniline, 2,4-Dinitrophenol, 4-Nitrophenol, and 4-Nitroaniline

### **3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):**

**MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.**

No problems were found for this criterion.

### **4. BLANK CONTAMINATION:**

**Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-35A (Rev 0).**

#### **A) Method blank contamination:**

No problems were found for this criterion.

#### **B) Field or rinse blank contamination:**

No problems were found for this criterion.

#### **C) Tentatively Identified Compounds (TICs):**

Section 9 for details of qualifiers applied to quantitated results for TICs.

### **5. MASS SPECTROMETER TUNING:**

**Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for Semi-volatiles is Decafluorotriphenyl-phosphine (DFTPP). If the mass calibration is in error, all associated data will be classified as unusable "R".**

No problems were found for this criterion.

**6. CALIBRATION:**

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

**A) Response Factor GC/MS:**

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW-35A (Rev 0). If RRF is less than minimum RRF as specified in Table 2 for all target analytes, use professional judgment to qualify those detects in the sample as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

**B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):**

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent difference compares the response factor of the CCV to the mean RRF from the initial calibration. Percent difference is a measure of the instrument's daily performance. Percent RSD must be less than maximum %RSD in Table 2 of SOP HW-35A (Rev 0) for all target analytes. For the opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW-35A (Rev 0) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

2-Nitroaniline in the initial calibration exceeded the maximum %RSD; since this analyte was not detected in the associated samples, data qualification was not applied.

**7. INTERNAL STANDARDS PERFORMANCE GC/MS:**

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 10 of SOP HW-35A (Rev 0) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 10 of SOP HW-35A (Rev 0). If the area count is greater than the upper control limit, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the expanded lower control limit, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 10 of SOP HW-35A (Rev 0), the reviewer will use professional judgment to determine either partial or



total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

**8. FIELD DUPLICATES:**

Sample P001-TW003-03 and its field duplicate P001-TW001-04 were collected and analyzed as an overall indication of precision. This analysis measures both field and laboratory precision. A control limit of 50% for the RPD was used for original and duplicate sample values. For field duplicate analysis that did not meet the technical criteria, the action was applied to only the field sample and its duplicate.

SVOCs were not detected in sample P002-TW001-01 and its field duplicate P002-TW001-02. No qualification was required.

**9. COMPOUND IDENTIFICATION:**

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which have a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No qualification was required.

**10. CONTRACT PROBLEMS NON-COMPLIANCE:**

None

**11. FIELD DOCUMENTATION:**

No problems were identified.

**12. OTHER PROBLEMS:**

None

**13. DILUTIONS, RE-EXTRACTIONS and REANALYSIS:**

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report and the other report is marked as not to be used. The following Form 1(s) are not used:

None

**ANALYSIS: PCB**

The current SOP HW-37A (Revision 0) June 2015, USEPA Region II for the evaluation of PCB data generated through Statement of Work SOM02.2 and National Functional Guidelines for Superfund Organic Methods Data Review, September 2015 (based on SOW02.3) were followed for data qualifications.

**1. HOLDING TIME:**

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

**2. SURROGATES:**

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 5 of the SOP HW-37A (Revision 0), qualifications were applied to the samples and analytes as shown below.

The recoveries of surrogate compound tetrachloro-m-xylene (TCMX) exceeded the laboratory control limits in column 1 and/or 2 for the undiluted analysis of samples P002-TW001-02, P003-TW001-01, P005-TW001-01, P006-TW001-01, P009-TW001-01, P013-TW001-01, P015-TW001-01, P016-TW001-01, P017-TW001-01, P018-TW001-01, P020-TW001-01, P024-TW001-01, and P024-TW002-01. Non-detected results were not qualified based on the high surrogate recoveries.

**3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):**

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Sample P002-TW001-01 was used for MS/MSD analyses. The RPD exceeded the laboratory control limit of 20% for Aroclor-1016 and Aroclor-1260. Since target analytes were not detected in the unspiked sample; qualification of the data for non-detected results was not required for Aroclor-1016 and Aroclor-1260.

**4. Laboratory Control Samples (LCS):**

LCS data provides information on the accuracy of the analytical method and laboratory performance. If LCS recoveries fell outside of the acceptable limits, qualifications were applied to the associated samples and compounds as shown below.

No problems were found for this criterion.

**5. BLANK CONTAMINATION:**

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects U. Qualifications were applied to the samples and analytes as shown below.

**A) Method blank contamination:**

No problems were found for this criterion.

**B) Field or rinse blank contamination:**

No problems were found for this criterion.

**6. CALIBRATION:**

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

**A) Percent Relative Standard Deviation (%RSD):**

For the PCB fraction, if %RSD exceeds 20% for any analytes and the two surrogates, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

**B) Percent Difference (%D):**

For opening CCV, or closing CCV that is used as an opening CCV for the next 12-hour period, if %D exceeds 25% for analytes and the two surrogates, qualify all associated positive results "J" and non-detects "UJ". For closing CCV, if %D exceeds 50% for any analytes and the two surrogates, qualify all associated positive results "J" and non-detects "UJ". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

**7. FIELD DUPLICATES:**

Sample P001-TW003-03 and its field duplicate P001-TW001-04 were collected and analyzed as an overall indication of precision. This analysis measures both field and laboratory precision. A control limit of 50% for the RPD was used for original and duplicate sample values. For field duplicate analysis that did not meet the technical criteria, the action was applied to only the field sample and its duplicate.

PCBs were not detected in sample P002-TW001-01 and its field duplicate P002-TW001-02.

**8. COMPOUND IDENTIFICATION:**

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns. A GC/MS confirmation is required if the concentrations for both analytical columns are  $\geq 10$  ug/mL in the final sample extract. If target compounds were detected on both GC columns, and the percent difference between the two results is greater than 25.0%, qualify the data according to the guidelines in Table 14 of the SOP HW-36A (Revision 0). Qualifications were applied to the samples and analytes as shown below.

TCL PCBs were not detected in any samples.

**9. CONTRACT PROBLEMS NON-COMPLIANCE:**

No problems were identified.

**10. FIELD DOCUMENTATION:**

No problems were identified.

**11. OTHER PROBLEMS:**

None

**12. DILUTIONS, RE-EXTRACTIONS & RE-ANALYSIS:**

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report and the other report is marked as not to be used. The following Form 1(s) are not used:

None



the 1990s, the number of people with a mental health problem has increased in the UK (Mental Health Act 1983, 1990).

There is a growing awareness of the need to improve the lives of people with mental health problems. The Department of Health (1999) has set out a vision of a new mental health system, which will be based on the following principles:

- People with mental health problems should be treated as individuals, with their own needs and wishes.
- People with mental health problems should be given the opportunity to participate in decisions about their care and treatment.
- People with mental health problems should be given the opportunity to live in their own homes and communities.

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- People with mental health problems should be treated as individuals, with their own needs and wishes.
- People with mental health problems should be given the opportunity to participate in decisions about their care and treatment.
- People with mental health problems should be given the opportunity to live in their own homes and communities.

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- People with mental health problems should be treated as individuals, with their own needs and wishes.
- People with mental health problems should be given the opportunity to participate in decisions about their care and treatment.
- People with mental health problems should be given the opportunity to live in their own homes and communities.

## OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: March 18, 2019

Matrix	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
Field Sample ID	P002-TW001-01	P002-TW001-02 <sup>1</sup>	P003-TW001-01	P005-TW001-01	P006-TW001-01
Lab Sample ID	K2049-01	K2049-04	K2049-05	K2049-06	K2049-07
Sample weight/Volume (mL)	25 mL	25 mL	25 mL	25 mL	25 mL
Dilution Factor	1	1	1	1	1
<b>Volatile Organic Compounds (ug/L)</b>					
Dichlorodifluoromethane	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Chloromethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Vinyl chloride	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Bromomethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chloroethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Trichlorofluoromethane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,1-Dichloroethene	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Acetone	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
Carbon disulfide	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
Methyl Acetate	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Methylene chloride	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
trans-1,2-Dichloroethene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Methyl tert-butyl Ether	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,1-Dichloroethane	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
cis-1,2-Dichloroethane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2-Butanone	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Bromochloromethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chloroform	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,1-Trichloroethane	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Cyclohexane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Carbon tetrachloride	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Benzene	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,2-Dichloroethane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Trichloroethene	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Methylcyclohexane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichloropropane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Bromodichloromethane	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
cis-1,3-Dichloropropene	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
4-Methyl-2-pentanone	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Toluene	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
trans-1,3-Dichloropropene	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
1,1,2-Trichloroethane	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Tetrachloroethene	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
2-Hexanone	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dibromochloromethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,2-Dibromoethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chlorobenzene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Ethylbenzene	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
o-xylene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
m,p-xylene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Styrene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Bromoform	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Isopropylbenzene	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,2,2-Tetrachloroethane	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,3-Dichlorobenzene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,4-Dichlorobenzene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichlorobenzene	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,2-Dibromo-3-chloropropane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-trichlorobenzene	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
1,2,3-Trichlorobenzene	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U

U: Not detected at the indicated concentration.

µg/L = micrograms per Liter

<sup>1</sup>A field duplicate of P001-TW001-03

## OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: March 18, 2019

Matrix Field Sample ID Lab Sample ID Sample weight/Volume (mL) Dilution Factor	Potable Water P009-TW001-01 K2049-08 25 mL 1	Potable Water P013-TW001-01 K2049-09 25 mL 1	Potable Water P015-TW001-01 K2049-10 25 mL 1	Potable Water P016-TW001-01 K2049-11 25 mL 1	Potable Water P017-TW001-01 K2049-12 25 mL 1
<b>Volatile Organic Compounds (ug/L)</b>					
Dichlorodifluoromethane	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Chloromethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Vinyl chloride	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Bromomethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chloroethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Trichlorofluoromethane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,1-Dichloroethene	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Acetone	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
Carbon disulfide	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
Methyl Acetate	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Methylene chloride	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
trans-1,2-Dichloroethene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Methyl tert-butyl Ether	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,1-Dichloroethane	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
cis-1,2-Dichloroethene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2-Butanone	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Bromochloromethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chloroform	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,1-Trichloroethane	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Cyclohexane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Carbon tetrachloride	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Benzene	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,2-Dichloroethane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Trichloroethene	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Methylcyclohexane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichloropropane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Bromodichloromethane	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
cis-1,3-Dichloropropene	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
4-Methyl-2-pentanone	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Toluene	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
trans-1,3-Dichloropropene	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
1,1,2-Trichloroethane	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Tetrachloroethene	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
2-Hexanone	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dibromochloromethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,2-Dibromoethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chlorobenzene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Ethylbenzene	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
o-xylene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
m,p-xylene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Styrene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Bromoform	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Isopropylbenzene	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,2,2-Tetrachloroethane	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,3-Dichlorobenzene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,4-Dichlorobenzene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichlorobenzene	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,2-Dibromo-3-chloropropane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-trichlorobenzene	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
1,2,3-Trichlorobenzene	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U

U: Not detected at the indicated concentration.

µg/L = micrograms per Liter

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: March 18, 2019

Matrix Field Sample ID Lab Sample ID Sample weight/Volume (mL) Dilution Factor	Potable Water P018-TW001-01 K2049-13 25 mL 1	Potable Water P020-TW001-01 K2049-14 25 mL 1	Potable Water P024-TW001-01 K2049-15 25 mL 1	Potable Water P024-TW002-01 K2049-16 25 mL 1	Potable Water P025-TW001-01 K2049-17 25 mL 1
<b>Volatile Organic Compounds (ug/L)</b>					
Dichlorodifluoromethane	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Chloromethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Vinyl chloride	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Bromomethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chloroethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Trichlorofluoromethane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,1-Dichloroethene	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Acetone	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
Carbon disulfide	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
Methyl Acetate	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Methylene chloride	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
trans-1,2-Dichloroethene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Methyl tert-butyl Ether	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,1-Dichloroethane	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
cis-1,2-Dichloroethene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2-Butanone	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Bromochloromethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chloroform	0.81	0.11 U	0.8	0.79	0.94
1,1,1-Trichloroethane	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Cyclohexane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Carbon tetrachloride	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Benzene	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,2-Dichloroethane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Trichloroethene	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Methylcyclohexane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichloropropane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Bromodichloromethane	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
cis-1,3-Dichloropropene	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
4-Methyl-2-pentanone	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Toluene	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
trans-1,3-Dichloropropene	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
1,1,2-Trichloroethane	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Tetrachloroethene	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
2-Hexanone	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dibromochloromethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,2-Dibromoethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chlorobenzene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Ethylbenzene	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
o-xylene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
m,p-xylene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Styrene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Bromoform	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Isopropylbenzene	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,2,2-Tetrachloroethane	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,3-Dichlorobenzene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,4-Dichlorobenzene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichlorobenzene	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,2-Dibromo-3-chloropropane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-trichlorobenzene	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
1,2,3-Trichlorobenzene	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U

U: Not detected at the indicated concentration.

µg/L = micrograms per Liter

J: Estimated result.

R - Rejected



## OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: March 19, 2019

Matrix	Trip Blank
Field Sample ID	TB-190319-01
Lab Sample ID	K2049-18
Sample weight/Volume (mL)	25 mL
Dilution Factor	1
<b>Volatile Organic Compounds (ug/L)</b>	
Dichlorodifluoromethane	0.11 U
Chloromethane	0.08 U
Vinyl chloride	0.09 U
Bromomethane	0.08 U
Chloroethane	0.08 U
Trichlorofluoromethane	0.1 U
1,1-Dichloroethene	0.11 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.11 U
Acetone	0.96 U
Carbon disulfide	0.07 U
Methyl Acetate	0.14 U
Methylene chloride	0.09 U
trans-1,2-Dichloroethene	0.1 U
Methyl tert-butyl Ether	0.08 U
1,1-Dichloroethane	0.09 U
cis-1,2-Dichloroethene	0.1 U
2-Butanone	1.1 U
Bromochloromethane	0.08 U
Chloroform	0.11 U
1,1,1-Trichloroethane	0.09 U
Cyclohexane	0.1 U
Carbon tetrachloride	0.08 U
Benzene	0.08 U
1,2-Dichloroethane	0.1 U
Trichloroethene	0.09 U
Methylcyclohexane	0.1 U
1,2-Dichloropropane	0.08 U
Bromodichloromethane	0.09 U
cis-1,3-Dichloropropene	0.12 U
4-Methyl-2-pentanone	0.54 U
Toluene	0.09 U
trans-1,3-Dichloropropene	0.07 U
1,1,2-Trichloroethane	0.09 U
Tetrachloroethene	0.08 U
2-Hexanone	0.81 U
Dibromochloromethane	0.08 U
1,2-Dibromoethane	0.08 U
Chlorobenzene	0.1 U
Ethylbenzene	0.08 U
o-xylene	0.1 U
m,p-xylene	0.1 U
Styrene	0.1 U
Bromoform	0.06 U
Isopropylbenzene	0.11 U
1,1,2,2-Tetrachloroethane	0.11 U
1,3-Dichlorobenzene	0.1 U
1,4-Dichlorobenzene	0.1 U
1,2-Dichlorobenzene	0.11 U
1,2-Dibromo-3-chloropropane	0.2 U
1,2,4-trichlorobenzene	0.06 U
1,2,3-Trichlorobenzene	0.09 U

U: Not detected at the indicated concentration.

J: Estimated result.

## Cover Page

**Order ID :** K2049**Project ID :** RFP 526**Client :** Weston Solutions, Inc.**Lab Sample Number**

K2049-01  
K2049-02  
K2049-03  
K2049-04  
K2049-05  
K2049-06  
K2049-07  
K2049-08  
K2049-09  
K2049-10  
K2049-11  
K2049-12  
K2049-13  
K2049-14  
K2049-15  
K2049-16  
K2049-17  
K2049-18  
K2049-19

**Client Sample Number**

P002-TW001-01  
P002-TW001-01MS  
P002-TW001-01MSD  
P002-TW001-02  
P003-TW001-01  
P005-TW001-01  
P006-TW001-01  
P009-TW001-01  
P013-TW001-01  
P015-TW001-01  
P016-TW001-01  
P017-TW001-01  
P018-TW001-01  
P020-TW001-01  
P024-TW001-01  
P024-TW002-01  
P025-TW001-01  
TB-190319-01  
VHBLK01

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature: *Mildred V Reyes*

**APPROVED**

Date: 4/4/2019  
By Mildred V Reyes, QAQC Supervisor at 4:08 pm, Apr 04, 2019

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

## CASE NARRATIVE

**Weston Solutions, Inc.**

**Project Name: RFP 526**

**Project # N/A**

**Chemtech Project # K2049**

**Test Name: VOC-Low Level -15**

**A. Number of Samples and Date of Receipt:**

19 Water samples were received on 03/21/2019.

**B. Parameters**

According to the Chain of Custody document, the following analyses were requested: PCB, SVOC-SIMGroup1, SVOCMS Group1 and VOC-Low Level -15. This data package contains results for VOC-Low Level -15.

**C. Analytical Techniques:**

The analysis performed on instrument MSVOA\_V were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of VOC-Low Level -15 was based on method SOM02.4\_Trace.

**D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria,

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS (P002-TW001-01MS) recoveries met the requirements for all compounds.

The MSD (P002-TW001-01MSD) recoveries met the acceptable requirements.

The RPD for did not with meet criteria. No corrective action required for failing RPD since MS/MSD is meet the criteria..

The Tuning criteria met requirements.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

The Blank analysis did not indicate the presence of lab contamination.

The storage blank did not indicate the presence of lab contamination

See Manual Integration report for the manual integration information at the end of the case narrative.

**Calculation:**

$$\text{Concentration in ug/L} = \frac{(Ax) (Is) (DF)}{(Ais) (RRF) (Vo)}$$

Where,

$A_x$  = Area of the characteristic ion (EICP) for the compound to be measured.

$A_{is}$  = Area of the characteristic ion (EICP) for the internal standard.

$I_s$  = Amount of internal standard added in ng.

RRF = Mean Relative Response Factor from the initial calibration standard.

$V_o$  = Total volume of water purged, in mL.

DF = Dilution Factor.

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature\_ *Mildred V Reyes*

**APPROVED**

By Mildred V Reyes, QAQC Supervisor at 4:07 pm, Apr 04, 2019



### DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

## APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: K2049

Completed

For thorough review, the report must have the following:

**GENERAL:**

Are all original paperwork present (chain of custody, record of communication, airbill, sample management lab chronicle, login page) ✓

Check chain-of-custody for proper relinquish/return of samples ✓

Is the chain of custody signed and complete ✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts ✓

Collect information for each project id from server. Were all requirements followed ✓

**COVER PAGE:**

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page ✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody ✓

**CHAIN OF CUSTODY:**

Do requested analyses on Chain of Custody agree with form I results ✓

Do requested analyses on Chain of Custody agree with the log-in page ✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody ✓

Were the samples received within hold time ✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle ✓

**ANALYTICAL:**

Was method requirement followed? ✓

Was client requirement followed? ✓

Does the case narrative summarize all QC failure? ✓

All runlogs and manual integration are reviewed for requirements ✓

All manual calculations and /or hand notations verified ✓

1st Level QA Review Signature: KALPANA RAYTHATTHA

Date: 04/04/2019

2nd Level QA Review Signature: *Mildred V Reyes***APPROVED**

By Mildred V Reyes, QAQC Supervisor at 4:07 pm, Apr 04, 2019

**SAMPLE**  
**DATA**

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P002-TW001-01

5

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-01  
 Lab File ID : VV009802.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

5  
2.2  
A  
B  
P002-TW001-01

Lab Name : Chemtech Consulting Group  
Lab Code: CHM Case No.: RFP 526  
Analytical Method : Trace VOA  
Matrix : Water  
Sample wt/vol : 25.0 (g/mL) : mL  
% Solids : \_\_\_\_\_  
GC Column : DB-624UI ID : 0.18 (mm)  
GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
Extract Concentrated : (Y / N) \_\_\_\_\_  
Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
Heated Purge : (Y / N) N  
Purge Volume : 25 (mL)  
Cleanup Types : \_\_\_\_\_  
Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
MA No. : \_\_\_\_\_ SDG No. : K2049  
Level : \_\_\_\_\_  
Lab Sample ID : K2049-01  
Lab File ID : VV009802.D  
Date Received : 03/21/2019  
Date Extracted : \_\_\_\_\_  
Date Analyzed : 03/21/2019  
Extract Volume : \_\_\_\_\_ (µL)  
Extraction Type : PT  
Injection Volume : \_\_\_\_\_ (µL)  
pH : 1.0 Dilution Factor : 1.0  
Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U



FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P002-TW001-01

5  
 2.2  
 A  
 B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-01  
 Lab File ID : VV009802.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P002-TW001-02

5

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-04  
 Lab File ID : VV009803.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P002-TW001-02

5

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-04  
 Lab File ID : VV009803.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P002-TW001-02

5

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-04  
 Lab File ID : VV009803.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

5  
2.2  
A  
B  
P003-TW001-01

Lab Name : Chemtech Consulting Group  
Lab Code: CHM Case No.: RFP 526  
Analytical Method : Trace VOA  
Matrix : Water  
Sample wt/vol : 25.0 (g/mL) : mL  
% Solids : \_\_\_\_\_  
GC Column : DB-624UI ID : 0.18 (mm)  
GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
Extract Concentrated : (Y / N) \_\_\_\_\_  
Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
Heated Purge : (Y / N) N  
Purge Volume : 25 (mL)  
Cleanup Types : \_\_\_\_\_  
Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
MA No. : \_\_\_\_\_ SDG No. : K2049  
Level : \_\_\_\_\_  
Lab Sample ID : K2049-05  
Lab File ID : VV009804.D  
Date Received : 03/21/2019  
Date Extracted : \_\_\_\_\_  
Date Analyzed : 03/21/2019  
Extract Volume : \_\_\_\_\_ (µL)  
Extraction Type : PT  
Injection Volume : \_\_\_\_\_ (µL)  
pH : 1.0 Dilution Factor : 1.0  
Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U



FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P003-TW001-01

5

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-05  
 Lab File ID : VV009804.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

A

B

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P003-TW001-01

5

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-05  
 Lab File ID : VV009804.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P005-TW001-01

5

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-06  
 Lab File ID : VV009805.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P005-TW001-01

5

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-06  
 Lab File ID : VV009805.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P005-TW001-01

5

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-06  
 Lab File ID : VV009805.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U



FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

5  
 2.2  
 A  
 B  
 P006-TW001-01

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-07  
 Lab File ID : VV009806.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P006-TW001-01

5  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-07  
 Lab File ID : VV009806.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P006-TW001-01

5

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-07  
 Lab File ID : VV009806.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P009-TW001-01

5  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-08  
 Lab File ID : VV009807.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P009-TW001-01

5

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-08  
 Lab File ID : VV009807.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U



FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P009-TW001-01

5

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-08  
 Lab File ID : VV009807.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

1013-TW001-01

5

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-09  
 Lab File ID : VV009808.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

5  
 2.2  
 A  
 B  
 1013-TW001-01

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-09  
 Lab File ID : VV009808.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P013-TW001-01

5

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-09  
 Lab File ID : VV009808.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

A

B

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P015-TW001-01

5  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-10  
 Lab File ID : WV009809.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P015-TW001-01

5

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-10  
 Lab File ID : VV009809.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U



FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P015-TW001-01

5  
 2.2  
 A  
 B

Lab Name : Chemtech Consulting Group

Contract : EPW14030

Lab Code: CHM Case No.: RFP 526

MA No. : \_\_\_\_\_ SDG No.: K2049

Analytical Method : Trace VOA

Level : \_\_\_\_\_

Matrix : Water

Lab Sample ID : K2049-10

Sample wt/vol : 25.8 (g/mL) : mL

Lab File ID : VV000000.D

Solids : \_\_\_\_\_

Date Received : 03/21/19

GC Column : DB-624UI

Date Received : 03/21/19

GC Column : DB-624UI

Date Extracted : 2019

GC Column : \_\_\_\_\_ ID : 0.18 (mm)

Date Analyzed : 03/21/19

Extract Concentrated : (ID : \_\_\_\_\_ (mm)

Extract Volume : 2019

Soil Aliquot (VOA) : Y / N

Extraction Type : PT (µL)

Heated Purge : (Y / N) \_\_\_\_\_ (µL)

Injection Volume : \_\_\_\_\_

Purge Volume : 25 <sup>N</sup>/<sub>N</sub> \_\_\_\_\_ (mL)

pH : 1.0 Dilution Factor : 1.0 (µL)

Cleanup Types : \_\_\_\_\_ (mL)

Cleanup Factor : 1.0

Concentration Units (µg/L, mg/L, µg/kg) : µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P016-TW001-01

5  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-11  
 Lab File ID : VV009810.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P016-TW001-01

5  
2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-11  
 Lab File ID : VV009810.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

A  
B

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P016-TW001-01

5

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-11  
 Lab File ID : VV009810.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P017-TW001-01

5  
2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-12  
 Lab File ID : VV009811.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P017-TW001-01

5

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-12  
 Lab File ID : VV009811.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U



FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P017-TW001-01

5  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-12  
 Lab File ID : VV009811.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P018-TW001-01

5  
 2.2  
 A  
 B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-13  
 Lab File ID : VV009812.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.81	
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P018-TW001-01

5

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-13  
 Lab File ID : VV009812.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P018-TW001-01

5  
 2.2  
 A  
 B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-13  
 Lab File ID : VV009812.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

PO20-TW001-01

5

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-14  
 Lab File ID : VV009813.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P020-TW001-01

5

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-14  
 Lab File ID : WV009813.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P020-TW001-01

5  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-14  
 Lab File ID : VV009813.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U



FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P024-TW001-01

5  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-15  
 Lab File ID : VV009814.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.80	
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

PO24-TW001-01

5  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-15  
 Lab File ID : VV009814.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P024-TW001-01

5  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-15  
 Lab File ID : VV009814.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P024-TW002-01

5

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-16  
 Lab File ID : VV009815.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.79	
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P024-TW002-01

5  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-16  
 Lab File ID : VV009815.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P024-TW002-01

5  
 2.2  
 A  
 B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-16  
 Lab File ID : VV009815.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/21/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P025-TW001-01

5  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-17  
 Lab File ID : VV009816.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.94	
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U



FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P025-TW001-01

5

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-17  
 Lab File ID : VV009816.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P025-TW001-01

5  
 2.2  
 A  
 B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-17  
 Lab File ID : VV009816.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

TB-190319-01

5

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-18  
 Lab File ID : VV009823.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

TB-190319-01

5  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-18  
 Lab File ID : VV009823.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

TB-190319-01

5

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-18  
 Lab File ID : VV009823.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

VHBLK01

5

2.2

A

B

Lab Name : Chemtech Consulting Group Contract : EPW14030  
 Lab Code: CHM Case No.: RFP 526 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Analytical Method : Trace VOA Level : \_\_\_\_\_  
 Matrix : Water Lab Sample ID : K2049-19  
 Sample wt/vol : 25.0 (g/mL) : mL Lab File ID : VV009826.D  
 % Solids : \_\_\_\_\_ Date Received : 03/21/2019  
 GC Column : DB-624UI ID : 0.18 (mm) Date Extracted : \_\_\_\_\_  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm) Date Analyzed : 03/22/2019  
 Extract Concentrated : (Y / N) \_\_\_\_\_ Extract Volume : \_\_\_\_\_ (µL)  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL) Extraction Type : PT  
 Heated Purge : (Y / N) N Injection Volume : \_\_\_\_\_ (µL)  
 Purge Volume : 25 (mL) pH : 1.0 Dilution Factor : 1.0  
 Cleanup Types : \_\_\_\_\_ Cleanup Factor : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

VHBLK01

5

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-19  
 Lab File ID : VV009826.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U



FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

VHBLK01

5

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-19  
 Lab File ID : VV009826.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

A

B

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U



## OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: March 18, 2019

Matrix Field Sample ID Lab Sample ID Sample weight/Volume (mL) Dilution Factor	Potable Water P002-TW001-01 K2049-01 1000 mL 1	Potable Water P002-TW001-02 <sup>1</sup> K2049-04 1000 mL 1	Potable Water P003-TW001-01 K2049-05 1000 mL 1	Potable Water P005-TW001-01 K2049-06 1000 mL 1	Potable Water P006-TW001-01 K2049-07 1000 mL 1
<b>Semi-Volatile Organic Compounds (ug/L)</b>					
Benzaldehyde	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Phenol	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
Bis(2-Chloroethyl)ether	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
2-Chlorophenol	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
2-Methylphenol	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
2,2-oxybis(1-Chloropropane)	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Acetophenone	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
4-Methylphenol	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
N-Nitroso-di-n-propylamine	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Hexachloroethane	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
Nitrobenzene	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Isophorone	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
2-Nitrophenol	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
2,4-Dimethylphenol	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Bis(2-Chloroethoxy)methane	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
2,4-Dichlorophenol	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Naphthalene	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
4-Chloroaniline	0.38 UJ	0.38 U	0.38 U	0.38 UJ	0.38 UJ
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Caprolactam	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
4-Chloro-3-methylphenol	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylnaphthalene	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Hexachlorocyclopentadiene	1.2 UJ	1.2 U	1.2 U	1.2 UJ	1.2 UJ
2,4,6-Trichlorophenol	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,4,5-Trichlorophenol	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Biphenyl	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Chloronaphthalene	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
2-Nitroaniline	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Dimethylphthalate	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
2,6-Dinitrotoluene	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Acenaphthylene	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
3-Nitroaniline	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Acenaphthene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U
2,4-Dinitrophenol	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
4-Nitrophenol	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Dibenzofuran	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,4-Dinitrotoluene	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Diethylphthalate	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Fluorene	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
4-Chlorophenyl-phenylether	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
4-Nitroaniline	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
4,6-Dinitro-2-methylphenol	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
N-Nitrosodiphenylamine	1 U	1 U	1 U	1 U	1 U
1,2,4,5-Tetrachlorobenzene	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
4-Bromophenyl-phenylether	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
Hexachlorobenzene	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Atrazine	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Pentachlorophenol	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
Phenanthrene	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Anthracene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Carbazole	1 U	1 U	1 U	1 U	1 U
Di-n-butylphthalate	1 U	1 U	1 U	1 U	1 U
Fluoranthene	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
Pyrene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Butylbenzylphthalate	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
3,3-Dichlorobenzidine	0.64 UJ	0.64 U	0.64 U	0.64 UJ	0.64 UJ
Benzo(a)anthracene	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U

## OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: March 18, 2019

Matrix Field Sample ID Lab Sample ID Sample weight/Volume (mL) Dilution Factor	Potable Water P002-TW001-01 K2049-01 1000 mL 1	Potable Water P002-TW001-02 <sup>1</sup> K2049-04 1000 mL 1	Potable Water P003-TW001-01 K2049-05 1000 mL 1	Potable Water P005-TW001-01 K2049-06 1000 mL 1	Potable Water P006-TW001-01 K2049-07 1000 mL 1
Chrysene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Bis(2-ethylhexyl)phthalate	1 U	1 U	1 U	1 U	1 U
Di-n-octyl phthalate	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
Benzo(k)fluoranthene	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Benzo(a)pyrene	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Indeno(1,2,3-cd)pyrene	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibenzo(a,h)anthracene	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Benzo(g,h,i)perylene	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
2,3,4,6-Tetrachlorophenol	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U

1A field duplicate of P002-TW001-01

U: Not detected at the indicated concentration.

UJ: Not detected at the estimated concentration.

J: Estimated result.

Bolded result - Detected Value

µg/L = micrograms per Liter

## OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: March 18, 2019

Matrix Field Sample ID Lab Sample ID Sample weight/Volume (mL) Dilution Factor	Potable Water P009-TW001-01 K2049-08 1000 mL 1	Potable Water P013-TW001-01 K2049-09 1000 mL 1	Potable Water P015-TW001-01 K2049-10 1000 mL 1	Potable Water P016-TW001-01 K2049-11 1000 mL 1	Potable Water P017-TW001-01 K2049-12 1000 mL 1
<b>Semi-Volatile Organic Compounds (ug/L)</b>					
Benzaldehyde	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Phenol	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
Bis(2-Chloroethyl)ether	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
2-Chlorophenol	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
2-Methylphenol	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
2,2-oxybis(1-Chloropropane)	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Acetophenone	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
4-Methylphenol	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
N-Nitroso-di-n-propylamine	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Hexachloroethane	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
Nitrobenzene	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Isophorone	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
2-Nitrophenol	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
2,4-Dimethylphenol	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Bis(2-Chloroethoxy)methane	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
2,4-Dichlorophenol	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Naphthalene	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
4-Chloroaniline	0.38 UJ	0.38 U	0.38 U	0.38 U	0.38 UJ
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Caprolactam	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
4-Chloro-3-methylphenol	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylnaphthalene	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Hexachlorocyclopentadiene	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 UJ
2,4,6-Trichlorophenol	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,4,5-Trichlorophenol	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Biphenyl	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Chloronaphthalene	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
2-Nitroaniline	0.63 UJ	0.63 UJ	0.63 UJ	0.63 UJ	0.63 UJ
Dimethylphthalate	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
2,6-Dinitrotoluene	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Acenaphthylene	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
3-Nitroaniline	0.43 UJ	0.43 UJ	0.43 UJ	0.43 UJ	0.43 UJ
Acenaphthene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U
2,4-Dinitrophenol	0.63 UJ	0.63 UJ	0.63 UJ	0.63 UJ	0.63 UJ
4-Nitrophenol	0.8 UJ	0.8 UJ	0.8 UJ	0.8 UJ	0.8 UJ
Dibenzofuran	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,4-Dinitrotoluene	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Diethylphthalate	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Fluorene	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
4-Chlorophenyl-phenylether	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
4-Nitroaniline	0.65 UJ	0.65 UJ	0.65 UJ	0.65 UJ	0.65 UJ
4,6-Dinitro-2-methylphenol	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
N-Nitrosodiphenylamine	1 U	1 U	1 U	1 U	1 U
1,2,4,5-Tetrachlorobenzene	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
4-Bromophenyl-phenylether	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
Hexachlorobenzene	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Atrazine	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Pentachlorophenol	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
Phenanthrene	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Anthracene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Carbazole	1 U	1 U	1 U	1 U	1 U
Di-n-butylphthalate	1 U	1 U	1 U	1 U	1 U
Fluoranthene	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
Pyrene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Butylbenzylphthalate	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
3,3-Dichlorobenzidine	0.64 UJ	0.64 U	0.64 U	0.64 U	0.64 UJ
Benzo(a)anthracene	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U

## OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: March 18, 2019

Matrix	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
Field Sample ID	P009-TW001-01	P013-TW001-01	P015-TW001-01	P016-TW001-01	P017-TW001-01
Lab Sample ID	K2049-08	K2049-09	K2049-10	K2049-11	K2049-12
Sample weight/Volume (mL)	1000 mL	1000 mL	1000 mL	1000 mL	1000 mL
Dilution Factor	1	1	1	1	1
Chrysene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Bis(2-ethylhexyl)phthalate	1 U	1 U	1 U	1 U	1 U
Di-n-octyl phthalate	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
Benzo(k)fluoranthene	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Benzo(a)pyrene	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Indeno(1,2,3-cd)pyrene	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibenzo(a,h)anthracene	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Benzo(g,h,i)perylene	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
2,3,4,6-Tetrachlorophenol	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U

U: Not detected at the indicated concentration.

UJ: Not detected at the estimated concentration.

J: Estimated result.

Bolded result - Detected Value

µg/L = micrograms per Liter

## OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: March 18, 2019

Matrix Field Sample ID Lab Sample ID Sample weight/Volume (mL) Dilution Factor	Potable Water P018-TW001-01 K2049-13 1000 mL 1	Potable Water P020-TW001-01 K2049-14 1000 mL 1	Potable Water P024-TW001-01 K2049-15 1000 mL 1	Potable Water P024-TW002-01 K2049-16 1000 mL 1	Potable Water P025-TW001-01 K2049-17 1000 mL 1
<b>Semi-Volatile Organic Compounds (ug/L)</b>					
Benzaldehyde	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Phenol	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
Bis(2-Chloroethyl)ether	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
2-Chlorophenol	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
2-Methylphenol	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
2,2-oxybis(1-Chloropropane)	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Acetophenone	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
4-Methylphenol	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
N-Nitroso-di-n-propylamine	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Hexachloroethane	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
Nitrobenzene	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Isophorone	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
2-Nitrophenol	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
2,4-Dimethylphenol	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Bis(2-Chloroethoxy)methane	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
2,4-Dichlorophenol	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Naphthalene	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
4-Chloroaniline	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ	0.38 U
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Caprolactam	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
4-Chloro-3-methylphenol	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylnaphthalene	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Hexachlorocyclopentadiene	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 U
2,4,6-Trichlorophenol	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,4,5-Trichlorophenol	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Biphenyl	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Chloronaphthalene	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
2-Nitroaniline	0.63 U	0.63 U	0.63 UJ	0.63 UJ	0.63 U
Dimethylphthalate	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
2,6-Dinitrotoluene	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Acenaphthylene	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
3-Nitroaniline	0.43 U	0.43 U	0.43 UJ	0.43 UJ	0.43 U
Acenaphthene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U
2,4-Dinitrophenol	0.63 U	0.63 U	0.63 UJ	0.63 UJ	0.63 U
4-Nitrophenol	0.8 U	0.8 U	0.8 UJ	0.8 UJ	0.8 U
Dibenzofuran	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,4-Dinitrotoluene	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Diethylphthalate	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Fluorene	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
4-Chlorophenyl-phenylether	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
4-Nitroaniline	0.65 U	0.65 U	0.65 UJ	0.65 UJ	0.65 U
4,6-Dinitro-2-methylphenol	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
N-Nitrosodiphenylamine	1 U	1 U	1 U	1 U	1 U
1,2,4,5-Tetrachlorobenzene	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
4-Bromophenyl-phenylether	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
Hexachlorobenzene	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Atrazine	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Pentachlorophenol	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
Phenanthrene	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Anthracene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Carbazole	1 U	1 U	1 U	1 U	1 U
Di-n-butylphthalate	1 U	1 U	1 U	1 U	1 U
Fluoranthene	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
Pyrene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Butylbenzylphthalate	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
3,3-Dichlorobenzidine	0.64 UJ	0.64 UJ	0.64 UJ	0.64 UJ	0.64 U
Benzo(a)anthracene	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U

## OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: March 18, 2019

Matrix	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
Field Sample ID	P018-TW001-01	P020-TW001-01	P024-TW001-01	P024-TW002-01	P025-TW001-01
Lab Sample ID	K2049-13	K2049-14	K2049-15	K2049-16	K2049-17
Sample weight/Volume (mL)	1000 mL	1000 mL	1000 mL	1000 mL	1000 mL
Dilution Factor	1	1	1	1	1
Chrysene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Bis(2-ethylhexyl)phthalate	1 U	1 U	1 U	1 U	1 U
Di-n-octyl phthalate	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
Benzo(k)fluoranthene	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Benzo(a)pyrene	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Indeno(1,2,3-cd)pyrene	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibenzo(a,h)anthracene	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Benzo(g,h,i)perylene	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
2,3,4,6-Tetrachlorophenol	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U

U: Not detected at the indicated concentration.

UJ: Not detected at the estimated concentration.

J: Estimated result.

Bolded result - Detected Value

µg/L = micrograms per liter



## CASE NARRATIVE

**Weston Solutions, Inc.**

**Project Name: RFP 526**

**Project # N/A**

**Chemtech Project # K2049**

**Test Name: SVOCMS Group1**

**A. Number of Samples and Date of Receipt:**

19 Water samples were received on 03/21/2019.

**B. Parameters**

According to the Chain of Custody document, the following analyses were requested: PCB, SVOC-SIMGroup1, SVOCMS Group1 and VOC-Low Level -15. This data package contains results for SVOCMS Group1.

**C. Analytical Techniques:**

The samples were analyzed on instrument BNA\_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOCMS Group1 was based on method SOM02.4\_SVOC and extraction was done based on method SOM02.4.

Semis volatile Organic samples for Water were extracted by Method SOM02.4 on 03/23/2019 and 03/26/2019.

**D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for

P002-TW001-01 [4-Chloroaniline-d4 - 0%],

P002-TW001-01MS [4-Chloroaniline-d4 - 0%],

P002-TW001-01MSD [4-Chloroaniline-d4 - 0%],

P005-TW001-01 [4-Chloroaniline-d4 - 0%],

P006-TW001-01 [4-Chloroaniline-d4 - 0%],

P009-TW001-01 [4-Chloroaniline-d4 - 0%, 4-Nitrophenol-d4 - 8%],

P013-TW001-01 [4-Nitrophenol-d4 - 7%],

P015-TW001-01 [4-Nitrophenol-d4 - 9%],

P016-TW001-01 [4-Nitrophenol-d4 - 9%],

P017-TW001-01 [4-Chloroaniline-d4 - 0%, 4-Nitrophenol-d4 - 8%],

P018-TW001-01 [4-Chloroaniline-d4 - 0%],

P020-TW001-01 [4-Chloroaniline-d4 - 0%],

P024-TW001-01 [4-Chloroaniline-d4 - 0%, 4-Nitrophenol-d4 - 9%],

P024-TW002-01 [4-Chloroaniline-d4 - 0% , 4-Nitrophenol-d4 - 8%]. As per method four surrogates are allowed to fail. No further corrective action was taken.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS (P002-TW001-01MS) recoveries met the requirements for all compounds.  
 The MSD (P002-TW001-01MSD) recoveries met the acceptable requirements.  
 The RPD met criteria.

The Blank analysis did not indicate the presence of lab contamination.  
 The Initial Calibration met requirements except for 2-Nitroaniline. As per method four compounds are allowed to fail, not exceed 40%. No further corrective action was taken.  
 The Continuous Calibration met the requirements.  
 The Tuning criteria met requirements.

See **Manual Integration report** for the manual integration information at the end of the case narrative.

**Concentration of Water Sample:**

$$\text{Concentration ug/L} = \frac{(A_x) (I_s) (V_t) (DF) (GPC)}{(A_{is}) (RRF) (V_o) (V_i)}$$

Where,

A<sub>x</sub> = Area of the characteristic ion for the compound to be measured.

A<sub>is</sub> = Area of the characteristic ion for the internal standard.

I<sub>s</sub> = Amount of internal standard injected in ng.

V<sub>o</sub> = Volume of water extracted in mL.

V<sub>i</sub> = Volume of extract injected in uL.

V<sub>t</sub> = Volume of the concentrated extract in uL

D<sub>f</sub> = Dilution factor

RRF = Mean Relative Response Factor determined from the initial calibration standard.

GPC =  $\frac{V_{in}}{V_{out}}$  = GPC factor (If no GPC is performed, GPC=1)

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I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature *Mildred V Reyes*

**APPROVED**

By Mildred V Reyes, QAQC Supervisor at 4:07 pm, Apr 04, 2019

**SAMPLE**  
**DATA**

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P002-TW001-01

6

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-01  
 Lab File ID : BM019431.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis(2-Chloroethyl)ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U J
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U J
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P002-TW001-01

6

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-01  
 Lab File ID : BM019431.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U
100-02-7	4-Nitrophenol	0.80	U
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P002-TW001-01

6

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-01  
 Lab File ID : EM019431.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U J
56-55-3	Benzo (a) anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis (2-ethylhexyl) phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo (b) fluoranthene	0.76	U
207-08-9	Benzo (k) fluoranthene	1.7	U
50-32-8	Benzo (a) pyrene	1.3	U
193-39-5	Indeno (1, 2, 3-cd) pyrene	1.7	U
53-70-3	Dibenzo (a, h) anthracene	0.52	U
191-24-2	Benzo (g, h, i) perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

*4112119*

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P002-TW001-02

6  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-04  
 Lab File ID : BM019460.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis(2-Chloroethyl) ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P002-TW001-02

6  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-04  
 Lab File ID : BM019460.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U
100-02-7	4-Nitrophenol	0.80	U
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U



FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P002-TW001-02

6  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-04  
 Lab File ID : BM019460.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U
56-55-3	Benzo(a)anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo(b)fluoranthene	0.76	U
207-08-9	Benzo(k)fluoranthene	1.7	U
50-32-8	Benzo(a)pyrene	1.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U
53-70-3	Dibenzo(a,h)anthracene	0.52	U
191-24-2	Benzo(g,h,i)perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

6  
 2.2  
 A  
 B  
 P003-TW001-01

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-05  
 Lab File ID : BM019485.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/26/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis(2-Chloroethyl)ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P003-TW001-01

6

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-05  
 Lab File ID : BM019485.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/26/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U
100-02-7	4-Nitrophenol	0.80	U
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P003-TW001-01

6  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-05  
 Lab File ID : BM019485.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/26/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U
56-55-3	Benzo(a)anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo(b)fluoranthene	0.76	U
207-08-9	Benzo(k)fluoranthene	1.7	U
50-32-8	Benzo(a)pyrene	1.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U
53-70-3	Dibenzo(a,h)anthracene	0.52	U
191-24-2	Benzo(g,h,i)perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P005-TW001-01

6

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-06  
 Lab File ID : BM019444.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis(2-Chloroethyl)ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U J
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U J
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P005-TW001-01

6  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-06  
 Lab File ID : BM019444.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U
100-02-7	4-Nitrophenol	0.80	U
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P005-TW001-01

6  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-06  
 Lab File ID : BM019444.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U <b>J</b>
56-55-3	Benzo(a)anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo(b)fluoranthene	0.76	U
207-08-9	Benzo(k)fluoranthene	1.7	U
50-32-8	Benzo(a)pyrene	1.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U
53-70-3	Dibenzo(a,h)anthracene	0.52	U
191-24-2	Benzo(g,h,i)perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

*4112119*

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P006-TW001-01

6

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-07  
 Lab File ID : BM019443.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis(2-Chloroethyl) ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U $\mathcal{H}$
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U $\mathcal{H}$
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U



FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P006-TW001-01

6  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-07  
 Lab File ID : BM019443.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U
100-02-7	4-Nitrophenol	0.80	U
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P006-TW001-01

6  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-07  
 Lab File ID : BM019443.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U <b>H</b>
56-55-3	Benzo(a)anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo(b)fluoranthene	0.76	U
207-08-9	Benzo(k)fluoranthene	1.7	U
50-32-8	Benzo(a)pyrene	1.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U
53-70-3	Dibenzo(a,h)anthracene	0.52	U
191-24-2	Benzo(g,h,i)perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

**4/11/2019**

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P009-TW001-01

6

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-08  
 Lab File ID : BM019464.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-Chloroethyl) ether	10	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-Chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	10	U J
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	10	U J
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	5.0	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P009-TW001-01

6

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-08  
 Lab File ID : BM019464.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	5.0	U <u>H</u>
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	10	U <u>H</u>
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	10	U <u>H</u>
100-02-7	4-Nitrophenol	10	U <u>H</u>
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	10	U <u>H</u>
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P009-TW001-01

6

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-08  
 Lab File ID : BM019464.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3-Dichlorobenzidine	10	U <b>J</b>
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U

4112119

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P013-TW001-01

6  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-09  
 Lab File ID : BM019463.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis(2-Chloroethyl)ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P013-TW001-01

6  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-09  
 Lab File ID : BM019463.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U <b>H</b>
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U <b>H</b>
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U <b>H</b>
100-02-7	4-Nitrophenol	0.80	U <b>H</b>
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U <b>H</b>
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U

**4/12/19**

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P013-TW001-01

6

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-09  
 Lab File ID : BM019463.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U
56-55-3	Benzo(a)anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo(b)fluoranthene	0.76	U
207-08-9	Benzo(k)fluoranthene	1.7	U
50-32-8	Benzo(a)pyrene	1.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U
53-70-3	Dibenzo(a,h)anthracene	0.52	U
191-24-2	Benzo(g,h,i)perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U



FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P015-TW001-01

6

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-10  
 Lab File ID : BM019462.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis(2-Chloroethyl) ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P015-TW001-01

6  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-10  
 Lab File ID : BM019462.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U J
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U J
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U J
100-02-7	4-Nitrophenol	0.80	U J
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U J
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U

③ 4/12/19

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P015-TW001-01

6  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-10  
 Lab File ID : BM019462.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U
56-55-3	Benzo(a)anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo(b)fluoranthene	0.76	U
207-08-9	Benzo(k)fluoranthene	1.7	U
50-32-8	Benzo(a)pyrene	1.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U
53-70-3	Dibenzo(a,h)anthracene	0.52	U
191-24-2	Benzo(g,h,i)perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P016-TW001-01

6

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-11  
 Lab File ID : BM019461.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis(2-Chloroethyl) ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P016-TW001-01

6

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-11  
 Lab File ID : BM019461.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U H
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U H
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U H
100-02-7	4-Nitrophenol	0.80	U H
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U H
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U

4/11/19

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P016-TW001-01

6  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-11  
 Lab File ID : BM019461.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U
56-55-3	Benzo(a)anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo(b)fluoranthene	0.76	U
207-08-9	Benzo(k)fluoranthene	1.7	U
50-32-8	Benzo(a)pyrene	1.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U
53-70-3	Dibenzo(a,h)anthracene	0.52	U
191-24-2	Benzo(g,h,i)perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P017-TW001-01

6  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
Lab Code: CHM Case No.: RFP 526  
Analytical Method : SVOA  
Matrix : Water  
Sample wt/vol : 1000 (g/mL): mL  
% Solids : \_\_\_\_\_  
GC Column : ZB-GR ID : 0.25 (mm)  
GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
Extract Concentrated : (Y / N) N  
Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
Heated Purge : (Y / N) \_\_\_\_\_  
Purge Volume : \_\_\_\_\_ (mL)  
Cleanup Types : \_\_\_\_\_  
Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
MA No. : \_\_\_\_\_ SDG No.: K2049  
Level : \_\_\_\_\_  
Lab Sample ID : K2049-12  
Lab File ID : BM019446.D  
Date Received : 03/21/2019  
Date Extracted : 03/23/2019  
Date Analyzed : 03/26/2019  
Extract Volume : 1000 (µL)  
Extraction Type : CONH  
Injection Volume : 1.0 (µL)  
pH : 6 Dilution Factor : 1.0  
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis(2-Chloroethyl) ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U <u>H</u>
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U <u>H</u>
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P017-TW001-01

6  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-12  
 Lab File ID : EM019446.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U J
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U J
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U H
100-02-7	4-Nitrophenol	0.80	U H
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U J
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U



FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P017-TW001-01

6  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-12  
 Lab File ID : BM019446.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U <b>I</b>
56-55-3	Benzo(a)anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo(b)fluoranthene	0.76	U
207-08-9	Benzo(k)fluoranthene	1.7	U
50-32-8	Benzo(a)pyrene	1.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U
53-70-3	Dibenzo(a,h)anthracene	0.52	U
191-24-2	Benzo(g,h,i)perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

**4112119**

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P018-TW001-01

6  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-13  
 Lab File ID : BM019445.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis (2-Chloroethyl) ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis (1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis (2-Chloroethoxy) methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U J
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U J
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P018-TW001-01

6  
 2.2  
 A  
 B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-13  
 Lab File ID : BM019445.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U
100-02-7	4-Nitrophenol	0.80	U
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P018-TW001-01

6

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-13  
 Lab File ID : BM019445.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U J
56-55-3	Benzo(a)anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo(b)fluoranthene	0.76	U
207-08-9	Benzo(k)fluoranthene	1.7	U
50-32-8	Benzo(a)pyrene	1.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U
53-70-3	Dibenzo(a,h)anthracene	0.52	U
191-24-2	Benzo(g,h,i)perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

4/11/2019

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P020-TW001-01

6  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-14  
 Lab File ID : BM019427.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis(2-Chloroethyl)ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U J
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U J
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P020-TW001-01

6  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-14  
 Lab File ID : BM019427.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U
100-02-7	4-Nitrophenol	0.80	U
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P020-TW001-01

6  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-14  
 Lab File ID : BM019427.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U J
56-55-3	Benzo (a) anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis (2-ethylhexyl) phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo (b) fluoranthene	0.76	U
207-08-9	Benzo (k) fluoranthene	1.7	U
50-32-8	Benzo (a) pyrene	1.3	U
193-39-5	Indeno (1,2,3-cd) pyrene	1.7	U
53-70-3	Dibenzo (a, h) anthracene	0.52	U
191-24-2	Benzo (g, h, i) perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

4112119

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P024-TW001-01

6

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-15  
 Lab File ID : BM019467.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis(2-Chloroethyl) ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U J
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U J
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U



FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

6  
 2.2  
 A  
 B  
 P024-TW001-01

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-15  
 Lab File ID : BM019467.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U J
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U J
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U J
100-02-7	4-Nitrophenol	0.80	U J
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U J
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P024-TW001-01

6

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-15  
 Lab File ID : BM019467.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U <u>J</u>
56-55-3	Benzo(a)anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo(b)fluoranthene	0.76	U
207-08-9	Benzo(k)fluoranthene	1.7	U
50-32-8	Benzo(a)pyrene	1.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U
53-70-3	Dibenzo(a,h)anthracene	0.52	U
191-24-2	Benzo(g,h,i)perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

② 4112119

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P024-TW002-01

6

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-16  
 Lab File ID : BM019466.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis(2-Chloroethyl) ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U I
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U J
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P024-TW002-01

6

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-16  
 Lab File ID : BMO19466.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U J
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U J
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U J
100-02-7	4-Nitrophenol	0.80	U J
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U J
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P024-TW002-01

6

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-16  
 Lab File ID : BM019466.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U J
56-55-3	Benzo (a) anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis (2-ethylhexyl) phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo (b) fluoranthene	0.76	U
207-08-9	Benzo (k) fluoranthene	1.7	U
50-32-8	Benzo (a) pyrene	1.3	U
193-39-5	Indeno (1,2,3-cd) pyrene	1.7	U
53-70-3	Dibenzo (a, h) anthracene	0.52	U
191-24-2	Benzo (g, h, i) perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

④ 4112119

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P025-TW001-01

6

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-17  
 Lab File ID : BM019465.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis(2-Chloroethyl) ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P025-TW001-01

6

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-17  
 Lab File ID : BM019465.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U
100-02-7	4-Nitrophenol	0.80	U
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P025-TW001-01

6

2.2

Lab Name : Chemtech Consulting Group Contract : EPW14030  
 Lab Code: CHM Case No.: RFP 526 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Analytical Method : SVOA Level : \_\_\_\_\_  
 Matrix : Water Lab Sample ID : K2049-17  
 Sample wt/vol : 1000 (g/mL): mL Lab File ID : BM019465.D  
 % Solids : \_\_\_\_\_ Date Received : 03/21/2019  
 GC Column : ZB-GR ID : 0.25 (mm) Date Extracted : 03/23/2019  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm) Date Analyzed : 03/26/2019  
 Extract Concentrated : (Y / N) N Extract Volume : 1000 (µL)  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL) Extraction Type : CONH  
 Heated Purge : (Y / N) \_\_\_\_\_ Injection Volume : 1.0 (µL)  
 Purge Volume : \_\_\_\_\_ (mL) pH : 6 Dilution Factor : 1.0  
 Cleanup Types : \_\_\_\_\_ Cleanup Factor : 1.0  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U
56-55-3	Benzo(a)anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo(b)fluoranthene	0.76	U
207-08-9	Benzo(k)fluoranthene	1.7	U
50-32-8	Benzo(a)pyrene	1.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U
53-70-3	Dibenzo(a,h)anthracene	0.52	U
191-24-2	Benzo(g,h,i)perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U





**OTHER ANALYTES WORK TABLE**

**PROJECT: Route 203 Site**

**SAMPLING DATE: March 18, 2019**

Matrix Field Sample ID Lab Sample ID Sample weight/Volume (mL) Dilution Factor	Potable Water P002-TW001-01 K2049-01 1000 mL 1	Potable Water P002-TW001-02 <sup>1</sup> K2049-04 1000 mL 1	Potable Water P003-TW001-01 K2049-05 1000 mL 1	Potable Water P005-TW001-01 K2049-06 1000 mL 1	Potable Water P006-TW001-01 K2049-07 1000 mL 1
<b>PCB (ug/L)</b>					
Aroclor-1016	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Aroclor-1221	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Aroclor-1232	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
Aroclor-1242	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
Aroclor-1248	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Aroclor-1254	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aroclor-1262	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Aroclor-1268	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Aroclor-1260	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U

Matrix Field Sample ID Lab Sample ID Sample weight/Volume (mL) Dilution Factor	Potable Water P009-TW001-01 K2049-08 1000 mL 1	Potable Water P013-TW001-01 K2049-09 1000 mL 1	Potable Water P015-TW001-01 K2049-10 1000 mL 1	Potable Water P016-TW001-01 K2049-11 1000 mL 1	Potable Water P017-TW001-01 K2049-12 1000 mL 1
<b>PCB (ug/L)</b>					
Aroclor-1016	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Aroclor-1221	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Aroclor-1232	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
Aroclor-1242	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
Aroclor-1248	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Aroclor-1254	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aroclor-1262	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Aroclor-1268	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Aroclor-1260	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U

<sup>1</sup>A field duplicate of P002-TW001-01

U: Not detected at the indicated concentration.

µg/L = micrograms per Liter

**OTHER ANALYTES WORK TABLE**

**PROJECT: Route 203 Site**

**SAMPLING DATE: March 18, 2019**

Matrix Field Sample ID Lab Sample ID Sample weight/Volume (mL) Dilution Factor	Potable Water P018-TW001-01 K2049-13 1000 mL 1	Potable Water P020-TW001-01 K2049-14 1000 mL 1	Potable Water P024-TW001-01 K2049-15 1000 mL 1	Potable Water P024-TW002-01 K2049-16 1000 mL 1	Potable Water P025-TW002-01 K2049-17 1000 mL 1
<b>PCB (ug/L)</b>					
Aroclor-1016	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Aroclor-1221	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Aroclor-1232	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
Aroclor-1242	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
Aroclor-1248	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Aroclor-1254	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aroclor-1262	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Aroclor-1268	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Aroclor-1260	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U

U: Not detected at the indicated concentration.

µg/L = micrograms per Liter

## CASE NARRATIVE

**Weston Solutions, Inc.**

**Project Name: RFP 526**

**Project # N/A**

**Chemtech Project # K2049**

**Test Name: PCB**

### **A. Number of Samples and Date of Receipt:**

19 Water samples were received on 03/21/2019.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested:

PCB, SVOC-SIMGroup1, SVOCMS Group1 and VOC-Low Level -15. This data package contains results for PCB.

### **C. Analytical Techniques:**

The analyses were performed on instrument GCECD\_Q. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method SOM02.4\_PCB and extraction was done based on method 3510.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for;

P002-TW001-01MSD [Tetrachloro-m-xylene(1) - 155%, Tetrachloro-m-xylene(2) - 163%],

P002-TW001-02 [Tetrachloro-m-xylene(1) - 166%, Tetrachloro-m-xylene(2) - 176%],

P003-TW001-01 [Tetrachloro-m-xylene(2) - 161%],

P005-TW001-01 [Tetrachloro-m-xylene(1) - 151%, Tetrachloro-m-xylene(2) - 163%],

P006-TW001-01 [Tetrachloro-m-xylene(1) - 178%, Tetrachloro-m-xylene(2) - 193%],

P009-TW001-01 [Tetrachloro-m-xylene(2) - 153%],

P013-TW001-01 [Tetrachloro-m-xylene(2) - 152%],

P015-TW001-01 [Tetrachloro-m-xylene(1) - 179%, Tetrachloro-m-xylene(2) - 193%],

P016-TW001-01 [Tetrachloro-m-xylene(2) - 160%],

P017-TW001-01 [Tetrachloro-m-xylene(1) - 167%, Tetrachloro-m-xylene(2) - 178%],

P018-TW001-01 [Tetrachloro-m-xylene(1) - 167%, Tetrachloro-m-xylene(2) - 179%],

P020-TW001-01 [Tetrachloro-m-xylene(1) - 163%, Tetrachloro-m-xylene(2) - 171%],

P024-TW001-01 [Tetrachloro-m-xylene(1) - 156%, Tetrachloro-m-xylene(2) - 164%],

P024-TW002-01 [Tetrachloro-m-xylene(1) - 176%, Tetrachloro-m-xylene(2) - 188%],

The SOW allows one surrogate to fail per column. No further corrective action was required.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.  
The RPD did not meet the criteria. No corrective action is required for MS/MSD failure to meet the criteria as per the SOW.  
The Blank Spike met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.  
The Initial Calibration met the requirements. The Continuous Calibration met the requirements.

**Calculation for Concentration in Water Samples:**

$$\text{Concentration ug/L} = \frac{(Ax) (Vt) (DF) (GPC)}{(CF) (Vo) (Vi)}$$

Where,

Ax = Response (peak area or height) of the compound to be measured.

CF = Mean Calibration Factor from the initial calibration (area/ng).

Vo = Volume of water extracted in mL.

Vi = Volume of extract injected in uL.

Vt = Volume of the concentrated extract in uL

GPC =  $\frac{V_{in}}{V_{out}}$  = GPC factor (If no GPC is performed, GPC=1)

Vin = Volume of extract loaded onto GPC column.

Vout = Volume of extract collected after GPC cleanup.

DF = Dilution Factor.

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature\_

*Mildred V Reyes*

**APPROVED**

By Mildred V Reyes, QAQC Supervisor at 4:07 pm, Apr 04, 2019

**SAMPLE**  
**DATA**

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P002-TW001-01

7

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : ARO  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-MR1 ID : 0.32 (mm)  
 GC Column : ZB-MR2 ID : 0.32 (mm)  
 Extract Concentrated : (Y / N) Y  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y/N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : Acid  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-01  
 Lab File ID : PQ038243.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/24/2019  
 Extract Volume : 10000 (µL)  
 Extraction Type : SEPF  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

A  
B  
C

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P002-TW001-02

7

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : ARO  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-MR1 ID : 0.32 (mm)  
 GC Column : ZB-MR2 ID : 0.32 (mm)  
 Extract Concentrated : (Y / N) Y  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y/N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : Acid  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-04  
 Lab File ID : PQ038246.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/24/2019  
 Extract Volume : 10000 (µL)  
 Extraction Type : SEPF  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

A  
B  
C

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U



FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P003-TW001-01

7  
2.2  
A  
B  
C

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : ARO  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-MR1 ID : 0.32 (mm)  
 GC Column : ZB-MR2 ID : 0.32 (mm)  
 Extract Concentrated : (Y / N) Y  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y/N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : Acid  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-05  
 Lab File ID : PQ038247.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/24/2019  
 Extract Volume : 10000 (µL)  
 Extraction Type : SEPF  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P005-TW001-01

7  
2.2  
A  
B  
C

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : ARO  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-MR1 ID : 0.32 (mm)  
 GC Column : ZB-MR2 ID : 0.32 (mm)  
 Extract Concentrated : (Y / N) Y  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y/N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : Acid  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-06  
 Lab File ID : PQ038248.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/24/2019  
 Extract Volume : 10000 (µL)  
 Extraction Type : SEPF  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P006-TW001-01

7  
2.2  
A  
B  
C

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : ARO  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-MR1 ID : 0.32 (mm)  
 GC Column : ZB-MR2 ID : 0.32 (mm)  
 Extract Concentrated : (Y / N) Y  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y/N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : Acid  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-07  
 Lab File ID : PQ038249.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/24/2019  
 Extract Volume : 10000 (µL)  
 Extraction Type : SEPF  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P009-TW001-01

7  
 2.2  
 A  
 B  
 C

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : ARO  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-MR1 ID : 0.32 (mm)  
 GC Column : ZB-MR2 ID : 0.32 (mm)  
 Extract Concentrated : (Y / N) Y  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y/N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : Acid  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-08  
 Lab File ID : PQ038250.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/24/2019  
 Extract Volume : 10000 (µL)  
 Extraction Type : SEPF  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P013-TW001-01

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 2.2  
 A  
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Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : ARO  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-MR1 ID : 0.32 (mm)  
 GC Column : ZB-MR2 ID : 0.32 (mm)  
 Extract Concentrated : (Y / N) Y  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y/N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : Acid  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-09  
 Lab File ID : PQ038251.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/24/2019  
 Extract Volume : 10000 (µL)  
 Extraction Type : SEPF  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P015-TW001-01

7

2.2

Lab Name : Chemtech Consulting Group Contract : EPW14030  
 Lab Code: CHM Case No.: RFP 526 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Analytical Method : ARO Level : \_\_\_\_\_  
 Matrix : Water Lab Sample ID : K2049-10  
 Sample wt/vol : 1000 (g/mL): mL Lab File ID : PQ038252.D  
 % Solids : \_\_\_\_\_ Date Received : 03/21/2019  
 GC Column : ZB-MR1 ID : 0.32 (mm) Date Extracted : 03/23/2019  
 GC Column : ZB-MR2 ID : 0.32 (mm) Date Analyzed : 03/24/2019  
 Extract Concentrated : (Y / N) Y Extract Volume : 10000 (µL)  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL) Extraction Type : SEPF  
 Heated Purge : (Y/N) \_\_\_\_\_ Injection Volume : 1.0 (µL)  
 Purge Volume : \_\_\_\_\_ (mL) pH : 6 Dilution Factor : 1.0  
 Cleanup Types : Acid Cleanup Factor : 1.0  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

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CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P016-TW001-01

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2.2  
A  
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C

Lab Name : Chemtech Consulting Group Contract : EPW14030  
 Lab Code: CHM Case No.: RFP 526 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Analytical Method : ARO Level : \_\_\_\_\_  
 Matrix : Water Lab Sample ID : K2049-11  
 Sample wt/vol : 980 (g/mL): mL Lab File ID : PQ038253.D  
 % Solids : \_\_\_\_\_ Date Received : 03/21/2019  
 GC Column : ZB-MR1 ID : 0.32 (mm) Date Extracted : 03/23/2019  
 GC Column : ZB-MR2 ID : 0.32 (mm) Date Analyzed : 03/24/2019  
 Extract Concentrated : (Y / N) Y Extract Volume : 10000 (µL)  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL) Extraction Type : SEPF  
 Heated Purge : (Y/N) \_\_\_\_\_ Injection Volume : 1.0 (µL)  
 Purge Volume : \_\_\_\_\_ (mL) pH : 6 Dilution Factor : 1.0  
 Cleanup Types : Acid Cleanup Factor : 1.0  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.082	U
11104-28-2	Aroclor-1221	0.30	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.051	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.061	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P017-TW001-01

7

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : ARO  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-MR1 ID : 0.32 (mm)  
 GC Column : ZB-MR2 ID : 0.32 (mm)  
 Extract Concentrated : (Y / N) Y  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y/N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : Acid  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-12  
 Lab File ID : PQ038254.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/24/2019  
 Extract Volume : 10000 (µL)  
 Extraction Type : SEPF  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

A  
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CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U



FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P018-TW001-01

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2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : ARO  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-MR1 ID : 0.32 (mm)  
 GC Column : ZB-MR2 ID : 0.32 (mm)  
 Extract Concentrated : (Y / N) Y  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y/N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : Acid  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-13  
 Lab File ID : PQ038255.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/24/2019  
 Extract Volume : 10000 (µL)  
 Extraction Type : SEPF  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

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C

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P020-TW001-01

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2.2

Lab Name : Chemtech Consulting Group Contract : EPW14030  
 Lab Code: CHM Case No.: RFP 526 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Analytical Method : ARO Level : \_\_\_\_\_  
 Matrix : Water Lab Sample ID : K2049-14  
 Sample wt/vol : 990 (g/mL): mL Lab File ID : PQ038256.D  
 % Solids : \_\_\_\_\_ Date Received : 03/21/2019  
 GC Column : ZB-MR1 ID : 0.32 (mm) Date Extracted : 03/23/2019  
 GC Column : ZB-MR2 ID : 0.32 (mm) Date Analyzed : 03/24/2019  
 Extract Concentrated : (Y / N) Y Extract Volume : 10000 (µL)  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL) Extraction Type : SEPF  
 Heated Purge : (Y/N) \_\_\_\_\_ Injection Volume : 1.0 (µL)  
 Purge Volume : \_\_\_\_\_ (mL) pH : 6 Dilution Factor : 1.0  
 Cleanup Types : Acid Cleanup Factor : 1.0  
 Concentration Units (µg/L,mg/L,µg/kg): µg/L

A

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CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P024-TW001-01

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2.2  
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Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : ARO  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-MR1 ID : 0.32 (mm)  
 GC Column : ZB-MR2 ID : 0.32 (mm)  
 Extract Concentrated : (Y / N) Y  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y/N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : Acid  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2049-15  
 Lab File ID : PQ038257.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/24/2019  
 Extract Volume : 10000 (µL)  
 Extraction Type : SEPF  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P024-TW002-01

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Lab Name : Chemtech Consulting Group Contract : EPW14030  
 Lab Code: CHM Case No.: RFP 526 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Analytical Method : ARO Level : \_\_\_\_\_  
 Matrix : Water Lab Sample ID : K2049-16  
 Sample wt/vol : 1000 (g/mL): mL Lab File ID : PQ038258.D  
 % Solids : \_\_\_\_\_ Date Received : 03/21/2019  
 GC Column : ZB-MR1 ID : 0.32 (mm) Date Extracted : 03/23/2019  
 GC Column : ZB-MR2 ID : 0.32 (mm) Date Analyzed : 03/24/2019  
 Extract Concentrated : (Y / N) Y Extract Volume : 10000 (µL)  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL) Extraction Type : SEPF  
 Heated Purge : (Y/N) \_\_\_\_\_ Injection Volume : 1.0 (µL)  
 Purge Volume : \_\_\_\_\_ (mL) pH : 6 Dilution Factor : 1.0  
 Cleanup Types : Acid Cleanup Factor : 1.0  
 Concentration Units (µg/L,mg/L,µg/kg): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P025-TW001-01

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2.2

Lab Name : Chemtech Consulting Group Contract : EPW14030  
 Lab Code: CHM Case No.: RFP 526 MA No. : \_\_\_\_\_ SDG No.: K2049  
 Analytical Method : ARO Level : \_\_\_\_\_  
 Matrix : Water Lab Sample ID : K2049-17  
 Sample wt/vol : 1000 (g/mL): mL Lab File ID : PQ038259.D  
 % Solids : \_\_\_\_\_ Date Received : 03/21/2019  
 GC Column : ZB-MR1 ID : 0.32 (mm) Date Extracted : 03/23/2019  
 GC Column : ZB-MR2 ID : 0.32 (mm) Date Analyzed : 03/24/2019  
 Extract Concentrated : (Y / N) Y Extract Volume : 10000 (µL)  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL) Extraction Type : SEPF  
 Heated Purge : (Y/N) \_\_\_\_\_ Injection Volume : 1.0 (µL)  
 Purge Volume : \_\_\_\_\_ (mL) pH : 6 Dilution Factor : 1.0  
 Cleanup Types : Acid Cleanup Factor : 1.0  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

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CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U



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7

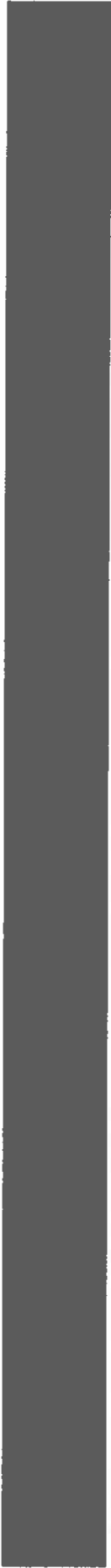
2.2

A

B

C

### LAB CHRONICLE



K2049-01	P002-TW001-01	WATER	PCB	SOM02.4_PC B	03/18/19	03/23/19	03/24/19	03/21/19
K2049-04	P002-TW001-02	WATER	PCB	SOM02.4_PC B	03/18/19	03/23/19	03/24/19	03/21/19
K2049-05	P003-TW001-01	WATER	PCB	SOM02.4_PC B	03/18/19	03/23/19	03/24/19	03/21/19
K2049-06	P005-TW001-01	WATER	PCB	SOM02.4_PC B	03/18/19	03/23/19	03/24/19	03/21/19
K2049-07	P006-TW001-01	WATER	PCB	SOM02.4_PC B	03/18/19	03/23/19	03/24/19	03/21/19
K2049-08	P009-TW001-01	WATER	PCB	SOM02.4_PC B	03/18/19	03/23/19	03/24/19	03/21/19
K2049-09	P013-TW001-01	WATER	PCB	SOM02.4_PC B	03/18/19	03/23/19	03/24/19	03/21/19
K2049-10	P015-TW001-01	WATER	PCB	SOM02.4_PC B	03/18/19	03/23/19	03/24/19	03/21/19
K2049-11	P016-TW001-01	WATER	PCB	SOM02.4_PC B	03/18/19	03/23/19	03/24/19	03/21/19



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**LAB CHRONICLE**

K2049-12	P017-TW001-01	WATER	PCB	SOM02.4_PC B	03/18/19	03/23/19	03/24/19	03/21/19
K2049-13	P018-TW001-01	WATER	PCB	SOM02.4_PC B	03/18/19	03/23/19	03/24/19	03/21/19
K2049-14	P020-TW001-01	WATER	PCB	SOM02.4_PC B	03/18/19	03/23/19	03/24/19	03/21/19
K2049-15	P024-TW001-01	WATER	PCB	SOM02.4_PC B	03/18/19	03/23/19	03/24/19	03/21/19
K2049-16	P024-TW002-01	WATER	PCB	SOM02.4_PC B	03/18/19	03/23/19	03/24/19	03/21/19
K2049-17	P025-TW001-01	WATER	PCB	SOM02.4_PC B	03/18/19	03/23/19	03/24/19	03/21/19





# SHIPPING DOCUMENTS

K2049

USEPA

Date Shipped: 3/20/2019  
 Carrier Name: FedEx  
 Airbill No: 7747-4859-3040

CHAIN OF CUSTODY RECORD

Site #: 528  
 Contact Name: Michael Lang  
 Contact Phone: 908-565-2974

No: 2-031919-0370-0083-0001

Cooler # 276  
 Lab: Chemtech Consulting Group  
 Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P002-TW001-01	P002-TW001	TCL VOCs	Potable Water	3/18/2019	14:25	3	40 mL VOA	4 C, HCl pH<2	Y
	P002-TW001-01	P002-TW001	TCL SVOCs	Potable Water	3/18/2019	14:25	2	1 liter amber	4 C	Y
	P002-TW001-01	P002-TW001	TCL PCBs	Potable Water	3/18/2019	14:25	6	1 liter amber	4 C	Y
	P002-TW001-02	P002-TW001	TCL VOCs	Potable Water	3/18/2019	14:25	3	40 mL VOA	4 C, HCl pH<2	N
	P002-TW001-02	P002-TW001	TCL SVOCs	Potable Water	3/18/2019	14:25	2	1 liter amber	4 C	N
	P002-TW001-02	P002-TW001	TCL PCBs	Potable Water	3/18/2019	14:25	2	1 liter amber	4 C	N
	P003-TW001-01	P003-TW001	TCL PCBs	Potable Water	3/18/2019	14:59	2	1 liter amber	4 C	N
	P003-TW001-01	P003-TW001	TCL VOCs	Potable Water	3/18/2019	14:59	3	40 mL VOA	4 C, HCl pH<2	N
	P003-TW001-01	P003-TW001	TCL SVOCs	Potable Water	3/18/2019	14:59	2	1 liter amber	4 C	N
	P005-TW001-01	P005-TW001	TCL PCBs	Potable Water	3/18/2019	17:11	2	1 liter amber	4 C	N
	P005-TW001-01	P005-TW001	TCL VOCs	Potable Water	3/18/2019	17:11	3	40 mL VOA	4 C, HCl pH<2	N
	P005-TW001-01	P005-TW001	TCL SVOCs	Potable Water	3/18/2019	17:11	2	1 liter amber	4 C	N
	P006-TW001-01	P006-TW001	TCL PCBs	Potable Water	3/18/2019	18:12	2	1 liter amber	4 C	N
	P006-TW001-01	P006-TW001	TCL VOCs	Potable Water	3/18/2019	18:12	3	40 mL VOA	4 C, HCl pH<2	N
	P006-TW001-01	P006-TW001	TCL SVOCs	Potable Water	3/18/2019	18:12	2	1 liter amber	4 C	N
	P009-TW001-01	P009-TW001	TCL PCBs	Potable Water	3/18/2019	15:31	2	1 liter amber	4 C	N
	P009-TW001-01	P009-TW001	TCL VOCs	Potable Water	3/18/2019	15:31	3	40 mL VOA	4 C, HCl pH<2	N
	P009-TW001-01	P009-TW001	TCL SVOCs	Potable Water	3/18/2019	15:31	2	1 liter amber	4 C	N
	P013-TW001-01	P013-TW001	TCL PCBs	Potable Water	3/18/2019	18:05	2	1 liter amber	4 C	N

NO TAGS

Special Instructions: Please email results to a.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Soil & All Analytes	<i>[Signature]</i> - Weston RSPS	3/20/2019 1600	<i>[Signature]</i>	3-21-19 9:30	IR-Gon #1 2.4

K2049

USEPA

Date Shipped: 3/20/2019

Carrier Name: FedEx

Airbill No: 7747-4859-3040

CHAIN OF CUSTODY RECORD

Site #: 526

Contact Name: Michael Lang

Contact Phone: 908-565-2974

No: 2-031919-0370-0083-0001

Cooler #: 76

Lab: Chemtech Consulting Group

Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Num Cont	Container	Preservative	Lab QC
	P013-TW001-01	P013-TW001	TCL VOCs	Potable Water	3/18/2019	16:05	3	40 mL VOA	4 C, HCl pH<2	N
	P013-TW001-01	P013-TW001	TCL SVOCs	Potable Water	3/18/2019	16:05	2	1 liter amber	4 C	N
	P015-TW001-01	P015-TW001	TCL PCBs	Potable Water	3/18/2019	16:24	2	1 liter amber	4 C	N
	P015-TW001-01	P015-TW001	TCL VOCs	Potable Water	3/18/2019	16:24	3	40 mL VOA	4 C, HCl pH<2	N
	P015-TW001-01	P015-TW001	TCL SVOCs	Potable Water	3/18/2019	16:24	2	1 liter amber	4 C	N
	P016-TW001-01	P016-TW001	TCL PCBs	Potable Water	3/18/2019	15:52	2	1 liter amber	4 C	N
	P016-TW001-01	P016-TW001	TCL VOCs	Potable Water	3/18/2019	15:52	3	40 mL VOA	4 C, HCl pH<2	N
	P016-TW001-01	P016-TW001	TCL SVOCs	Potable Water	3/18/2019	15:52	2	1 liter amber	4 C	N
	P017-TW001-01	P017-TW001	TCL PCBs	Potable Water	3/18/2019	15:15	2	1 liter amber	4 C	N
	P017-TW001-01	P017-TW001	TCL VOCs	Potable Water	3/18/2019	15:15	3	40 mL VOA	4 C, HCl pH<2	N
	P017-TW001-01	P017-TW001	TCL SVOCs	Potable Water	3/18/2019	15:15	2	1 liter amber	4 C	N
	P018-TW001-01	P018-TW001	TCL PCBs	Potable Water	3/18/2019	18:19	2	1 liter amber	4 C	N
	P018-TW001-01	P018-TW001	TCL VOCs	Potable Water	3/18/2019	18:19	3	40 mL VOA	4 C, HCl pH<2	N
	P018-TW001-01	P018-TW001	TCL SVOCs	Potable Water	3/18/2019	18:19	2	1 liter amber	4 C	N
	P020-TW001-01	P020-TW001	TCL PCBs	Potable Water	3/18/2019	17:34	2	1 liter amber	4 C	N
	P020-TW001-01	P020-TW001	TCL VOCs	Potable Water	3/18/2019	17:34	3	40 mL VOA	4 C, HCl pH<2	N
	P020-TW001-01	P020-TW001	TCL SVOCs	Potable Water	3/18/2019	17:34	2	1 liter amber	4 C	N
	P024-TW001-01	P024-TW001	TCL VOCs	Potable Water	3/18/2019	19:05	3	40 mL VOA	4 C, HCl pH<2	N
	P024-TW001-01	P024-TW001	TCL SVOCs	Potable Water	3/18/2019	19:05	2	1 liter amber	4 C	N

N<sup>o</sup>  
TAGS

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM  
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples/ All Analyses	<i>[Signature]</i> Westonsolutions	7/20/19 1000	<i>[Signature]</i>	9:30 3-21-19	IR-Gun #1 2.44

K2049

USEPA

Date Shipped: 3/20/2019  
 Carrier Name: FedEx  
 Airbill No: 7747-4858-3040

CHAIN OF CUSTODY RECORD

Site #: 526  
 Contact Name: Michael Lang  
 Contact Phone: 908-565-2974

No: 2-031919-0370-0083-0001

Cooler #:-76  
 Lab: Chemtech Consulting Group  
 Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P024-TW001-01	P024-TW001	TCL PCBs	Potable Water	3/18/2019	19:05	2	1 liter amber	4 C	N
	P024-TW002-01	P024-TW002	TCL VOCs	Potable Water	3/18/2019	19:20	3	40 mL VOA	4 C, HCl pH<2	N
	P024-TW002-01	P024-TW002	TCL SVOCs	Potable Water	3/18/2019	19:20	2	1 liter amber	4 C	N
	P024-TW002-01	P024-TW002	TCL PCBs	Potable Water	3/18/2019	19:20	2	1 liter amber	4 C	N
	P025-TW001-01	P025-TW001	TCL VOCs	Potable Water	3/18/2019	18:57	3	40 mL VOA	4 C, HCl pH<2	N
	P025-TW001-01	P025-TW001	TCL SVOCs	Potable Water	3/18/2019	18:57	2	1 liter amber	4 C	N
	P025-TW001-01	P025-TW001	TCL PCBs	Potable Water	3/18/2019	18:57	2	1 liter amber	4 C	N
	TB-190319-01	TB-190319	TCL VOCs	Potable Water	3/19/2019	20:00	3	40 mL VOA	4 C, HCl pH<2	N

NO TAGS

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples / All Analyzed	<i>[Signature]</i>	3/19/2019 10:00	<i>[Signature]</i>	9:30 3-21-19	IR Gun #1 2.4°C

FORM DC-1  
SAMPLE LOG-IN SHEET

K2049

Lab Name CHEMTECH CONSULTING GROUP		Page <u>1</u> of <u>1</u>
Received By (Print Name) <u>Cassara Peris</u>		Log-in Date <u>3/21/2019</u>
Received By (Signature) <u>[Signature]</u>		
Case Number <u>RFP 526</u>	SDG No. <u>K2049</u>	MA No. <u>N/A</u>

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>n/a</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No.	<u>774748593040</u>
6. Sample Tags	Absent
Sample Tag #	Not Listed on Traffic Report
7. Sample Condition	Intact
8. Shipping Container Temperature Indicator Bottle	Present
9. Shipping Container Temperature	<u>2.4</u> Degree C
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree?	Yes
11. Date Received at Lab	<u>03/21/2019</u>
12. Time Received	<u>09:30</u>

	EPA Sample #	Corresponding		Remarks: Condition of Sample shipment, etc.
		Sample Tag #	Assigned Lab #	
1	P002-TW001-01	n/a	K2049-01	Intact
2	P002-TW001-01M	n/a	K2049-02	Intact
3	P002-TW001-01M	n/a	K2049-03	Intact
4	P002-TW001-02	n/a	K2049-04	Intact
5	P003-TW001-01	n/a	K2049-05	Intact
6	P005-TW001-01	n/a	K2049-06	Intact
7	P006-TW001-01	n/a	K2049-07	Intact
8	P009-TW001-01	n/a	K2049-08	Intact
9	P013-TW001-01	n/a	K2049-09	Intact
10	P015-TW001-01	n/a	K2049-10	Intact
11	P016-TW001-01	n/a	K2049-11	Intact
12	P017-TW001-01	n/a	K2049-12	Intact
13	P018-TW001-01	n/a	K2049-13	Intact
14	P020-TW001-01	n/a	K2049-14	Intact
15	P024-TW001-01	n/a	K2049-15	Intact
16	P024-TW002-01	n/a	K2049-16	Intact
17	P025-TW001-01	n/a	K2049-17	Intact
18	TB-190319-01	n/a	K2049-18	Intact
19				
20				
21				
22				
23				
24				
25				
26				

\* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. <u>[Signature]</u>
Date <u>3/21/19</u>	Logbook Page No. <u>[Signature]</u>



## REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site      SDG No.: K2052LAB: Chemtech Consulting Group, Mountainside, New JerseyANALYSIS: Volatile Organic Compounds (VOCs), Semivolatile Organic Compounds (SVOCs), and Polychlorinated Biphenyls (PCBs).No. of Samples/Matrix: 14/Potable Water & 1/Trip BlankCONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency (EPA) Region II data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
VOCs	CLP SOW SOM02.4	No. HW-34A (Revision 1), September 2016
SVOCs	CLP SOW SOM02.4	No. HW-35A (Revision 1), September 2016
PCBs	CLP SOW SOM02.4	No. HW-37A (Revision 0), June 2015

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer

Signature: Smita Sumbaly Date: 4/13/2019Verified By: Date: 4/13/2019

From March 19 through 21, 2019, EPA Region II and RST 3 personnel collected 14 potable samples for TCL VOCs, TCL SVOCs, and TCL PCBs, analyses; and one trip blank for TCL VOCs analysis. All the samples were collected from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were hand-delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample cooler's temperature measured 3.1 Degrees Celsius (°C).

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
<b>SDG K2052</b>				
P001-TW001-03	K2052-01	Potable Water	TCL VOCs, SVOC, and PCB	3/19/2019
P001-TW001-04 <sup>1</sup>	K2052-04	Potable Water	TCL VOCs, SVOC, and PCB	3/19/2019
P001-TW002-02	K2052-05	Potable Water	TCL VOCs, SVOC, and PCB	3/19/2019
P004-TW001-01	K2052-06	Potable Water	TCL VOCs, SVOC, and PCB	3/19/2019
P007-TW001-01	K2052-07	Potable Water	TCL VOCs, SVOC, and PCB	3/19/2019
P010-TW001-01	K2052-08	Potable Water	TCL VOCs, SVOC, and PCB	3/20/2019
P011-TW001-01	K2052-09	Potable Water	TCL VOCs, SVOC, and PCB	3/19/2019
P012-TW001-01	K2052-10	Potable Water	TCL VOCs, SVOC, and PCB	3/20/2019
P014-TW001-01	K2052-11	Potable Water	TCL VOCs, SVOC, and PCB	3/19/2019
P019-TW001-01	K2052-12	Potable Water	TCL VOCs, SVOC, and PCB	3/20/2019
P021-TW001-01	K2052-13	Potable Water	TCL VOCs, SVOC, and PCB	3/20/2019
P022-TW001-01	K2052-14	Potable Water	TCL VOCs, SVOC, and PCB	3/19/2019
P023-TW001-01	K2052-15	Potable Water	TCL VOCs, SVOC, and PCB	3/19/2019
TB-190320-01	K2052-16	Potable Water	TCL VOCs, SVOC, and PCB	3/20/2019
Village-Well02-01	K2052-17	Potable Water	TCL VOCs, SVOC, and PCB	3/21/2019
<sup>1</sup> A field duplicate of sample P001-TW001-03				

## DATA ASSESSMENT

### ANALYSIS: TVOA

The current SOP HW-34A (Revision 1) September 2016, USEPA Region II for the evaluation of trace volatile organic data generated through Statement of Work SOM02.2, and any future editorial revisions of SOM02.2 has been applied. Data have been reviewed according to the National Functional Guidelines Report. Tentatively Identified Compounds (TICs) for TVOA organic fraction is not validated.

#### 1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as unusable, "R". Use professional judgment to qualify detects and non-detects for aqueous sample whose temperature is above 6 degree or below 2 degree C. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.



**2. DEUTERATED MONITORING COMPOUNDS (DMC's)**

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of the SOP HW 34A (Rev 1), qualifications were applied as per Table 7 of the SOP HW 34A (Rev 1) to all the samples and analytes as shown below.

The following samples have one or more DMC/surrogate recovery values less than the expanded minimum criteria. Detected compounds are qualified J-. Non-detected compounds are qualified R.

**Vinyl chloride-d3:** Village-Well02-01

Vinyl chloride

The following samples have DMC/surrogate percent recoveries less than the primary minimum criteria. Detects are qualified as estimated J-. Non-detects are qualified as estimated UJ.

**Toluene-d8:** Village-Well02-01

Trichloroethene, Toluene, Tetrachloroethene, Ethylbenzene, o-Xylene, m,p-Xylene, Styrene, Isopropylbenzene

**3. MATRIX SPIKE/ MATRIX SPIKE DUPLICATE (MS/MSD) RECOVERY:**

MS/MSD data is generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data.

Sample P001-TW001-03 was used for MS/MSD analyses. The relative percent difference (RPD) exceeded the laboratory control limit of 14% for trichloroethene. Since, trichloroethene was not detected in sample P001-TW001-03, no action was required.

**4. BLANK CONTAMINATION:**

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-34A (Rev 1).

**A) Method blank contamination:**

No problems were found for this criterion.

**B) Field or rinse blank contamination:**

Not applicable.

**C) Trip blank contamination:**

No problems were found for this criterion.

**D) Storage Blank associated with VOA samples only:**

No problems were found for this criterion.

**E) Tentatively Identified Compounds:**

Tentatively Identified Compounds (TICs) for TVOA organic fraction are not validated.

**5. MASS SPECTROMETER TUNING:**

**Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity.**

**These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is Bromofluorobenzene (BFB). If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.**

No problems were found for this criterion.

**6. CALIBRATION:**

**Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.**

**A) Response Factor Gas chromatography/mass spectrometry (GC/MS):**

**The response factor measures the instrument's response to specific chemical compounds. All analytes for initial calibration, Initial Calibration Verification (ICV) and continuing calibration should meet the minimum relative response factor (RRF) criteria as listed in Table 2 of SOP HW 34A (Rev 1). If RRF is less than minimum RRF specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.**

No problems were found for this criterion.

**B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):**

**Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares**

the response factor of the continuing calibration check to the mean RRF from the initial calibration.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW 34A (Rev 1) for all target analytes. For the ICV/opening or closing continuing calibration verification (CCV) %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW 34A (Rev 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The CCV analyzed on Instrument MSVOA\_V on March 23, 2019 at 15:51 had a CCV %D for of 1,1-Dichloroethane 55.1%D; associated non-detected result for 1,1-Dichloroethane in sample Vollage-Well02-01 was estimated (UJ).

#### **7. INTERNAL STANDARDS PERFORMANCE GC/MS:**

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 9 of SOP HW 34A (Rev 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 9 of SOP HW 34A (Rev 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 9 of SOP HW 34A (Rev 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

#### **8. FIELD DUPLICATES:**

Sample P001-TW003-03 and its field duplicate P001-TW001-04 were collected and analyzed as an overall indication of precision. This analysis measures both field and laboratory precision. A control limit of 50% for the RPD was used for original and duplicate sample values. For field duplicate analysis that did not meet the technical criteria, the action was applied to only the field sample and its duplicate.

All results were comparable between field duplicate pair P001-TW001-03 and P001-TW001-04. No qualification was required.

**9. COMPOUND IDENTIFICATION:**

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the TIC the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

**10. CONTRACT PROBLEMS NON-COMPLIANCE:**

None

**11. FIELD DOCUMENTATION:**

No problems were identified.

**12. OTHER PROBLEMS:**

None.

**13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:**

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and electronic data deliverable (EDD) for applicable samples and analytes.

None

**ANALYSIS: SVOC**

The current SOP HW-35A (Revision 0) June 2015, USEPA Region II for the evaluation of semi-volatile organic data generated through Statement of Work SOM02.2 and National Functional Guidelines for Superfund Organic Methods Data Review, September 2015 (based on SOW02.3) were followed for data qualifications. TICs for SVOC organic fraction are not validated.

**1. HOLDING TIME:**

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded, qualifications will be applied as per SOP HW-35A (Rev 0).

The following semivolatile aqueous sample is extracted outside the holding time. Detected compounds are qualified J. Non-detected compounds are qualified UJ.

Village-Well02-01RX

## **2. DEUTERATED MONITORING COMPOUNDS (DMCs)**

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of SOP HW-35A (Revision 0), qualifications were applied as per Table 7 of SOP HW-35A (Revision 0) to the samples and analytes as shown below.

The following sample analyses have DMC/surrogate percent recoveries less than the primary minimum criteria and less than the expanded minimum criteria. Detects are qualified J- Non-detects are qualified UJ.

**4-Chloroaniline-d4:** P004-TW001-01, P007-TW001-01, P010-TW001-01, P011-TW001-01, P012-TW001-01, P014-TW001-01, P019-TW001-01, P022-TW001-01, Village-Well02-01  
4-Chloroaniline, Hexachlorocyclopentadiene, and 3'3-Dichlorobenzidiene

**4-Nitrophenol-d4:** P001-TW001-03, P004-TW001-01, P007-TW001-01, P010-TW001-01, P011-TW001-01, P021-TW001-01, Village-Well02-01, and Village-Well02-01RX  
2-Nitroaniline, 3-Nitroaniline, 2,4-Dinitrophenol, 4-Nitrophenol, and 4-Nitroaniline

**Phenol-d5:** Village-Well02-01 and Village-Well02-01RX  
Benzaldehyde and Phenol

**Acenaphthylene-d8:** Village-Well02-01, and Village-Well02-01RX  
Naphthalene, 2-Methylnaphthalene, 2-Chloronaphthalene, Acenaphthylene, Acenaphthene

The following semivolatile samples have one or more DMC/SMC recovery values less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J-. Non-detected compounds are qualified UJ.

**2-Chlorophenol-d4:** Village-Well02-01  
2-Chlorophenol

The following diluted sample analyses have DMC/surrogate percent recoveries less than the expanded minimum criteria. Detects are qualified J-. Non-detects are qualified R.

**4-Methylphenol-d8:** Village-Well02-01 and Village-Well02-01RX  
2-Methylphenol, 4-Methylphenol, and 2,4-Dimethylphenol

**Anthracene-d10:** Village-Well02-01 and Village-Well02-01RX  
Hexachlorobenzene, Atrazine, Phenanthrene, and Anthracene

**Pyrene-d10:** Village-Well02-01 and Village-Well02-01RX  
Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene

**Benzo(a)pyrene-d12:** Village-Well02-01 and Village-Well02-01RX  
Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene,  
Dibenzo(a,h)anthracene, and Benzo(g,h,i)perylene

### **3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):**

**MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.**

Sample P001-TW001-03 was used for MS/MSD analyses. The MSD recovery was below the QC limit for 4-nitrophenol. Since, 4-nitrophenol was previously qualified in sample P001-TW001-03 due to non-compliant surrogate recoveries, no further action was required.

### **4. BLANK CONTAMINATION:**

**Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-35A (Rev 0).**

#### **A) Method blank contamination:**

No problems were found for this criterion.

#### **B) Field or rinse blank contamination:**

No problems were found for this criterion.

#### **C) Tentatively Identified Compounds (TICs):**

Section 9 for details of qualifiers applied to quantitated results for TICs.

### **5. MASS SPECTROMETER TUNING:**

**Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for Semi-volatiles is Decafluorotriphenyl-phosphine (DFTPP). If the mass calibration is in error, all associated data will be classified as unusable "R".**

No problems were found for this criterion.

**6. CALIBRATION:**

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

**A) Response Factor GC/MS:**

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW-35A (Rev 0). If RRF is less than minimum RRF as specified in Table 2 for all target analytes, use professional judgment to qualify those detects in the sample as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

**B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):**

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent difference compares the response factor of the CCV to the mean RRF from the initial calibration. Percent difference is a measure of the instrument's daily performance. Percent RSD must be less than maximum %RSD in Table 2 of SOP HW-35A (Rev 0) for all target analytes. For the opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW-35A (Rev 0) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

2-Nitroaniline in the initial calibration exceeded the maximum %RSD; since this analyte was not detected in the associated samples, data qualification was not applied.

**7. INTERNAL STANDARDS PERFORMANCE GC/MS:**

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 10 of SOP HW-35A (Rev 0) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 10 of SOP HW-35A (Rev 0). If the area count is greater than the upper control limit, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the expanded lower control limit, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 10 of SOP HW-35A (Rev 0), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

#### **8. FIELD DUPLICATES:**

Sample P001-TW003-03 and its field duplicate P001-TW001-04 were collected and analyzed as an overall indication of precision. This analysis measures both field and laboratory precision. A control limit of 50% for the RPD was used for original and duplicate sample values. For field duplicate analysis that did not meet the technical criteria, the action was applied to only the field sample and its duplicate.

SVOCs were not detected in sample P001-TW001-03 and its field duplicate P001-TW001-04.

#### **9. COMPOUND IDENTIFICATION:**

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which have a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

For TICs positively identified and reported by the laboratory, N-flag was applied where applicable and due to poor match (<85%) to the reference spectra, the positive TICs identified and reported by the laboratory were changed to "UNKNOWN" or a generic identification (refer to Form Is).

#### **10. CONTRACT PROBLEMS NON-COMPLIANCE:**

None

#### **11. FIELD DOCUMENTATION:**

No problems were identified.

#### **12. OTHER PROBLEMS:**

None



**13. DILUTIONS, RE-EXTRACTIONS and REANALYSIS:**

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report and the other report is marked as not to be used. The following Form 1(s) are not used:

Village-Well02-01RX

**ANALYSIS: PCB**

The current SOP HW-37A (Revision 0) June 2015, USEPA Region II for the evaluation of PCB data generated through Statement of Work SOM02.2 and National Functional Guidelines for Superfund Organic Methods Data Review, September 2015 (based on SOW02.3) were followed for data qualifications.

**1. HOLDING TIME:**

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

**2. SURROGATES:**

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 5 of the SOP HW-37A (Revision 0), qualifications were applied to the samples and analytes as shown below.

The recoveries of surrogate compound tetrachloro-m-xylene (TCMX) exceeded the laboratory control limits in the undiluted analysis of samples P001-TW001-03, P004-TW001-01, P010-TW001-01, P011-TW001-01, P012-TW001-01, P014-TW001-01, and P019-TW001-01. Only non-detected Aroclor results were reported from the undiluted analyses. Non-detected results were not qualified based on the high surrogate recoveries.

**3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):**

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

**4. Laboratory Control Samples (LCS):**

LCS data provides information on the accuracy of the analytical method and laboratory performance. If LCS recoveries fell outside of the acceptable limits, qualifications were applied to the associated samples and compounds as shown below.

No problems were found for this criterion.

**5. BLANK CONTAMINATION:**

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects U. Qualifications were applied to the samples and analytes as shown below.

**A) Method blank contamination:**

No problems were found for this criterion.

**B) Field or rinse blank contamination:**

No problems were found for this criterion.

**6. CALIBRATION:**

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

**A) Percent Relative Standard Deviation (%RSD):**

For the PCB fraction, if %RSD exceeds 20% for any analytes and the two surrogates, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

**B) Percent Difference (%D):**

For opening CCV, or closing CCV that is used as an opening CCV for the next 12-hour period, if %D exceeds 25% for analytes and the two surrogates, qualify all associated positive results "J" and non-detects "UJ". For closing CCV, if %D exceeds 50% for any analytes and the two surrogates, qualify all associated positive results "J" and non-detects "UJ". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

**7. FIELD DUPLICATES:**

Sample P001-TW003-03 and its field duplicate P001-TW001-04 were collected and analyzed as an overall indication of precision. This analysis measures both field and laboratory precision. A control limit of 50% for the RPD was used for original and duplicate sample values. For field duplicate analysis that did not meet the technical criteria, the action was applied to only the field sample and its duplicate.

PCBs were not detected in sample P001-TW001-03 and its field duplicate P001-TW001-04.

**8. COMPOUND IDENTIFICATION:**

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns. A GC/MS confirmation is required if the concentrations for both analytical columns are  $\geq 10$  ug/mL in the final sample extract. If target compounds were detected on both GC columns, and the percent difference between the two results is greater than 25.0%, qualify the data according to the guidelines in Table 14 of the SOP HW-36A (Revision 0). Qualifications were applied to the samples and analytes as shown below.

TCL PCBs were not detected in any samples.

**9. CONTRACT PROBLEMS NON-COMPLIANCE:**

No problems were identified.

**10. FIELD DOCUMENTATION:**

No problems were identified.

**11. OTHER PROBLEMS:**

None

**12. DILUTIONS, RE-EXTRACTIONS & RE-ANALYSIS:**

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report and the other report is marked as not to be used. The following Form 1(s) are not used:

None

the 1990s, the number of people with a disability in the United States has increased by 50% (U.S. Census Bureau 2000). The number of people with a disability in the United States is expected to increase to 100 million by the year 2020 (U.S. Census Bureau 2000).

As the number of people with a disability increases, the need for accessible information and communication technologies (ICT) also increases. The United States Department of Justice (DOJ) has issued a series of regulations that require federal agencies to make their ICT accessible to people with a disability (DOJ 2000). The regulations require federal agencies to make their ICT accessible to people with a disability in a way that is equivalent to the way that people without a disability can access the ICT.

The regulations also require federal agencies to make their ICT accessible to people with a disability in a way that is equivalent to the way that people without a disability can access the ICT. The regulations require federal agencies to make their ICT accessible to people with a disability in a way that is equivalent to the way that people without a disability can access the ICT.

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## OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: March 19, 2019

Matrix	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
Field Sample ID	P001-TW001-03	P001-TW001-04 <sup>1</sup>	P001-TW002-02	P004-TW001-01	P007-TW001-01
Lab Sample ID	K2052-01	K2052-04	K2052-05	K2052-06	K2052-07
Sample weight/Volume (mL)	25 mL	25 mL	25 mL	25 mL	25 mL
Dilution Factor	1	1	1	1	1
<b>Volatile Organic Compounds (ug/L)</b>					
Dichlorodifluoromethane	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Chloromethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Vinyl chloride	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Bromomethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chloroethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Trichlorofluoromethane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,1-Dichloroethene	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Acetone	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
Carbon disulfide	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
Methyl Acetate	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Methylene chloride	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
trans-1,2-Dichloroethene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Methyl tert-butyl Ether	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,1-Dichloroethane	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
cis-1,2-Dichloroethene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2-Butanone	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Bromochloromethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chloroform	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,1-Trichloroethane	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Cyclohexane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Carbon tetrachloride	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Benzene	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,2-Dichloroethane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Trichloroethene	2.1	2.3	0.09 U	0.09 U	0.09 U
Methylcyclohexane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichloropropane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Bromodichloromethane	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
cis-1,3-Dichloropropene	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
4-Methyl-2-pentanone	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Toluene	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
trans-1,3-Dichloropropene	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
1,1,2-Trichloroethane	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Tetrachloroethene	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
2-Hexanone	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dibromochloromethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,2-Dibromoethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chlorobenzene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Ethylbenzene	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
o-xylene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
m,p-xylene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Styrene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Bromoform	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Isopropylbenzene	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,2,2-Tetrachloroethane	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,3-Dichlorobenzene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,4-Dichlorobenzene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichlorobenzene	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,2-Dibromo-3-chloropropane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-trichlorobenzene	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
1,2,3-Trichlorobenzene	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U

U: Not detected at the indicated concentration.

µg/L = micrograms per Liter

<sup>1</sup> A field duplicate of P001-TW001-03

## OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATES: March 19 and 20, 2019

Matrix	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
Field Sample ID	P010-TW001-01	P011-TW001-01	P012-TW001-01	P014-TW001-01	P019-TW001-01
Lab Sample ID	K2052-08	K2052-09	K2052-10	K2052-11	K2052-12
Sample weight/Volume (mL)	25 mL	25 mL	25 mL	25 mL	25 mL
Dilution Factor	1	1	1	1	1
<b>Volatile Organic Compounds (ug/L)</b>					
Dichlorodifluoromethane	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Chloromethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Vinyl chloride	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Bromomethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chloroethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Trichlorofluoromethane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,1-Dichloroethene	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Acetone	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
Carbon disulfide	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
Methyl Acetate	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Methylene chloride	1.1	0.09 U	0.09 U	0.09 U	0.56
trans-1,2-Dichloroethene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Methyl tert-butyl Ether	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,1-Dichloroethane	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
cis-1,2-Dichloroethene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2-Butanone	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Bromochloromethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chloroform	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,1-Trichloroethane	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Cyclohexane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Carbon tetrachloride	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Benzene	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,2-Dichloroethane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Trichloroethene	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Methylcyclohexane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichloropropane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Bromodichloromethane	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
cis-1,3-Dichloropropene	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
4-Methyl-2-pentanone	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Toluene	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
trans-1,3-Dichloropropene	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
1,1,2-Trichloroethane	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Tetrachloroethene	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
2-Hexanone	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dibromochloromethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,2-Dibromoethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chlorobenzene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Ethylbenzene	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
o-xylene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
m,p-xylene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Styrene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Bromoform	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Isopropylbenzene	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,2,2-Tetrachloroethane	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,3-Dichlorobenzene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,4-Dichlorobenzene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichlorobenzene	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,2-Dibromo-3-chloropropane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-trichlorobenzene	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
1,2,3-Trichlorobenzene	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U

U: Not detected at the indicated concentration.

µg/L = micrograms per liter

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATES: March 19 through 21, 2019

Matrix	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
Field Sample ID	P021-TW001-01	P022-TW001-01	P023-TW001-01	TB-190320-01	Potable Water Village-Well02-01
Lab Sample ID	K2052-13	K2052-14	K2052-15	K2052-16	K2052-17
Sample weight/Volume (mL)	25 mL	25 mL	25 mL	25 mL	25 mL
Dilution Factor	1	1	1	1	1
<b>Volatile Organic Compounds (ug/L)</b>					
Dichlorodifluoromethane	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Chloromethane	0.08 U	0.08 U	0.08 U	0.08 U	0.39 J
Vinyl chloride	0.09 U	0.09 U	0.09 U	0.09 U	R
Bromomethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chloroethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Trichlorofluoromethane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,1-Dichloroethene	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Acetone	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
Carbon disulfide	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
Methyl Acetate	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Methylene chloride	0.09 U	0.09 U	0.09 U	0.09 U	0.26 J
trans-1,2-Dichloroethene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Methyl tert-butyl Ether	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,1-Dichloroethane	0.09 U	0.09 U	0.09 U	0.09 U	0.09 UJ
cis-1,2-Dichloroethene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2-Butanone	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Bromochloromethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chloroform	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,1-Trichloroethane	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Cyclohexane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Carbon tetrachloride	0.08 U	0.08 U	0.08 U	0.08 U	0.25 J
Benzene	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,2-Dichloroethane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Trichloroethene	0.09 U	0.54	1.2	0.09 U	0.09 UJ
Methylcyclohexane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichloropropane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Bromodichloromethane	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
cis-1,3-Dichloropropene	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
4-Methyl-2-pentanone	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Toluene	0.09 U	0.09 U	0.09 U	0.09 U	0.09 UJ
trans-1,3-Dichloropropene	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
1,1,2-Trichloroethane	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Tetrachloroethene	0.08 U	0.08 U	0.08 U	0.08 U	0.08 UJ
2-Hexanone	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dibromochloromethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
1,2-Dibromoethane	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chlorobenzene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Ethylbenzene	0.08 U	0.08 U	0.08 U	0.08 U	0.08 UJ
o-xylene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ
m,p-xylene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ
Styrene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ
Bromoform	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Isopropylbenzene	0.11 U	0.11 U	0.11 U	0.11 U	0.11 UJ
1,1,2,2-Tetrachloroethane	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,3-Dichlorobenzene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,4-Dichlorobenzene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichlorobenzene	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,2-Dibromo-3-chloropropane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-trichlorobenzene	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
1,2,3-Trichlorobenzene	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U

U: Not detected at the indicated concentration.

µg/L = micrograms per Liter

J: Estimated result

R - Rejected

**E. Additional Comments:****Calculation:**

$$\text{Concentration in ug/L} = \frac{(A_x) (I_s) (DF)}{(A_{is}) (RRF) (V_o)}$$

Where,

A<sub>x</sub> = Area of the characteristic ion (EICP) for the compound to be measured.

A<sub>is</sub> = Area of the characteristic ion (EICP) for the internal standard.

I<sub>s</sub> = Amount of internal standard added in ng.

RRF = Mean Relative Response Factor from the initial calibration standard.

V<sub>o</sub> = Total volume of water purged, in mL.

DF = Dilution Factor.

**F. Manual Integration Comments:**

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature *Mildred V Reyes*

**APPROVED**

By Mildred V Reyes, QAQC Supervisor at 10:16 am, Apr 05, 2019



**Cover Page****Order ID :** K2052**Project ID :** RFP 526**Client :** Weston Solutions, Inc.**Lab Sample Number**

K2052-01  
 K2052-02  
 K2052-03  
 K2052-04  
 K2052-05  
 K2052-06  
 K2052-07  
 K2052-08  
 K2052-09  
 K2052-10  
 K2052-11  
 K2052-12  
 K2052-13  
 K2052-14  
 K2052-15  
 K2052-16  
 K2052-17  
 K2052-18

**Client Sample Number**

P001-TW001-03  
 P001-TW001-03MS  
 P001-TW001-03MSD  
 P001-TW001-04  
 P001-TW002-02  
 P004-TW001-01  
 P007-TW001-01  
 P010-TW001-01  
 P011-TW001-01  
 P012-TW001-01  
 P014-TW001-01  
 P019-TW001-01  
 P021-TW001-01  
 P022-TW001-01  
 P023-TW001-01  
 TB-190320-01  
 VILLAGE WELLS-01  
 VHBLK01

*Village Wells-01*

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : *Mildred V Reyes***APPROVED**

By Mildred V Reyes, QAQC Supervisor at 10:16 am, Apr 05, 2019

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

**CASE NARRATIVE**

**Weston Solutions, Inc.**

**Project Name: RFP 526**

**Project # N/A**

**Chemtech Project # K2052**

**Test Name: VOC-Low Level -15**

**A. Number of Samples and Date of Receipt:**

18 Water samples were received on 03/21/2019.

**B. Parameters**

According to the Chain of Custody document, the following analyses were requested: PCB, SVOC-SIMGroup1, SVOCMS Group1 and VOC-Low Level -15. This data package contains results for VOC-Low Level -15.

**C. Analytical Techniques:**

The analysis performed on instrument MSVOA\_V were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI The analysis of VOC-Low Level -15 was based on method SOM02.4\_Trace.

**D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for ~~VILLAGE-WELL~~02-01 [Toluene-d8 - 63.06%, Vinyl Chloride-d3 - 6.12%] due to matrix interference. As per method three surrogates are allowed to fail. Therefore no further corrective action was taken.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD for {K2052-03MSD} with File ID: VV009842.D met criteria except for Trichloroethene[18%].

The Blank analysis did not indicate the presence of lab contamination.

The Storage Blank did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration File ID VV009850.D met the requirements except for 1,1-Dichloroethane. As per method two compounds and/or DMCs are allowed to fail (Excluding those compounds with minimum RRF requirement of 0.010). Therefore no further corrective action was taken.

The Tuning criteria met requirements.

**SAMPLE**  
**DATA**

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P001-TW001-03

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-01  
 Lab File ID : VV009828.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	2.1	

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P001-TW001-03

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-01  
 Lab File ID : VV009828.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P001-TW001-03

3  
2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-01  
 Lab File ID : VV009828.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

3  
2.2  
P001-TW001-04

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-04  
 Lab File ID : VV009829.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	2.3	

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

3  
 2.2  
 P001-TW001-04

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-04  
 Lab File ID : VV009829.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U



FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P001-TW001-04

3  
2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-04  
 Lab File ID : VV009829.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P001-TW002-02

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-05  
 Lab File ID : VV009830.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P001-TW002-02

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-05  
 Lab File ID : VV009830.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P001-TW002-02

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-05  
 Lab File ID : VV009830.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

3  
2.2  
P004-TW001-01

Lab Name : Chemtech Consulting Group  
Lab Code: CHM Case No.: RFP 526  
Analytical Method : Trace VOA  
Matrix : Water  
Sample wt/vol : 25.0 (g/mL): mL  
& Solids : \_\_\_\_\_  
GC Column : DB-624UI ID : 0.18 (mm)  
GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
Extract Concentrated : (Y / N) \_\_\_\_\_  
Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
Heated Purge : (Y / N) N  
Purge Volume : 25 (mL)  
Cleanup Types : \_\_\_\_\_  
Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
MA No. : \_\_\_\_\_ SDG No. : K2052  
Level : \_\_\_\_\_  
Lab Sample ID : K2052-06  
Lab File ID : VV009831.D  
Date Received : 03/21/2019  
Date Extracted : \_\_\_\_\_  
Date Analyzed : 03/22/2019  
Extract Volume : \_\_\_\_\_ (µL)  
Extraction Type : PT  
Injection Volume : \_\_\_\_\_ (µL)  
pH : 1.0 Dilution Factor : 1.0  
Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P004-TW001-01

3  
2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-06  
 Lab File ID : VV009831.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P004-TW001-01

3  
2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-06  
 Lab File ID : VV009831.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P007-TW001-01

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-07  
 Lab File ID : VV009832.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U



FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P007-TW001-01

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-07  
 Lab File ID : VV009832.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P007-TW001-01

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-07  
 Lab File ID : VV009832.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P010-TW001-01

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-08  
 Lab File ID : VV009833.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	1.1	
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P010-TW001-01

3  
2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-08  
 Lab File ID : VV009833.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P010-TW001-01

3

2.1

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-08  
 Lab File ID : VV009833.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P011-TW001-01

3  
2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-09  
 Lab File ID : VV009834.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P011-TW001-01

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-09  
 Lab File ID : VV009834.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P011-TW001-01

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-09  
 Lab File ID : VV009834.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U



FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P012-TW001-01

3  
2.2

Lab Name : Chemtech Consulting Group Contract : EPW14030  
 Lab Code: CHM Case No.: RFP 526 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Analytical Method : Trace VOA Level : \_\_\_\_\_  
 Matrix : Water Lab Sample ID : K2052-10  
 Sample wt/vol : 25.0 (g/mL): mL Lab File ID : VV009835.D  
 % Solids : \_\_\_\_\_ Date Received : 03/21/2019  
 GC Column : DB-624UI ID : 0.18 (mm) Date Extracted : \_\_\_\_\_  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm) Date Analyzed : 03/22/2019  
 Extract Concentrated : (Y / N) \_\_\_\_\_ Extract Volume : \_\_\_\_\_ (µL)  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL) Extraction Type : PT  
 Heated Purge : (Y / N) N Injection Volume : \_\_\_\_\_ (µL)  
 Purge Volume : 25 (mL) pH : 1.0 Dilution Factor : 1.0  
 Cleanup Types : \_\_\_\_\_ Cleanup Factor : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P012-TW001-01

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-10  
 Lab File ID : VV009835.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P012-TW001-01

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-10  
 Lab File ID : VV009835.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P014-TW001-01

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-11  
 Lab File ID : VV009836.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P014-TW001-01

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-11  
 Lab File ID : VV009836.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P014-TW001-01

3

2.1

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-11  
 Lab File ID : VV009836.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P019-TW001-01

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-12  
 Lab File ID : VV009837.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.56	
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P019-TW001-01

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-12  
 Lab File ID : VV009837.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U



FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P019-TW001-01

3  
2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-12  
 Lab File ID : VV009837.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P021-TW001-01

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-13  
 Lab File ID : VV009838.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P021-TW001-01

3  
2.2

Lab Name : Chemtech Consulting Group Contract : EPW14030  
 Lab Code: CHM Case No.: RFP 526 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Analytical Method : Trace VOA Level : \_\_\_\_\_  
 Matrix : Water Lab Sample ID : K2052-13  
 Sample wt/vol : 25.0 (g/mL): mL Lab File ID : VV009838.D  
 % Solids : \_\_\_\_\_ Date Received : 03/21/2019  
 GC Column : DB-624UI ID : 0.18 (mm) Date Extracted : \_\_\_\_\_  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm) Date Analyzed : 03/22/2019  
 Extract Concentrated : (Y / N) \_\_\_\_\_ Extract Volume : \_\_\_\_\_ (µL)  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL) Extraction Type : PT  
 Heated Purge : (Y / N) N Injection Volume : \_\_\_\_\_ (µL)  
 Purge Volume : 25 (mL) pH : 1.0 Dilution Factor : 1.0  
 Cleanup Types : \_\_\_\_\_ Cleanup Factor : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P021-TW001-01

3  
2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (μL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (μg/L, mg/L, μg/kg): μg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-13  
 Lab File ID : VV009838.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (μL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (μL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P022-TW001-01

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-14  
 Lab File ID : VV009839.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.54	

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P022-TW001-01

3  
2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-14  
 Lab File ID : VV009839.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P022-TW001-01

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-14  
 Lab File ID : VV009839.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P023-TW001-01

3  
2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-15  
 Lab File ID : VV009840.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	1.2	



FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P023-TW001-01

3  
2.2

Lab Name : Chemtech Consulting Group Contract : EPW14030  
 Lab Code: CHM Case No.: RFP 526 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Analytical Method : Trace VOA Level : \_\_\_\_\_  
 Matrix : Water Lab Sample ID : K2052-15  
 Sample wt/vol : 25.0 (g/mL): mL Lab File ID : VV009840.D  
 % Solids : \_\_\_\_\_ Date Received : 03/21/2019  
 GC Column : DB-624UI ID : 0.18 (mm) Date Extracted : \_\_\_\_\_  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm) Date Analyzed : 03/22/2019  
 Extract Concentrated : (Y / N) \_\_\_\_\_ Extract Volume : \_\_\_\_\_ (µL)  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL) Extraction Type : PT  
 Heated Purge : (Y / N) N Injection Volume : \_\_\_\_\_ (µL)  
 Purge Volume : 25 (mL) pH : 1.0 Dilution Factor : 1.0  
 Cleanup Types : \_\_\_\_\_ Cleanup Factor : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P023-TW001-01

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-15  
 Lab File ID : VV009840.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

TB-190320-01

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-16  
 Lab File ID : VV009827.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

TB-190320-01

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-16  
 Lab File ID : VV009827.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

TB-190320-01

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-16  
 Lab File ID : VV009827.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/22/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

Village Well  
 VILLAGE-WELL02-01

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-17  
 Lab File ID : VV009848.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/23/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.39	J
75-01-4	Vinyl chloride	<del>0.090</del>	<del>U</del> R
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.26	J
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U J
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.25	J
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U J

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

Village Well  
 VILLAGE WELL02-01

3

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL) : mL  
 % Solids :  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : ID : (mm)  
 Extract Concentrated : (Y / N)  
 Soil Aliquot (VOA) : (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types :  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : SDG No.: K2052  
 Level :  
 Lab Sample ID : K2052-17  
 Lab File ID : VV009848.D  
 Date Received : 03/21/2019  
 Date Extracted :  
 Date Analyzed : 03/23/2019  
 Extract Volume : (µL)  
 Extraction Type : PT  
 Injection Volume : (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor :

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U F
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U F
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U F
95-47-6	o-xylene	0.10	U F
179601-23-1	m,p-xylene	0.10	U F
100-42-5	Styrene	0.10	U F
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U F
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

419119

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

Village Well  
 VILLAGE WELL02-01

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-17  
 Lab File ID : VV009848.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/23/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U



FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

VHBLK01

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-18  
 Lab File ID : VV009849.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/23/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	0.11	U
74-87-3	Chloromethane	0.080	U
75-01-4	Vinyl chloride	0.090	U
74-83-9	Bromomethane	0.080	U
75-00-3	Chloroethane	0.080	U
75-69-4	Trichlorofluoromethane	0.10	U
75-35-4	1,1-Dichloroethene	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U
67-64-1	Acetone	0.96	U
75-15-0	Carbon disulfide	0.070	U
79-20-9	Methyl Acetate	0.14	U
75-09-2	Methylene chloride	0.090	U
156-60-5	trans-1,2-Dichloroethene	0.10	U
1634-04-4	Methyl tert-butyl Ether	0.080	U
75-34-3	1,1-Dichloroethane	0.090	U
156-59-2	cis-1,2-Dichloroethene	0.10	U
78-93-3	2-Butanone	1.1	U
74-97-5	Bromochloromethane	0.080	U
67-66-3	Chloroform	0.11	U
71-55-6	1,1,1-Trichloroethane	0.090	U
110-82-7	Cyclohexane	0.10	U
56-23-5	Carbon tetrachloride	0.080	U
71-43-2	Benzene	0.080	U
107-06-2	1,2-Dichloroethane	0.10	U
79-01-6	Trichloroethene	0.090	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

VHBLK01

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-18  
 Lab File ID : VV009849.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/23/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
108-87-2	Methylcyclohexane	0.10	U
78-87-5	1,2-Dichloropropane	0.080	U
75-27-4	Bromodichloromethane	0.090	U
10061-01-5	cis-1,3-Dichloropropene	0.12	U
108-10-1	4-Methyl-2-pentanone	0.54	U
108-88-3	Toluene	0.090	U
10061-02-6	trans-1,3-Dichloropropene	0.070	U
79-00-5	1,1,2-Trichloroethane	0.090	U
127-18-4	Tetrachloroethene	0.080	U
591-78-6	2-Hexanone	0.81	U
124-48-1	Dibromochloromethane	0.080	U
106-93-4	1,2-Dibromoethane	0.080	U
108-90-7	Chlorobenzene	0.10	U
100-41-4	Ethylbenzene	0.080	U
95-47-6	o-xylene	0.10	U
179601-23-1	m,p-xylene	0.10	U
100-42-5	Styrene	0.10	U
75-25-2	Bromoform	0.060	U
98-82-8	Isopropylbenzene	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U
541-73-1	1,3-Dichlorobenzene	0.10	U
106-46-7	1,4-Dichlorobenzene	0.10	U
95-50-1	1,2-Dichlorobenzene	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	0.20	U
120-82-1	1,2,4-trichlorobenzene	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

VHBLK01

3

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : Trace VOA  
 Matrix : Water  
 Sample wt/vol : 25.0 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : DB-624UI ID : 0.18 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) \_\_\_\_\_  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) N  
 Purge Volume : 25 (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-18  
 Lab File ID : VV009849.D  
 Date Received : 03/21/2019  
 Date Extracted : \_\_\_\_\_  
 Date Analyzed : 03/23/2019  
 Extract Volume : \_\_\_\_\_ (µL)  
 Extraction Type : PT  
 Injection Volume : \_\_\_\_\_ (µL)  
 pH : 1.0 Dilution Factor : 1.0  
 Cleanup Factor : \_\_\_\_\_

CAS NO.	ANALYTE	CONCENTRATION	Q
87-61-6	1,2,3-Trichlorobenzene	0.090	U



**LAB CHRONICLE**



K2052-01	P001-TW001-03	Water	VOC-Low Level -15	SOM02.4_Trac e	03/19/19	03/22/19	03/21/19
K2052-04	P001-TW001-04	Water	VOC-Low Level -15	SOM02.4_Trac e	03/19/19	03/22/19	03/21/19
K2052-05	P001-TW002-02	Water	VOC-Low Level -15	SOM02.4_Trac e	03/19/19	03/22/19	03/21/19
K2052-06	P004-TW001-01	Water	VOC-Low Level -15	SOM02.4_Trac e	03/19/19	03/22/19	03/21/19
K2052-07	P007-TW001-01	Water	VOC-Low Level -15	SOM02.4_Trac e	03/19/19	03/22/19	03/21/19
K2052-08	P010-TW001-01	Water	VOC-Low Level -15	SOM02.4_Trac e	03/20/19	03/22/19	03/21/19
K2052-09	P011-TW001-01	Water	VOC-Low Level -15	SOM02.4_Trac e	03/19/19	03/22/19	03/21/19
K2052-10	P012-TW001-01	Water	VOC-Low Level -15	SOM02.4_Trac e	03/20/19	03/22/19	03/21/19
K2052-11	P014-TW001-01	Water	VOC-Low Level -15	SOM02.4_Trac e	03/19/19	03/22/19	03/21/19



284 Sheffield Street, Mountainside, New Jersey - 07092  
Phone: (908) 789 8900 Fax: (908) 789 8922

**LAB CHRONICLE**

K2052-12	P019-TW001-01	Water	VOC-Low Level -15	SOM02.4_Trac e	03/20/19	03/22/19	03/21/19
K2052-13	P021-TW001-01	Water	VOC-Low Level -15	SOM02.4_Trac e	03/20/19	03/22/19	03/21/19
K2052-14	P022-TW001-01	Water	VOC-Low Level -15	SOM02.4_Trac e	03/19/19	03/22/19	03/21/19
K2052-15	P023-TW001-01	Water	VOC-Low Level -15	SOM02.4_Trac e	03/19/19	03/22/19	03/21/19
K2052-16	TB-190320-01	Water	VOC-Low Level -15	SOM02.4_Trac e	03/20/19	03/22/19	03/21/19
K2052-17	<i>Village Well</i> VILLAGE-WELL02-01	Water	VOC-Low Level -15	SOM02.4_Trac e	03/21/19	03/23/19	03/21/19
K2052-18	VHBLK01	Water	VOC-Low Level -15	SOM02.4_Trac e	03/21/19	03/23/19	03/21/19



## OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: March 19, 2019

Matrix	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
Field Sample ID	P001-TW001-03	P001-TW001-04 <sup>1</sup>	P001-TW002-02	P004-TW001-01	P007-TW001-01
Lab Sample ID	K2052-01	K2052-04	K2052-05	K2052-06	K2052-07
Sample weight/Volume (mL)	1000 mL	1000 mL	1000 mL	1000 mL	1000 mL
Dilution Factor	1	1	1	1	1
<b>Semi-Volatile Organic Compounds (ug/L)</b>					
Benzaldehyde	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Phenol	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
Bis(2-Chloroethyl)ether	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
2-Chlorophenol	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
2-Methylphenol	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
2,2-oxybis(1-Chloropropane)	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Acetophenone	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
4-Methylphenol	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
N-Nitroso-di-n-propylamine	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Hexachloroethane	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
Nitrobenzene	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Isophorone	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
2-Nitrophenol	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
2,4-Dimethylphenol	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Bis(2-Chloroethoxy)methane	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
2,4-Dichlorophenol	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Naphthalene	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
4-Chloroaniline	0.38 U	0.38 U	0.38 U	0.38 UJ	0.38 UJ
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Caprolactam	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
4-Chloro-3-methylphenol	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylnaphthalene	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Hexachlorocyclopentadiene	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 UJ
2,4,6-Trichlorophenol	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,4,5-Trichlorophenol	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Biphenyl	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Chloronaphthalene	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
2-Nitroaniline	0.63 UJ	0.63 U	0.63 U	0.63 UJ	0.63 UJ
Dimethylphthalate	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
2,6-Dinitrotoluene	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Acenaphthylene	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
3-Nitroaniline	0.43 UJ	0.43 U	0.43 U	0.43 UJ	0.43 UJ
Acenaphthene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U
2,4-Dinitrophenol	0.63 UJ	0.63 U	0.63 U	0.63 UJ	0.63 UJ
4-Nitrophenol	0.8 UJ	0.8 U	0.8 U	0.8 UJ	0.8 UJ
Dibenzofuran	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,4-Dinitrotoluene	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Diethylphthalate	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Fluorene	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
4-Chlorophenyl-phenylether	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
4-Nitroaniline	0.65 UJ	0.65 U	0.65 U	0.65 UJ	0.65 UJ
4,6-Dinitro-2-methylphenol	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
N-Nitrosodiphenylamine	1 U	1 U	1 U	1 U	1 U
1,2,4,5-Tetrachlorobenzene	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
4-Bromophenyl-phenylether	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
Hexachlorobenzene	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Atrazine	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Pentachlorophenol	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
Phenanthrene	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Anthracene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Carbazole	1 U	1 U	1 U	1 U	1 U
Di-n-butylphthalate	1 U	1 U	1 U	1 U	1 U
Fluoranthene	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
Pyrene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Butylbenzylphthalate	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
3,3-Dichlorobenzidine	0.64 U	0.64 U	0.64 U	0.64 UJ	0.64 UJ
Benzo(a)anthracene	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U

## OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: March 19, 2019

Matrix Field Sample ID Lab Sample ID Sample weight/Volume (mL) Dilution Factor	Potable Water P001-TW001-03 K2052-01 1000 mL 1	Potable Water P001-TW001-04 <sup>1</sup> K2052-04 1000 mL 1	Potable Water P001-TW002-02 K2052-05 1000 mL 1	Potable Water P004-TW001-01 K2052-06 1000 mL 1	Potable Water P007-TW001-01 K2052-07 1000 mL 1
Chrysene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Bis(2-ethylhexyl)phthalate	1 U	1 U	1 U	1 U	1 U
Di-n-octyl phthalate	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
Benzo(k)fluoranthene	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Benzo(a)pyrene	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Indeno(1,2,3-cd)pyrene	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibenzo(a,h)anthracene	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Benzo(g,h,i)perylene	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
2,3,4,6-Tetrachlorophenol	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U

1A field duplicate of P001-TW001-03

U: Not detected at the indicated concentration.

UJ: Not detected at the estimated concentration.

J: Estimated result.

Bolted result - Detected Value

µg/L = micrograms per Liter



## OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATES: March 19 and 20, 2019

Matrix Field Sample ID Lab Sample ID Sample weight/Volume (mL) Dilution Factor	Potable Water P010-TW001-01 K2052-08 1000 mL 1	Potable Water P011-TW001-01 K2052-09 1000 mL 1	Potable Water P012-TW001-01 K2052-10 1000 mL 1	Potable Water P014-TW001-01 K2052-11 1000 mL 1	Potable Water P019-TW001-01 K2052-12 1000 mL 1
<b>Semi-Volatile Organic Compounds (ug/L)</b>					
Benzaldehyde	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Phenol	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
Bis(2-Chloroethyl)ether	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
2-Chlorophenol	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
2-Methylphenol	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
2,2-oxybis(1-Chloropropane)	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Acetophenone	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
4-Methylphenol	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
N-Nitroso-di-n-propylamine	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Hexachloroethane	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
Nitrobenzene	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Isophorone	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
2-Nitrophenol	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
2,4-Dimethylphenol	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Bis(2-Chloroethoxy)methane	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
2,4-Dichlorophenol	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Naphthalene	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
4-Chloroaniline	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Caprolactam	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
4-Chloro-3-methylphenol	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylnaphthalene	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Hexachlorocyclopentadiene	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ
2,4,6-Trichlorophenol	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,4,5-Trichlorophenol	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Biphenyl	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2-Chloronaphthalene	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
2-Nitroaniline	0.63 UJ	0.63 UJ	0.63 U	0.63 U	0.63 U
Dimethylphthalate	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
2,6-Dinitrotoluene	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Acenaphthylene	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
3-Nitroaniline	0.43 UJ	0.43 UJ	0.43 U	0.43 U	0.43 U
Acenaphthene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U
2,4-Dinitrophenol	0.63 UJ	0.63 UJ	0.63 U	0.63 U	0.63 U
4-Nitrophenol	0.8 UJ	0.8 UJ	0.8 U	0.8 U	0.8 U
Dibenzofuran	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,4-Dinitrotoluene	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Diethylphthalate	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Fluorene	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
4-Chlorophenyl-phenylether	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
4-Nitroaniline	0.65 UJ	0.65 UJ	0.65 U	0.65 U	0.65 U
4,6-Dinitro-2-methylphenol	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
N-Nitrosodiphenylamine	1 U	1 U	1 U	1 U	1 U
1,2,4,5-Tetrachlorobenzene	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
4-Bromophenyl-phenylether	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
Hexachlorobenzene	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Atrazine	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Pentachlorophenol	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
Phenanthrene	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Anthracene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Carbazole	1 U	1 U	1 U	1 U	1 U
Di-n-butylphthalate	1 U	1 U	1 U	1 U	1 U
Fluoranthene	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
Pyrene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Butylbenzylphthalate	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
3,3-Dichlorobenzidine	0.64 UJ	0.64 UJ	0.64 UJ	0.64 UJ	0.64 UJ
Benzo(a)anthracene	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U

## OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATES: March 19 and 20, 2019

Matrix Field Sample ID Lab Sample ID Sample weight/Volume (mL) Dilution Factor	Potable Water P010-TW001-01 K2052-08 1000 mL 1	Potable Water P011-TW001-01 K2052-09 1000 mL 1	Potable Water P012-TW001-01 K2052-10 1000 mL 1	Potable Water P014-TW001-01 K2052-11 1000 mL 1	Potable Water P019-TW001-01 K2052-12 1000 mL 1
Chrysene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Bis(2-ethylhexyl)phthalate	1 U	1 U	1 U	1 U	1 U
Di-n-octyl phthalate	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
Benzo(k)fluoranthene	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Benzo(a)pyrene	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Indeno(1,2,3-cd)pyrene	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibenzo(a,h)anthracene	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Benzo(g,h,i)perylene	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
2,3,4,6-Tetrachlorophenol	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U

U: Not detected at the indicated concentration.

UJ: Not detected at the estimated concentration.

J: Estimated result.

Bolded result - Detected Value

µg/L = micrograms per Liter

## OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATES: March 19 through 21, 2019

Matrix	Potable Water	Potable Water	Potable Water	Potable Water
Field Sample ID	P021-TW001-01	P022-TW001-01	P023-TW001-01	Village-Well02-01
Lab Sample ID	K2052-13	K2052-14	K2052-15	K2052-17
Sample weight/Volume (mL)	1000 mL	1000 mL	1000 mL	1000 mL
Dilution Factor	1	1	1	1
<b>Semi-Volatile Organic Compounds (ug/L)</b>				
Benzaldehyde	0.21 U	0.21 U	0.21 U	0.21 UJ
Phenol	0.71 U	0.71 U	0.71 U	0.71 UJ
Bis(2-Chloroethyl)ether	0.34 U	0.34 U	0.34 U	0.34 U
2-Chlorophenol	0.24 U	0.24 U	0.24 U	0.24 UJ
2-Methylphenol	0.6 U	0.6 U	0.6 U	R
2,2-oxybis(1-Chloropropane)	0.28 U	0.28 U	0.28 U	0.28 U
Acetophenone	0.28 U	0.28 U	0.28 U	0.28 U
4-Methylphenol	0.56 U	0.56 U	0.56 U	R
N-Nitroso-di-n-propylamine	0.41 U	0.41 U	0.41 U	0.41 U
Hexachloroethane	0.83 U	0.83 U	0.83 U	0.83 U
Nitrobenzene	0.38 U	0.38 U	0.38 U	0.38 U
Isophorone	0.44 U	0.44 U	0.44 U	0.44 U
2-Nitrophenol	0.28 U	0.28 U	0.28 U	0.28 U
2,4-Dimethylphenol	0.51 U	0.51 U	0.51 U	R
Bis(2-Chloroethoxy)methane	1.8 U	1.8 U	1.8 U	1.8 U
2,4-Dichlorophenol	0.33 U	0.33 U	0.33 U	0.33 U
Naphthalene	0.37 U	0.37 U	0.37 U	0.37 UJ
4-Chloroaniline	0.38 U	0.38 UJ	0.38 U	1.3 J
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	1.1 U
Caprolactam	1.1 U	1.1 U	1.1 U	1.1 U
4-Chloro-3-methylphenol	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylnaphthalene	0.41 U	0.41 U	0.41 U	0.41 UJ
Hexachlorocyclopentadiene	1.2 U	1.2 UJ	1.2 U	1.2 U
2,4,6-Trichlorophenol	0.36 U	0.36 U	0.36 U	0.36 U
2,4,5-Trichlorophenol	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Biphenyl	0.25 U	0.25 U	0.25 U	0.25 U
2-Chloronaphthalene	0.27 U	0.27 U	0.27 U	0.27 UJ
2-Nitroaniline	0.63 UJ	0.63 U	0.63 U	0.63 UJ
Dimethylphthalate	0.57 U	0.57 U	0.57 U	0.57 U
2,6-Dinitrotoluene	0.34 U	0.34 U	0.34 U	0.34 U
Acenaphthylene	1.4 U	1.4 U	1.4 U	1.4 UJ
3-Nitroaniline	0.43 UJ	0.43 U	0.43 U	0.43 UJ
Acenaphthene	0.58 U	0.58 U	0.58 U	0.58 UJ
2,4-Dinitrophenol	0.63 U	0.63 U	0.63 U	0.63 UJ
4-Nitrophenol	0.8 U	0.8 U	0.8 U	0.8 UJ
Dibenzofuran	0.36 U	0.36 U	0.36 U	0.36 U
2,4-Dinitrotoluene	0.47 U	0.47 U	0.47 U	0.47 U
Diethylphthalate	0.92 U	0.92 U	0.92 U	0.92 U
Fluorene	0.26 U	0.26 U	0.26 U	0.26 U
4-Chlorophenyl-phenylether	0.51 U	0.51 U	0.51 U	0.51 U
4-Nitroaniline	0.65 UJ	0.65 U	0.65 U	0.65 UJ
4,6-Dinitro-2-methylphenol	1.4 U	1.4 U	1.4 U	1.4 U
N-Nitrosodiphenylamine	1 U	1 U	1 U	1 U
1,2,4,5-Tetrachlorobenzene	0.56 U	0.56 U	0.56 U	0.56 U
4-Bromophenyl-phenylether	0.35 U	0.35 U	0.35 U	0.35 U
Hexachlorobenzene	0.26 U	0.26 U	0.26 U	R
Atrazine	1.2 U	1.2 U	1.2 U	R
Pentachlorophenol	0.57 U	0.57 U	0.57 U	0.57 U
Phenanthrene	0.4 U	0.4 U	0.4 U	R
Anthracene	1.2 U	1.2 U	1.2 U	R
Carbazole	1 U	1 U	1 U	1 U
Di-n-butylphthalate	1 U	1 U	1 U	1 U
Fluoranthene	0.66 U	0.66 U	0.66 U	R
Pyrene	1.2 U	1.2 U	1.2 U	R
Butylbenzylphthalate	1.7 U	1.7 U	1.7 U	1.7 U
3,3-Dichlorobenzidine	0.64 U	0.64 UJ	0.64 U	0.64 U
Benzo(a)anthracene	0.9 U	0.9 U	0.9 U	R

## OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATES: March 19 through 21, 2019

Matrix	Potable Water	Potable Water	Potable Water	Potable Water
Field Sample ID	P021-TW001-01	P022-TW001-01	P023-TW001-01	Village-Well02-01
Lab Sample ID	K2052-13	K2052-14	K2052-15	K2052-17
Sample weight/Volume (mL)	1000 mL	1000 mL	1000 mL	1000 mL
Dilution Factor	1	1	1	1
Chrysene	1.1 U	1.1 U	1.1 U	R
Bis(2-ethylhexyl)phthalate	1 U	1 U	1 U	1 U
Di-n-octyl phthalate	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene	0.76 U	0.76 U	0.76 U	R
Benzo(k)fluoranthene	1.7 U	1.7 U	1.7 U	R
Benzo(a)pyrene	1.3 U	1.3 U	1.3 U	R
Indeno(1,2,3-cd)pyrene	1.7 U	1.7 U	1.7 U	R
Dibenzo(a,h)anthracene	0.52 U	0.52 U	0.52 U	R
Benzo(g,h,i)perylene	1.7 U	1.7 U	1.7 U	R
2,3,4,6-Tetrachlorophenol	0.41 U	0.41 U	0.41 U	0.41 U

U: Not detected at the indicated concentration.

UJ: Not detected at the estimated concentration.

J: Estimated result.

R: Rejected

Boded result - Detected Value

µg/L = micrograms per Liter



## CASE NARRATIVE

**Weston Solutions, Inc.****Project Name: RFP 526****Project # N/A****Chemtech Project # K2052****Test Name: SVOCMS Group1****A. Number of Samples and Date of Receipt:**

18 Water samples were received on 03/21/2019.

**B. Parameters**

According to the Chain of Custody document, the following analyses were requested: PCB, SVOC-SIMGroup1, SVOCMS Group1 and VOC-Low Level -15. This data package contains results for SVOCMS Group1.

**C. Analytical Techniques:**

The samples were analyzed on instrument BNA\_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GG. The analysis of SVOCMS Group1 was based on method SOM02.4\_SVOC and extraction was done based on method 3510.

**D. QA/ QC Samples:**

The Holding Times were met for all analysis except for ~~VILLAGE-WELL~~02-01RX. <sup>Village-Well</sup> Ⓢ  
The Surrogate recoveries met the acceptable criteria except for P001-TW001-03 [4-Nitrophenol-d4 - 9%], P004-TW001-01 [4-Chloroaniline-d4 - 0%, 4-Nitrophenol-d4 - 9%], P007-TW001-01 [4-Chloroaniline-d4 - 0%, 4-Nitrophenol-d4 - 7%], P010-TW001-01 [4-Chloroaniline-d4 - 0%, 4-Nitrophenol-d4 - 7%], P011-TW001-01 [4-Chloroaniline-d4 - 0%, 4-Nitrophenol-d4 - 8%], P012-TW001-01 [4-Chloroaniline-d4 - 0%], P014-TW001-01 [4-Chloroaniline-d4 - 0%], P019-TW001-01 [4-Chloroaniline-d4 - 0%], P021-TW001-01 [4-Nitrophenol-d4 - 9%], P022-TW001-01 [4-Chloroaniline-d4 - 0%], VILLAGE-WELL02-01 [2-Chlorophenol-d4 - 11%, 4-Methylphenol-d8 - 7%, 4-Nitrophenol-d4 - 0%, Acenaphthylene-d8 - 0%, Anthracene-d10 - 0%, Benzo(a)pyrene-d12 - 0%, Phenol-d5 - 0%, Pyrene-d10 - 0%], VILLAGE-WELL02-01RX [4-Methylphenol-d8 - 8%, 4-Nitrophenol-d4 - 1%, Acenaphthylene-d8 - 0%, Anthracene-d10 - 1%, Benzo(a)pyrene-d12 - 0%, Phenol-d5 - 0% and Pyrene-d10 - 0%]. As per method four surrogates are allowed to fail. No further corrective action was taken except for sample ~~VILLAGE-WELL~~02-01. More than four surrogates are failed for sample ~~VILLAGE-WELL~~02-01. <sup>Village-Well</sup> Ⓢ Therefore as a corrective action sample was re-extracted and reanalyzed and confirmed for the failure. Re-extracted sample extracted out of holding time. Both analysis are reported.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD {K2052-03MSD} with File ID: BM019457.D recoveries met the acceptable requirements except for 4-Nitrophenol [8%]

The RPD met criteria.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met requirements except for 2-Nitroaniline. As per method four compounds are allowed to fail, not exceed 40%. No further corrective action was taken.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

### Concentration of Water Sample:

$$\text{Concentration ug/L} = \frac{(Ax) (Is) (Vt) (DF) (GPC)}{(Ais) (RRF) (\overline{Vo}) (Vi)}$$

Where,

Ax = Area of the characteristic ion for the compound to be measured.

Ais = Area of the characteristic ion for the internal standard.

Is = Amount of internal standard injected in ng.

Vo = Volume of water extracted in mL.

Vi = Volume of extract injected in uL.

Vt = Volume of the concentrated extract in uL

Df = Dilution factor

RRF = Mean Relative Response Factor determined from the initial calibration standard.

GPC =  $\frac{V_{in}}{V_{out}}$  = GPC factor (If no GPC is performed, GPC=1)

### E. Additional Comments:

### F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature *Mildred V Reyes*

**APPROVED**

By Mildred V Reyes, QAQC Supervisor at 10:15 am, Apr 05, 2019

**SAMPLE**  
**DATA**



FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P001-TW001-03

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-01  
 Lab File ID : EM019455.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis(2-Chloroethyl) ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P001-TW001-03

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-01  
 Lab File ID : BM019455.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U J
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U J
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U J
100-02-7	4-Nitrophenol	0.80	U J
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U J
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U

4115119

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P001-TW001-03

4  
 2.2  
 A  
 B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-01  
 Lab File ID : BM019455.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U
56-55-3	Benzo (a) anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis (2-ethylhexyl) phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo (b) fluoranthene	0.76	U
207-08-9	Benzo (k) fluoranthene	1.7	U
50-32-8	Benzo (a) pyrene	1.3	U
193-39-5	Indeno (1, 2, 3-cd) pyrene	1.7	U
53-70-3	Dibenzo (a, h) anthracene	0.52	U
191-24-2	Benzo (g, h, i) perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

FORM 1B-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

P001-TW001-03

4

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-01  
 Lab File ID : BM019455.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/23/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

A

B

CAS NO.	ANALYTE	RT	EST. CONC.	Q
1 E966796	Total Alkanes	N/A	12	

EPA-designated Registry Number.

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P001-TW001-04

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-04  
 Lab File ID : BM019436.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis(2-Chloroethyl) ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P001-TW001-04

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-04  
 Lab File ID : BM019436.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U
100-02-7	4-Nitrophenol	0.80	U
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P001-TW001-04

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-04  
 Lab File ID : BM019436.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U
56-55-3	Benzo(a)anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo(b)fluoranthene	0.76	U
207-08-9	Benzo(k)fluoranthene	1.7	U
50-32-8	Benzo(a)pyrene	1.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U
53-70-3	Dibenzo(a,h)anthracene	0.52	U
191-24-2	Benzo(g,h,i)perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

FORM 1B-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

P001-TW001-04

4

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-04  
 Lab File ID : BM019436.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

A

B

CAS NO.	ANALYTE	RT	EST. CONC.	Q
1 E966796	Total Alkanes	N/A	4.1	

EPA-designated Registry Number.



FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P001-TW002-02

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-05  
 Lab File ID : BM019452.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis(2-Chloroethyl) ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P001-TW002-02

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-05  
 Lab File ID : BM019452.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U
100-02-7	4-Nitrophenol	0.80	U
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P001-TW002-02

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-05  
 Lab File ID : BM019452.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U
56-55-3	Benzo(a)anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo(b)fluoranthene	0.76	U
207-08-9	Benzo(k)fluoranthene	1.7	U
50-32-8	Benzo(a)pyrene	1.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U
53-70-3	Dibenzo(a,h)anthracene	0.52	U
191-24-2	Benzo(g,h,i)perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

FORM 1B-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

P001-TW002-02

4

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-05  
 Lab File ID : BM019452.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

A

B

CAS NO.	ANALYTE	RT	EST. CONC.	Q
1 E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P004-TW001-01

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-06  
 Lab File ID : BM019448.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis(2-Chloroethyl) ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U J
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U J
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P004-TW001-01

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-06  
 Lab File ID : BM019448.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U J
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U J
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U J
100-02-7	4-Nitrophenol	0.80	U J
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U J
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P004-TW001-01

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-06  
 Lab File ID : BM019448.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U J
56-55-3	Benzo(a)anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo(b)fluoranthene	0.76	U
207-08-9	Benzo(k)fluoranthene	1.7	U
50-32-8	Benzo(a)pyrene	1.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U
53-70-3	Dibenzo(a,h)anthracene	0.52	U
191-24-2	Benzo(g,h,i)perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

4115119

FORM 1B-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

P004-TW001-01

4

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L,mg/L,µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-06  
 Lab File ID : BM019448.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

A

B

CAS NO.	ANALYTE	RT	EST. CONC.	Q
1 E966796	Total Alkanes	N/A	2.0	

EPA-designated Registry Number.



FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

4  
2.2  
A  
B  
P007-TW001-01

Lab Name : Chemtech Consulting Group  
Lab Code: CHM Case No.: RFP 526  
Analytical Method : SVOA  
Matrix : Water  
Sample wt/vol : 1000 (g/mL) : mL  
& Solids : \_\_\_\_\_  
GC Column : ZB-GR ID : 0.25 (mm)  
GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
Extract Concentrated : (Y / N) N  
Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
Heated Purge : (Y / N) \_\_\_\_\_  
Purge Volume : \_\_\_\_\_ (mL)  
Cleanup Types : \_\_\_\_\_  
Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
MA No. : \_\_\_\_\_ SDG No. : K2052  
Level : \_\_\_\_\_  
Lab Sample ID : K2052-07  
Lab File ID : BM019447.D  
Date Received : 03/21/2019  
Date Extracted : 03/24/2019  
Date Analyzed : 03/26/2019  
Extract Volume : 1000 (µL)  
Extraction Type : CONH  
Injection Volume : 1.0 (µL)  
pH : 6 Dilution Factor : 1.0  
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis(2-Chloroethyl) ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U J
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U J
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P007-TW001-01

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-07  
 Lab File ID : BM019447.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U H
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U H
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U H
100-02-7	4-Nitrophenol	0.80	U H
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U H
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P007-TW001-01

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-07  
 Lab File ID : BM019447.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U J
56-55-3	Benzo(a)anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo(b)fluoranthene	0.76	U
207-08-9	Benzo(k)fluoranthene	1.7	U
50-32-8	Benzo(a)pyrene	1.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U
53-70-3	Dibenzo(a,h)anthracene	0.52	U
191-24-2	Benzo(g,h,i)perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

4115119

FORM 1B-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

P007-TW001-01

4

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L,mg/L,µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-07  
 Lab File ID : BM019447.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

A

B

CAS NO.	ANALYTE	RT	EST. CONC.	Q
1 E966796	Total Alkanes	N/A	2.1	

EPA-designated Registry Number.

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P010-TW001-01

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-08  
 Lab File ID : BM019449.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis(2-Chloroethyl) ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U J
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U J
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P010-TW001-01

4

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-08  
 Lab File ID : BM019449.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U J
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U J
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U J
100-02-7	4-Nitrophenol	0.80	U J
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U J
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P010-TW001-01

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-08  
 Lab File ID : BM019449.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U J
56-55-3	Benzo(a)anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo(b)fluoranthene	0.76	U
207-08-9	Benzo(k)fluoranthene	1.7	U
50-32-8	Benzo(a)pyrene	1.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U
53-70-3	Dibenzo(a,h)anthracene	0.52	U
191-24-2	Benzo(g,h,i)perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

4/11/19

FORM 1B-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

P010-TW001-01

4

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-08  
 Lab File ID : BM019449.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/26/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

A

B

CAS NO.	ANALYTE	RT	EST. CONC.	Q
1 E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.



FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P011-TW001-01

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-09  
 Lab File ID : BM019440.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis(2-Chloroethyl) ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U J
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U J
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P011-TW001-01

4

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-09  
 Lab File ID : BM019440.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U J
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U J
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U J
100-02-7	4-Nitrophenol	0.80	U J
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U J
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P011-TW001-01

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-09  
 Lab File ID : BM019440.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U <u>J</u>
56-55-3	Benzo(a)anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo(b)fluoranthene	0.76	U
207-08-9	Benzo(k)fluoranthene	1.7	U
50-32-8	Benzo(a)pyrene	1.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U
53-70-3	Dibenzo(a,h)anthracene	0.52	U
191-24-2	Benzo(g,h,i)perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

4115119

FORM 1B-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

P011-TW001-01

4

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L,mg/L,µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-09  
 Lab File ID : BM019440.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

A

B

CAS NO.	ANALYTE	RT	EST. CONC.	Q
1 E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P012-TW001-01

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-10  
 Lab File ID : BM019439.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis(2-Chloroethyl) ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U J
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U J
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P012-TW001-01

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-10  
 Lab File ID : BM019439.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U
100-02-7	4-Nitrophenol	0.80	U
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P012-TW001-01

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-10  
 Lab File ID : BM019439.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U J
56-55-3	Benzo(a)anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo(b)fluoranthene	0.76	U
207-08-9	Benzo(k)fluoranthene	1.7	U
50-32-8	Benzo(a)pyrene	1.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U
53-70-3	Dibenzo(a,h)anthracene	0.52	U
191-24-2	Benzo(g,h,i)perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

4115119

FORM 1B-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

P012-TW001-01

4

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-10  
 Lab File ID : BM019439.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

A

B

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
1		unknown-01	23.65	2.0	J
2	E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.



FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P014-TW001-01

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-11  
 Lab File ID : BM019511.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis (2-Chloroethyl) ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis (1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis (2-Chloroethoxy) methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U J
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U J
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P014-TW001-01

4  
 2.2  
 A  
 B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-11  
 Lab File ID : BM019511.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U
100-02-7	4-Nitrophenol	0.80	U
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P014-TW001-01

4

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-11  
 Lab File ID : BM019511.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U <u>J</u>
56-55-3	Benzo(a)anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo(b)fluoranthene	0.76	U
207-08-9	Benzo(k)fluoranthene	1.7	U
50-32-8	Benzo(a)pyrene	1.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U
53-70-3	Dibenzo(a,h)anthracene	0.52	U
191-24-2	Benzo(g,h,i)perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

4115119

FORM 1B-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

P014-TW001-01

4

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L,mg/L,µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-11  
 Lab File ID : BM019511.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

A

B

CAS NO.	ANALYTE	RT	EST. CONC.	Q
1 E966796	Total Alkanes	N/A	2.7	B

EPA-designated Registry Number.

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

4  
 2.1  
 A  
 B  
 P019-TW001-01

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-12  
 Lab File ID : BM019512.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis(2-Chloroethyl) ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U <u>4</u>
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U <u>5</u>
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P019-TW001-01

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-12  
 Lab File ID : BM019512.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U
100-02-7	4-Nitrophenol	0.80	U
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P019-TW001-01

4

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-12  
 Lab File ID : BM019512.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U <u>J</u>
56-55-3	Benzo(a)anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo(b)fluoranthene	0.76	U
207-08-9	Benzo(k)fluoranthene	1.7	U
50-32-8	Benzo(a)pyrene	1.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U
53-70-3	Dibenzo(a,h)anthracene	0.52	U
191-24-2	Benzo(g,h,i)perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

9 4/15/19

FORM 1B-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

P019-TW001-01

4

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L,mg/L,µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-12  
 Lab File ID : BM019512.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

A

B

CAS NO.	ANALYTE	RT	EST. CONC.	Q
1 E966796	Total Alkanes	N/A	2.3	B

EPA-designated Registry Number.



FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P021-TW001-01

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-13  
 Lab File ID : BM019513.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis(2-Chloroethyl) ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

2021-TW001-01

4

2.2

A

B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-13  
 Lab File ID : BM019513.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U J
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U J
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U J
100-02-7	4-Nitrophenol	0.80	U J
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U J
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U

9 4115119

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P021-TW001-01

4

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-13  
 Lab File ID : BM019513.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U
56-55-3	Benzo(a)anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo(b)fluoranthene	0.76	U
207-08-9	Benzo(k)fluoranthene	1.7	U
50-32-8	Benzo(a)pyrene	1.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U
53-70-3	Dibenzo(a,h)anthracene	0.52	U
191-24-2	Benzo(g,h,i)perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

FORM 1B-OR  
ORGANIC ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

P021-TW001-01

4

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L,mg/L,µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-13  
 Lab File ID : BM019513.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

A

B

CAS NO.	ANALYTE	RT	EST. CONC.	Q
1 E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P022-TW001-01

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-14  
 Lab File ID : BM019514.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis(2-Chloroethyl) ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U J
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U J
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P022-TW001-01

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-14  
 Lab File ID : BM019514.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U
100-02-7	4-Nitrophenol	0.80	U
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P022-TW001-01

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-14  
 Lab File ID : BM019514.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U J
56-55-3	Benzo(a)anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo(b)fluoranthene	0.76	U
207-08-9	Benzo(k)fluoranthene	1.7	U
50-32-8	Benzo(a)pyrene	1.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U
53-70-3	Dibenzo(a,h)anthracene	0.52	U
191-24-2	Benzo(g,h,i)perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

9 4115119

FORM 1B-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

P022-TW001-01

4

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-14  
 Lab File ID : BM019514.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

A

B

CAS NO.	ANALYTE	RT	EST. CONC.	Q
1 E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.

Form 1B-OR

SOM02.4 (10/2016)



FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P023-TW001-01

4  
2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L,mg/L,µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-15  
 Lab File ID : BM019515.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U
108-95-2	Phenol	0.71	U
111-44-4	Bis(2-Chloroethyl)ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U
95-48-7	2-Methylphenol	0.60	U
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	0.56	U
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	0.51	U
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.38	U
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U
77-47-4	Hexachlorocyclopentadiene	1.2	U
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P023-TW001-01

4

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-15  
 Lab File ID : BM019515.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

A

B

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U
88-74-4	2-Nitroaniline	0.63	U
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U
99-09-2	3-Nitroaniline	0.43	U
83-32-9	Acenaphthene	0.58	U
51-28-5	2,4-Dinitrophenol	0.63	U
100-02-7	4-Nitrophenol	0.80	U
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U
1912-24-9	Atrazine	1.2	U
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	1.2	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P023-TW001-01

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-15  
 Lab File ID : BM019515.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	0.66	U
129-00-0	Pyrene	1.2	U
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U
56-55-3	Benzo(a)anthracene	0.90	U
218-01-9	Chrysene	1.1	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo(b)fluoranthene	0.76	U
207-08-9	Benzo(k)fluoranthene	1.7	U
50-32-8	Benzo(a)pyrene	1.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U
53-70-3	Dibenzo(a,h)anthracene	0.52	U
191-24-2	Benzo(g,h,i)perylene	1.7	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

FORM 1B-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

P023-TW001-01

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-15  
 Lab File ID : BM019515.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	RT	EST. CONC.	Q
1 E966796	Total Alkanes	N/A	0.0	

EPA-designated Registry Number.

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

Village Well  
 VILLAGE WELL 02-01

4  
 A  
 B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-17  
 Lab File ID : BM019516.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U J
108-95-2	Phenol	0.71	U J
111-44-4	Bis(2-Chloroethyl)ether	0.34	U
95-57-8	2-Chlorophenol	0.24	U J
95-48-7	2-Methylphenol	<del>0.60</del>	<del>U</del> R
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U
98-86-2	Acetophenone	0.28	U
106-44-5	4-Methylphenol	<del>0.56</del>	<del>U</del> R
621-64-7	N-Nitroso-di-n-propylamine	0.41	U
67-72-1	Hexachloroethane	0.83	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.44	U
88-75-5	2-Nitrophenol	0.28	U
105-67-9	2,4-Dimethylphenol	<del>0.51</del>	<del>U</del> R
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U
120-83-2	2,4-Dichlorophenol	0.33	U
91-20-3	Naphthalene	0.37	U J
106-47-8	4-Chloroaniline	1.3	J
87-68-3	Hexachlorobutadiene	1.1	U
105-60-2	Caprolactam	1.1	U
59-50-7	4-Chloro-3-methylphenol	0.50	U
91-57-6	2-Methylnaphthalene	0.41	U J
77-47-4	Hexachlorocyclopentadiene	1.2	U
88-06-2	2,4,6-Trichlorophenol	0.36	U
95-95-4	2,4,5-Trichlorophenol	0.27	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

~~Village Well~~  
 VILLAGE WELL 02-01

4  
 A  
 B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-17  
 Lab File ID : BM019516.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U
91-58-7	2-Chloronaphthalene	0.27	U J
88-74-4	2-Nitroaniline	0.63	U J
131-11-3	Dimethylphthalate	0.57	U
606-20-2	2,6-Dinitrotoluene	0.34	U
208-96-8	Acenaphthylene	1.4	U J
99-09-2	3-Nitroaniline	0.43	U J
83-32-9	Acenaphthene	0.58	U J
51-28-5	2,4-Dinitrophenol	0.63	U J
100-02-7	4-Nitrophenol	0.80	U J
132-64-9	Dibenzofuran	0.36	U
121-14-2	2,4-Dinitrotoluene	0.47	U
84-66-2	Diethylphthalate	0.92	U
86-73-7	Fluorene	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.51	U
100-01-6	4-Nitroaniline	0.65	U J
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U
86-30-6	N-Nitrosodiphenylamine	1.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U
101-55-3	4-Bromophenyl-phenylether	0.35	U
118-74-1	Hexachlorobenzene	0.26	U R
1912-24-9	Atrazine	1.2	U R
87-86-5	Pentachlorophenol	0.57	U
85-01-8	Phenanthrene	0.40	U R
120-12-7	Anthracene	1.2	U R

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

Village-Well  
~~VILLAGE-Well~~ 02-01

4

A

B

Lab Name : Chemtech Consulting Group Contract : EPW14030  
 Lab Code: CHM Case No.: RFP 526 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Analytical Method : SVOA Level : \_\_\_\_\_  
 Matrix : Water Lab Sample ID : K2052-17  
 Sample wt/vol : 1000 (g/mL): mL Lab File ID : BM019516.D  
 % Solids : \_\_\_\_\_ Date Received : 03/21/2019  
 GC Column : ZB-GR ID : 0.25 (mm) Date Extracted : 03/24/2019  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm) Date Analyzed : 03/27/2019  
 Extract Concentrated : (Y / N) N Extract Volume : 1000 (µL)  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL) Extraction Type : CONH  
 Heated Purge : (Y / N) \_\_\_\_\_ Injection Volume : 1.0 (µL)  
 Purge Volume : \_\_\_\_\_ (mL) pH : 6 Dilution Factor : 1.0  
 Cleanup Types : \_\_\_\_\_ Cleanup Factor : 1.0  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U
84-74-2	Di-n-butylphthalate	1.0	U
206-44-0	Fluoranthene	<del>0.66</del>	<del>U</del> R
129-00-0	Pyrene	<del>1.2</del>	<del>U</del> R
85-68-7	Butylbenzylphthalate	1.7	U
91-94-1	3,3-Dichlorobenzidine	0.64	U
56-55-3	Benzo(a)anthracene	<del>0.90</del>	<del>U</del> R
218-01-9	Chrysene	<del>1.1</del>	<del>U</del> R
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	U
117-84-0	Di-n-octyl phthalate	1.0	U
205-99-2	Benzo(b)fluoranthene	<del>0.76</del>	<del>U</del> R
207-08-9	Benzo(k)fluoranthene	<del>1.7</del>	<del>U</del> R
50-32-8	Benzo(a)pyrene	<del>1.3</del>	<del>U</del> R
193-39-5	Indeno(1,2,3-cd)pyrene	<del>1.7</del>	<del>U</del> R
53-70-3	Dibenzo(a,h)anthracene	<del>0.52</del>	<del>U</del> R
191-24-2	Benzo(g,h,i)perylene	<del>1.7</del>	<del>U</del> R
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U

FORM 1B-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

~~Village-Well~~  
~~VILLAGE-Well~~ 02-01 ~~2.2~~

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL) : mL  
 Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-17  
 Lab File ID : BM019516.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	RT	EST. CONC.	Q
1	unknown-01	4.32	34	J
2	<del>031038-06-9</del> Cyclopentane, 1,1-dichloro- <del>unknown</del>	4.37	3.3	JN
3	unknown-02	4.5	5.6	J
4	<del>000507-45-9</del> Butane, 2,3-dichloro-2-methyl- <del>unknown</del>	4.6	260	JN
5	<del>000926-57-8</del> 1,3-Dichloro-2-butene <del>unknown</del>	4.85	48	JN
6	<del>023010-04-0</del> Butane, 1,2-dichloro-2-methyl- <del>unknown</del>	4.97	6.6	JN
7	unknown-03	5.39	21	J
8	unknown-04	5.8	27	J
9	<del>026688-51-7</del> Cyclopentane, 1,3-dichloro-, cis- <del>unknown</del>	5.87	870	JN
10	unknown-05	6.16	46	J
11	unknown-06	6.29	35	J
12	<del>000930-29-0</del> Cyclopentane, 1-chloro- <del>unknown</del>	6.87	27	JN
13	unknown-07	7	66	J
14	unknown-08	7.3	23	J
15	<del>005355-54-4</del> 2,2-Bis(chloromethyl)-1-propanol <del>unknown</del>	7.85	6.3	JN
16	unknown-09	7.96	310	J
17	unknown-10	8.08	190	J
✓18	001067-09-0 2-Chloromethyl-1,3-dichloro-2-meth	8.43	15	JN
19	unknown-11	8.86	2.7	J
✓20	007554-65-6 Fomepizole	10.17	2.1	JN
21	unknown-12	10.83	3.2	J
22	unknown-13	11.27	2.5	J
23	unknown-14	11.4	2.9	J

EPA-designated Registry Number.



FORM 1B-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

~~Village Well~~  
 VILLAGE WELL 02-01

4  
 2.2  
 A  
 B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-17  
 Lab File ID : BM019516.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/27/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	RT	EST. CONC.	Q
24	unknown-15	11.43	2.6	J
25	unknown-16	11.66	2.3	J
26	unknown-17	17.83	4.6	J
27	<del>1000254-12-0</del> 2-Acetyl-6,7-methylenedioxy-1,2-benzodioxin <u>UNKNOWN</u>	17.93	2.2	JN
28	003024-25-7 2,7-Naphthalenediol, 1,8-dichloro-	18.07	2.3	JN
29	<del>005181-10-2</del> 4,4-Dichlorodiphenylsulphide <u>UNKNOWN</u>	19.84	17	JN
30	<del>000958-71-4</del> 11H-Dibenzo[c,f][1,2]diazepine <u>UNKNOWN</u>	21.66	13	JN
31	E966796 Total Alkanes	N/A	2.3	B

EPA-designated Registry Number.

*4/14/19*

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

Village Well  
 VILLAGE WELL02-01RX

4  
 2.2  
 A  
 B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids :  
 GC Column : ZB-GR ID : 0.25 (mm)  
 GC Column : ID : (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : (µL)  
 Heated Purge : (Y / N)  
 Purge Volume : (mL)  
 Cleanup Types :  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : SDG No.: K2052  
 Level :  
 Lab Sample ID : K2052-17RX  
 Lab File ID : BM019573.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/28/2019  
 Date Analyzed : 03/29/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : Dilution Factor : 1.0  
 Cleanup Factor : 1.0

*Do not use this form.*

CAS NO.	ANALYTE	CONCENTRATION	Q
100-52-7	Benzaldehyde	0.21	U J
108-95-2	Phenol	0.71	U J
111-44-4	Bis(2-Chloroethyl)ether	0.34	U J
95-57-8	2-Chlorophenol	0.24	U J
95-48-7	2-Methylphenol	0.60	U R
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U J
98-86-2	Acetophenone	0.28	U J
106-44-5	4-Methylphenol	0.56	U R
621-64-7	N-Nitroso-di-n-propylamine	0.41	U J
67-72-1	Hexachloroethane	0.83	U J
98-95-3	Nitrobenzene	0.38	U J
78-59-1	Isophorone	0.44	U J
88-75-5	2-Nitrophenol	0.28	U J
105-67-9	2,4-Dimethylphenol	0.51	U R
111-91-1	Bis(2-Chloroethoxy)methane	1.8	U J
120-83-2	2,4-Dichlorophenol	0.33	U J
91-20-3	Naphthalene	0.37	U J
106-47-8	4-Chloroaniline	0.38	U J
87-68-3	Hexachlorobutadiene	1.1	U J
105-60-2	Caprolactam	1.1	U J
59-50-7	4-Chloro-3-methylphenol	0.50	U J
91-57-6	2-Methylnaphthalene	0.41	U J
77-47-4	Hexachlorocyclopentadiene	1.2	U J
88-06-2	2,4,6-Trichlorophenol	0.36	U J
95-95-4	2,4,5-Trichlorophenol	0.27	U J

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

*Village Well*  
VILLAGE WELL02-01RX

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group Contract : EPW14030  
 Lab Code: CHM Case No.: RFP 526 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Analytical Method : SVOA Level : \_\_\_\_\_  
 Matrix : Water Lab Sample ID : K2052-17RX  
 Sample wt/vol : 1000 (g/mL) : mL Lab File ID : BM019573.D  
 % Solids : \_\_\_\_\_ Date Received : 03/21/2019  
 GC Column : ZB-GR ID : 0.25 (mm) Date Extracted : 03/28/2019  
 GC Column : \_\_\_\_\_ ID : \_\_\_\_\_ (mm) Date Analyzed : 03/29/2019  
 Extract Concentrated : (Y / N) N Extract Volume : 1000 (µL)  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL) Extraction Type : CONH  
 Heated Purge : (Y / N) \_\_\_\_\_ Injection Volume : 1.0 (µL)  
 Purge Volume : \_\_\_\_\_ (mL) pH : \_\_\_\_\_ Dilution Factor : 1.0  
 Cleanup Types : \_\_\_\_\_ Cleanup Factor : 1.0  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

*Do not use this form*

CAS NO.	ANALYTE	CONCENTRATION	Q
92-52-4	1,1-Biphenyl	0.25	U J
91-58-7	2-Chloronaphthalene	0.27	U J
88-74-4	2-Nitroaniline	0.63	U J
131-11-3	Dimethylphthalate	0.57	U J
606-20-2	2,6-Dinitrotoluene	0.34	U J
208-96-8	Acenaphthylene	1.4	U J
99-09-2	3-Nitroaniline	0.43	U J
83-32-9	Acenaphthene	0.58	U J
51-28-5	2,4-Dinitrophenol	0.63	U J
100-02-7	4-Nitrophenol	0.80	U J
132-64-9	Dibenzofuran	0.36	U J
121-14-2	2,4-Dinitrotoluene	0.47	U J
84-66-2	Diethylphthalate	0.92	U J
86-73-7	Fluorene	0.26	U J
7005-72-3	4-Chlorophenyl-phenylether	0.51	U J
100-01-6	4-Nitroaniline	0.65	U J
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U J
86-30-6	N-Nitrosodiphenylamine	1.0	U J
95-94-3	1,2,4,5-Tetrachlorobenzene	0.56	U J
101-55-3	4-Bromophenyl-phenylether	0.35	U J
118-74-1	Hexachlorobenzene	0.26	U R
1912-24-9	Atrazine	1.2	U R
87-86-5	Pentachlorophenol	0.57	U J
85-01-8	Phenanthrene	0.40	U R
120-12-7	Anthracene	1.2	U R

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

Village-Well  
VILLAGE-Well02-01RX

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
Lab Code: CHM Case No.: RFP 526  
Analytical Method : SVOA  
Matrix : Water  
Sample wt/vol : 1000 (g/mL): mL  
% Solids :  
GC Column : ZB-GR ID : 0.25 (mm)  
GC Column : ID : (mm)  
Extract Concentrated : (Y / N) N  
Soil Aliquot (VOA) : (µL)  
Heated Purge : (Y / N)  
Purge Volume : (mL)  
Cleanup Types :  
Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
MA No. : SDG No.: K2052  
Level :  
Lab Sample ID : K2052-17RX  
Lab File ID : BM019573.D  
Date Received : 03/21/2019  
Date Extracted : 03/28/2019  
Date Analyzed : 03/29/2019  
Extract Volume : 1000 (µL)  
Extraction Type : CONH  
Injection Volume : 1.0 (µL)  
pH : Dilution Factor : 1.0  
Cleanup Factor : 1.0

*Do not use this form*

CAS NO.	ANALYTE	CONCENTRATION	Q
86-74-8	Carbazole	1.0	U J
84-74-2	Di-n-butylphthalate	1.0	U J
206-44-0	Fluoranthene	0.66	U R
129-00-0	Pyrene	1.2	U R
85-68-7	Butylbenzylphthalate	1.7	U J
91-94-1	3,3-Dichlorobenzidine	0.64	U J
56-55-3	Benzo(a)anthracene	0.90	U R
218-01-9	Chrysene	1.1	U R
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	U J
117-84-0	Di-n-octyl phthalate	1.0	U J
205-99-2	Benzo(b)fluoranthene	0.76	U R
207-08-9	Benzo(k)fluoranthene	1.7	U R
50-32-8	Benzo(a)pyrene	1.3	U R
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U R
53-70-3	Dibenzo(a,h)anthracene	0.52	U R
191-24-2	Benzo(g,h,i)perylene	1.7	U R
58-90-2	2,3,4,6-Tetrachlorophenol	0.41	U J

*4/11/19*

FORM 1B-OR  
ORGANIC ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

~~Village Well~~  
VILLAGE-WELL02-01RX

4  
2.2  
A  
B

Lab Name : Chemtech Consulting Group  
Lab Code: CHM Case No.: RFP 526  
Analytical Method : SVOA  
Matrix : Water  
Sample wt/vol : 1000 (g/mL) : mL  
& Solids : \_\_\_\_\_  
GC Column : ZB-GR ID : 0.25 (mm)  
Extract Concentrated : (Y / N) N  
Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
Heated Purge : (Y / N) \_\_\_\_\_  
Purge Volume : \_\_\_\_\_ (mL)  
Cleanup Types : \_\_\_\_\_  
Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
MA No. : \_\_\_\_\_ SDG No. : K2052  
Level : \_\_\_\_\_  
Lab Sample ID : K2052-17RX  
Lab File ID : BM019573.D  
Date Received : 03/21/2019  
Date Extracted : 03/28/2019  
Date Analyzed : 03/29/2019  
Extract Volume : 1000 (µL)  
Extraction Type : CONH  
Injection Volume : 1.0 (µL)  
pH : 6 Dilution Factor : 1.0  
Cleanup Factor : 1.0

*DO NOT USE THIS FORM I.*

CAS NO.	ANALYTE	RT	EST. CONC.	Q	
1	001985-88-2	1,1-Dimethyl-3-chloropropanol	4.32	27	JN
2		unknown-01	4.37	2.4	J
3		unknown-02	4.5	4.5	J
4	000507-45-9	Butane, 2,3-dichloro-2-methyl-	4.6	210	JN
5	000926-57-8	1,3-Dichloro-2-butene	4.84	39	JN
6	023010-04-0	Butane, 1,2-dichloro-2-methyl-	4.97	6.0	JN
7		unknown-03	5.39	17	J
8		unknown-04	5.79	22	J
9	026688-51-7	Cyclopentane, 1,3-dichloro-, cis-	5.87	740	JN
10	031038-06-9	Cyclopentane, 1,1-dichloro-	6.15	42	JN
11		unknown-05	6.29	30	J
12	000930-29-0	Cyclopentene, 1-chloro-	6.86	25	JN
13		unknown-06	6.99	65	J
14		unknown-07	7.29	23	J
15		unknown-08	7.65	55	J
16	005355-54-4	2,2-Bis(chloromethyl)-1-propanol	7.83	5.4	JN
17		unknown-09	7.95	250	J
18		unknown-10	8.07	160	J
19	000683-51-2	Acrolein, 2-chloro-	8.18	7.0	JN
20	001067-09-0	2-Chloromethyl-1,3-dichloro-2-meth	8.43	14	JN
21		unknown-11	8.85	5.3	J
22		unknown-12	10.52	4.6	J
23		unknown-13	11.43	4.2	J

EPA-designated Registry Number.

*4114119*

FORM 1B-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Village-Well  
 VILLAGE-WELL02-01RX

4  
 A  
 B

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : SVOA  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL) : mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-GR ID : 0.25 (mm)  
 Extract Concentrated : (Y / N) N  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y / N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : \_\_\_\_\_  
 Concentration Units (µg/L, mg/L, µg/kg) : µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-17RX  
 Lab File ID : BM019573.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/28/2019  
 Date Analyzed : 03/29/2019  
 Extract Volume : 1000 (µL)  
 Extraction Type : CONH  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	RT	EST. CONC.	Q
24	unknown-14	12.08	4.9	J
25	unknown-15	12.65	10	J
26	unknown-16	13.75	2.6	J
27	unknown-17	13.81	2.7	J
28	unknown-18	16.65	9.0	J
29	unknown-19	17.09	6.4	J
30	unknown-20	17.24	3.0	J
31	E966796 Total Alkanes	N/A	0.0	

EPA-designated Registry Number.



**LAB CHRONICLE**



K2052-01	P001-TW001-03	Water	SVOCMS Group1	SOM02.4_SVO C	03/19/19	03/23/19	03/26/19	03/21/19
K2052-04	P001-TW001-04	Water	SVOCMS Group1	SOM02.4_SVO C	03/19/19	03/24/19	03/25/19	03/21/19
K2052-05	P001-TW002-02	Water	SVOCMS Group1	SOM02.4_SVO C	03/19/19	03/24/19	03/26/19	03/21/19
K2052-06	P004-TW001-01	Water	SVOCMS Group1	SOM02.4_SVO C	03/19/19	03/24/19	03/26/19	03/21/19
K2052-07	P007-TW001-01	Water	SVOCMS Group1	SOM02.4_SVO C	03/19/19	03/24/19	03/26/19	03/21/19
K2052-08	P010-TW001-01	Water	SVOCMS Group1	SOM02.4_SVO C	03/20/19	03/24/19	03/26/19	03/21/19
K2052-09	P011-TW001-01	Water	SVOCMS Group1	SOM02.4_SVO C	03/19/19	03/24/19	03/25/19	03/21/19
K2052-10	P012-TW001-01	Water	SVOCMS Group1	SOM02.4_SVO C	03/20/19	03/24/19	03/25/19	03/21/19
K2052-11	P014-TW001-01	Water	SVOCMS Group1	SOM02.4_SVO C	03/19/19	03/24/19	03/27/19	03/21/19





284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

### LAB CHRONICLE

K2052-12	P019-TW001-01	Water	SVOCMS Group1	SOM02.4_SVO C	03/20/19	03/24/19	03/27/19	03/21/19
K2052-13	P021-TW001-01	Water	SVOCMS Group1	SOM02.4_SVO C	03/20/19	03/24/19	03/27/19	03/21/19
K2052-14	P022-TW001-01	Water	SVOCMS Group1	SOM02.4_SVO C	03/19/19	03/24/19	03/27/19	03/21/19
K2052-15	P023-TW001-01	Water	SVOCMS Group1	SOM02.4_SVO C	03/19/19	03/24/19	03/27/19	03/21/19
K2052-17	VILLAGE-WELL02-01	Water	SVOCMS Group1	SOM02.4_SVO C	03/21/19	03/24/19	03/27/19	03/21/19
K2052-17RX	VILLAGE-WELL02-01RX <i>Village-Well</i>	Water	SVOCMS Group1	SOM02.4_SVO C	03/21/19	03/28/19	03/29/19	03/21/19



**OTHER ANALYTES WORK TABLE**

**PROJECT: Route 203 Site**

**SAMPLING DATES: January 19 and 20, 2019**

Matrix Field Sample ID Lab Sample ID Sample weight/Volume (mL) Dilution Factor	Potable Water P001-TW001-03 K2052-01 1000 mL 1	Potable Water P001-TW001-04 <sup>1</sup> K2052-04 1000 mL 1	Potable Water P001-TW002-02 K2052-05 1000 mL 1	Potable Water P004-TW001-01 K2052-06 1000 mL 1	Potable Water P007-TW001-01 K2052-07 1000 mL 1
<b>PCB (ug/L)</b>					
Aroclor-1016	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U
Aroclor-1221	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Aroclor-1232	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U
Aroclor-1242	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U
Aroclor-1248	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Aroclor-1254	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Aroclor-1262	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
Aroclor-1268	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Aroclor-1260	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U

Matrix Field Sample ID Lab Sample ID Sample weight/Volume (mL) Dilution Factor	Potable Water P010-TW001-01 K2052-08 1000 mL 1	Potable Water P011-TW001-01 K2052-09 1000 mL 1	Potable Water P012-TW001-01 K2052-10 1000 mL 1	Potable Water P014-TW001-01 K2052-11 1000 mL 1	Potable Water P019-TW001-01 K2052-12 1000 mL 1
<b>PCB (ug/L)</b>					
Aroclor-1016	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U
Aroclor-1221	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Aroclor-1232	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U
Aroclor-1242	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U
Aroclor-1248	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Aroclor-1254	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Aroclor-1262	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
Aroclor-1268	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Aroclor-1260	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U

<sup>1</sup>A field duplicate of P001-TW001-03

U: Not detected at the indicated concentration.

µg/L = micrograms per Liter

**OTHER ANALYTES WORK TABLE**

**PROJECT: Route 203 Site**

**SAMPLING DATES: January 19 through 21, 2019**

Matrix	Potable Water	Potable Water	Potable Water	Potable Water
Field Sample ID	P021-TW001-01	P022-TW001-01	P023-TW001-01	Village-Well02-01
Lab Sample ID	K2052-13	K2052-14	K2052-15	K2052-17
Sample weight/Volume (mL)	1000 mL	1000 mL	1000 mL	1000 mL
Dilution Factor	1	1	1	1
<b>PCB (ug/L)</b>				
Aroclor-1016	0.080 U	0.080 U	0.080 U	0.080 U
Aroclor-1221	0.29 U	0.29 U	0.29 U	0.29 U
Aroclor-1232	0.030 U	0.030 U	0.030 U	0.030 U
Aroclor-1242	0.030 U	0.030 U	0.030 U	0.030 U
Aroclor-1248	0.020 U	0.020 U	0.020 U	0.020 U
Aroclor-1254	0.050 U	0.050 U	0.050 U	0.050 U
Aroclor-1262	0.040 U	0.040 U	0.040 U	0.040 U
Aroclor-1268	0.20 U	0.20 U	0.20 U	0.20 U
Aroclor-1260	0.060 U	0.060 U	0.060 U	0.060 U

U: Not detected at the indicated concentration.

µg/L = micrograms per Liter

## CASE NARRATIVE

**Weston Solutions, Inc.**

**Project Name: RFP 526**

**Project # N/A**

**Chemtech Project # K2052**

**Test Name: PCB**

### **A. Number of Samples and Date of Receipt:**

18 Water samples were received on 03/21/2019.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: PCB, SVOC-SIMGroup1, SVOCMS Group1 and VOC-Low Level -15. This data package contains results for PCB.

### **C. Analytical Techniques:**

The analyses were performed on instrument GCECD\_Q. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method SOM02.4\_PCB and extraction was done based on method 3510.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for P001-TW001-03 [Tetrachloro-m-xylene(2) - 151%], P004-TW001-01 [Tetrachloro-m-xylene(2) - 151%], P010-TW001-01 [Tetrachloro-m-xylene(2) - 160%], P011-TW001-01 [Tetrachloro-m-xylene(2) - 155%], P012-TW001-01 [Tetrachloro-m-xylene(1) - 165%, Tetrachloro-m-xylene(2) - 177%], P014-TW001-01 [Tetrachloro-m-xylene(1) - 168%, Tetrachloro-m-xylene(2) - 176%] and P019-TW001-01 [Tetrachloro-m-xylene(1) - 158%, Tetrachloro-m-xylene(2) - 167%]. As per method per column per surrogate are allowed to fail. No further corrective action was taken.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD met criteria.

The Blank Spike met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

### **Calculation:**

Concentration in Water Samples:

$$\text{Concentration ug/L} = \frac{(Ax) (Vt) (DF) (GPC)}{(CF) (Vo) (Vi)}$$

Where,

Ax = Response (peak area or height) of the compound to be measured.

CF = Mean Calibration Factor from the initial calibration (area/ng).

Vo = Volume of water extracted in mL.

Vi = Volume of extract injected in uL.

Vt = Volume of the concentrated extract in uL

GPC =  $\frac{V_{in}}{V_{out}}$  = GPC factor (If no GPC is performed, GPC=1)

Vin = Volume of extract loaded onto GPC column.

Vout = Volume of extract collected after GPC cleanup.

DF = Dilution Factor.

#### E. Additional Comments:

#### F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature

*Mildred V Reyes*

**APPROVED**

By Mildred V Reyes, QAQC Supervisor at 10:15 am, Apr 05, 2019

**SAMPLE**  
**DATA**

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P001-TW001-03

5  
 2.2  
 A  
 B  
 C

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : ARO  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-MR1 ID : 0.32 (mm)  
 GC Column : ZB-MR2 ID : 0.32 (mm)  
 Extract Concentrated : (Y / N) Y  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y/N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : Acid  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-01  
 Lab File ID : PQ038270.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/24/2019  
 Extract Volume : 10000 (µL)  
 Extraction Type : SEPF  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P001-TW001-04

5  
2.2  
A  
B  
C

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : ARO  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-MR1 ID : 0.32 (mm)  
 GC Column : ZB-MR2 ID : 0.32 (mm)  
 Extract Concentrated : (Y / N) Y  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y/N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : Acid  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-04  
 Lab File ID : PQ038273.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/24/2019  
 Extract Volume : 10000 (µL)  
 Extraction Type : SEPF  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P001-TW002-02

5

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : ARO  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-MR1 ID : 0.32 (mm)  
 GC Column : ZB-MR2 ID : 0.32 (mm)  
 Extract Concentrated : (Y / N) Y  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y/N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : Acid  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-05  
 Lab File ID : PQ038274.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/24/2019  
 Extract Volume : 10000 (µL)  
 Extraction Type : SEPF  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

A

B

C

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U



FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
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EPA SAMPLE NO.

P004-TW001-01

5  
2.2  
A  
B  
C

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : ARO  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-MR1 ID : 0.32 (mm)  
 GC Column : ZB-MR2 ID : 0.32 (mm)  
 Extract Concentrated : (Y / N) Y  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y/N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : Acid  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-06  
 Lab File ID : PQ038275.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/24/2019  
 Extract Volume : 10000 (µL)  
 Extraction Type : SEPF  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P007-TW001-01

5  
2.2  
A  
B  
C

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : ARO  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-MR1 ID : 0.32 (mm)  
 GC Column : ZB-MR2 ID : 0.32 (mm)  
 Extract Concentrated : (Y / N) Y  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y/N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : Acid  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-07  
 Lab File ID : PQ038276.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/24/2019  
 Extract Volume : 10000 (µL)  
 Extraction Type : SEPF  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P010-TW001-01

5

2.2

Lab Name : Chemtech Consulting Group Contract : EPW14030  
 Lab Code: CHM Case No.: RFP 526 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Analytical Method : ARO Level : \_\_\_\_\_  
 Matrix : Water Lab Sample ID : K2052-08  
 Sample wt/vol : 1000 (g/mL): mL Lab File ID : PQ038277.D  
 % Solids : \_\_\_\_\_ Date Received : 03/21/2019  
 GC Column : ZB-MR1 ID : 0.32 (mm) Date Extracted : 03/24/2019  
 GC Column : ZB-MR2 ID : 0.32 (mm) Date Analyzed : 03/24/2019  
 Extract Concentrated : (Y / N) Y Extract Volume : 10000 (µL)  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL) Extraction Type : SEPF  
 Heated Purge : (Y/N) \_\_\_\_\_ Injection Volume : 1.0 (µL)  
 Purge Volume : \_\_\_\_\_ (mL) pH : 6 Dilution Factor : 1.0  
 Cleanup Types : Acid Cleanup Factor : 1.0  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

A

B

C

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P011-TW001-01

5  
 2.2  
 A  
 B  
 C

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : ARO  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-MR1 ID : 0.32 (mm)  
 GC Column : ZB-MR2 ID : 0.32 (mm)  
 Extract Concentrated : (Y / N) Y  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y/N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : Acid  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-09  
 Lab File ID : PQ038278.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/24/2019  
 Extract Volume : 10000 (µL)  
 Extraction Type : SEPF  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P012-TW001-01

5  
2.2  
A  
B  
C

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : ARO  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-MR1 ID : 0.32 (mm)  
 GC Column : ZB-MR2 ID : 0.32 (mm)  
 Extract Concentrated : (Y / N) Y  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y/N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : Acid  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-10  
 Lab File ID : PQ038279.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 10000 (µL)  
 Extraction Type : SEPF  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U

FORM 1A-OR  
ORGANIC ANALYSIS DATA SHEET  
TARGET ANALYTE LIST

EPA SAMPLE NO.

P014-TW001-01

5  
2.2  
A  
B  
C

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : ARO  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-MR1 ID : 0.32 (mm)  
 GC Column : ZB-MR2 ID : 0.32 (mm)  
 Extract Concentrated : (Y / N) Y  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y/N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : Acid  
 Concentration Units (µg/L,mg/L,µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-11  
 Lab File ID : PQ038280.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 10000 (µL)  
 Extraction Type : SEPF  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P019-TW001-01

5  
 2.2  
 A  
 B  
 C

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : ARO  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-MR1 ID : 0.32 (mm)  
 GC Column : ZB-MR2 ID : 0.32 (mm)  
 Extract Concentrated : (Y / N) Y  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y/N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : Acid  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-12  
 Lab File ID : PQ038281.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 10000 (µL)  
 Extraction Type : SEPF  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P021-TW001-01

5  
 2.2  
 A  
 B  
 C

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : ARO  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-MR1 ID : 0.32 (mm)  
 GC Column : ZB-MR2 ID : 0.32 (mm)  
 Extract Concentrated : (Y / N) : Y  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y/N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : Acid  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-13  
 Lab File ID : PQ038282.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 10000 (µL)  
 Extraction Type : SEPF  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U



FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P022-TW001-01

5

2.2

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : ARO  
 Matrix : Water  
 Sample wt/vol : 1000 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-MR1 ID : 0.32 (mm)  
 GC Column : ZB-MR2 ID : 0.32 (mm)  
 Extract Concentrated : (Y / N) Y  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y/N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : Acid  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-14  
 Lab File ID : PQ038283.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 10000 (µL)  
 Extraction Type : SEPF  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

A

B

C

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.

P023-TW001-01

5

2.2

Lab Name : Chemtech Consulting Group Contract : EPW14030  
 Lab Code: CHM Case No.: RFP 526 MA No. : \_\_\_\_\_ SDG No.: K2052  
 Analytical Method : ARO Level : \_\_\_\_\_  
 Matrix : Water Lab Sample ID : K2052-15  
 Sample wt/vol : 1000 (g/mL): mL Lab File ID : PQ038284.D  
 % Solids : \_\_\_\_\_ Date Received : 03/21/2019  
 GC Column : ZB-MR1 ID : 0.32 (mm) Date Extracted : 03/24/2019  
 GC Column : ZB-MR2 ID : 0.32 (mm) Date Analyzed : 03/25/2019  
 Extract Concentrated : (Y / N) Y Extract Volume : 10000 (µL)  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL) Extraction Type : SEPF  
 Heated Purge : (Y/N) \_\_\_\_\_ Injection Volume : 1.0 (µL)  
 Purge Volume : \_\_\_\_\_ (mL) pH : 6 Dilution Factor : 1.0  
 Cleanup Types : Acid Cleanup Factor : 1.0  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

A

B

C

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.080	U
11104-28-2	Aroclor-1221	0.29	U
11141-16-5	Aroclor-1232	0.030	U
53469-21-9	Aroclor-1242	0.030	U
12672-29-6	Aroclor-1248	0.020	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.040	U
37324-23-5	Aroclor-1262	0.20	U
11100-14-4	Aroclor-1268	0.060	U

FORM 1A-OR  
 ORGANIC ANALYSIS DATA SHEET  
 TARGET ANALYTE LIST

EPA SAMPLE NO.  
 Village Well  
 VILLAGE WELL02-01

5  
 2.2  
 A  
 B  
 C

Lab Name : Chemtech Consulting Group  
 Lab Code: CHM Case No.: RFP 526  
 Analytical Method : ARO  
 Matrix : Water  
 Sample wt/vol : 940 (g/mL): mL  
 % Solids : \_\_\_\_\_  
 GC Column : ZB-MR1 ID : 0.32 (mm)  
 GC Column : ZB-MR2 ID : 0.32 (mm)  
 Extract Concentrated : (Y / N) Y  
 Soil Aliquot (VOA) : \_\_\_\_\_ (µL)  
 Heated Purge : (Y/N) \_\_\_\_\_  
 Purge Volume : \_\_\_\_\_ (mL)  
 Cleanup Types : Acid  
 Concentration Units (µg/L, mg/L, µg/kg): µg/L

Contract : EPW14030  
 MA No. : \_\_\_\_\_ SDG No. : K2052  
 Level : \_\_\_\_\_  
 Lab Sample ID : K2052-17  
 Lab File ID : PQ038285.D  
 Date Received : 03/21/2019  
 Date Extracted : 03/24/2019  
 Date Analyzed : 03/25/2019  
 Extract Volume : 10000 (µL)  
 Extraction Type : SEPF  
 Injection Volume : 1.0 (µL)  
 pH : 6 Dilution Factor : 1.0  
 Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
12674-11-2	Aroclor-1016	0.085	U
11104-28-2	Aroclor-1221	0.31	U
11141-16-5	Aroclor-1232	0.032	U
53469-21-9	Aroclor-1242	0.032	U
12672-29-6	Aroclor-1248	0.021	U
11097-69-1	Aroclor-1254	0.053	U
11096-82-5	Aroclor-1260	0.043	U
37324-23-5	Aroclor-1262	0.21	U
11100-14-4	Aroclor-1268	0.064	U



284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

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A

B

C

### LAB CHRONICLE



K2052-01	P001-TW001-03	WATER	PCB	SOM02.4_PC B	03/19/19	03/24/19	03/24/19	03/21/19
K2052-04	P001-TW001-04	WATER	PCB	SOM02.4_PC B	03/19/19	03/24/19	03/24/19	03/21/19
K2052-05	P001-TW002-02	WATER	PCB	SOM02.4_PC B	03/19/19	03/24/19	03/24/19	03/21/19
K2052-06	P004-TW001-01	WATER	PCB	SOM02.4_PC B	03/19/19	03/24/19	03/24/19	03/21/19
K2052-07	P007-TW001-01	WATER	PCB	SOM02.4_PC B	03/19/19	03/24/19	03/24/19	03/21/19
K2052-08	P010-TW001-01	WATER	PCB	SOM02.4_PC B	03/20/19	03/24/19	03/24/19	03/21/19
K2052-09	P011-TW001-01	WATER	PCB	SOM02.4_PC B	03/19/19	03/24/19	03/24/19	03/21/19
K2052-10	P012-TW001-01	WATER	PCB	SOM02.4_PC B	03/20/19	03/24/19	03/25/19	03/21/19
K2052-11	P014-TW001-01	WATER	PCB	SOM02.4_PC B	03/19/19	03/24/19	03/25/19	03/21/19



284 Sheffield Street, Mountainside, New Jersey - 07092  
Phone: (908) 789 8900 Fax: (908) 789 8922

A  
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LAB CHRONICLE

K2052-12	P019-TW001-01	WATER	PCB	SOM02.4_PC B	03/20/19	03/24/19	03/25/19	03/21/19
K2052-13	P021-TW001-01	WATER	PCB	SOM02.4_PC B	03/20/19	03/24/19	03/25/19	03/21/19
K2052-14	P022-TW001-01	WATER	PCB	SOM02.4_PC B	03/19/19	03/24/19	03/25/19	03/21/19
K2052-15	P023-TW001-01	WATER	PCB	SOM02.4_PC B	03/19/19	03/24/19	03/25/19	03/21/19
K2052-17	Village-Well VILLAGE-WELL02-01	WATER	PCB	SOM02.4_PC B	03/21/19	03/24/19	03/25/19	03/21/19

# SHIPPING DOCUMENTS



K2052

USEPA

Date Shipped: 3/21/2019

Carrier Name: Hand Delivered

Airbill No: NA

CHAIN OF CUSTODY RECORD

Site #: 526

Contact Name: Michael Lang

Contact Phone: 908-565-2974

No: 2-032119-0370-0083-0001

Cooler #: 6

Lab: Chemtech Consulting Group

Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-TW001-03	P001-TW001	TCL VOCs	Potable Water	3/19/2019	10:34	3	40 mL VOA	4 C, HCl pH<2	Y
	P001-TW001-03	P001-TW001	TCL SVOCs	Potable Water	3/19/2019	10:34	2	1 liter amber	4 C	Y
	P001-TW001-03	P001-TW001	TCL PCBs	Potable Water	3/19/2019	10:34	6	1 liter amber	4 C	Y
	P001-TW001-04	P001-TW001	TCL VOCs	Potable Water	3/19/2019	10:34	3	40 mL VOA	4 C, HCl pH<2	N
	P001-TW001-04	P001-TW001	TCL SVOCs	Potable Water	3/19/2019	10:34	2	1 liter amber	4 C	N
	P001-TW001-04	P001-TW001	TCL PCBs	Potable Water	3/19/2019	10:34	2	1 liter amber	4 C	N
	P001-TW002-02	P001-TW002	TCL VOCs	Potable Water	3/19/2019	11:00	3	40 mL VOA	4 C, HCl pH<2	N
	P001-TW002-02	P001-TW002	TCL SVOCs	Potable Water	3/19/2019	11:00	2	1 liter amber	4 C	N
	P001-TW002-02	P001-TW002	TCL PCBs	Potable Water	3/19/2019	11:00	2	1 liter amber	4 C	N
	P004-TW001-01	P004-TW001	TCL PCBs	Potable Water	3/19/2019	18:20	2	1 liter amber	4 C	N
	P004-TW001-01	P004-TW001	TCL VOCs	Potable Water	3/19/2019	18:20	3	40 mL VOA	4 C, HCl pH<2	N
	P004-TW001-01	P004-TW001	TCL SVOCs	Potable Water	3/19/2019	18:20	2	1 liter amber	4 C	N
	P007-TW001-01	P007-TW001	TCL PCBs	Potable Water	3/19/2019	18:24	2	1 liter amber	4 C	N
	P007-TW001-01	P007-TW001	TCL VOCs	Potable Water	3/19/2019	18:24	3	40 mL VOA	4 C, HCl pH<2	N
	P007-TW001-01	P007-TW001	TCL SVOCs	Potable Water	3/19/2019	18:24	2	1 liter amber	4 C	N
	P010-TW001-01	P010-TW001	TCL PCBs	Potable Water	3/20/2019	13:05	2	1 liter amber	4 C	N
	P010-TW001-01	P010-TW001	TCL VOCs	Potable Water	3/20/2019	13:05	3	40 mL VOA	4 C, HCl pH<2	N
	P010-TW001-01	P010-TW001	TCL SVOCs	Potable Water	3/20/2019	13:05	2	1 liter amber	4 C	N
	P011-TW001-01	P011-TW001	TCL PCBs	Potable Water	3/19/2019	19:45	2	1 liter amber	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples / All Analytes	<i>[Signature]</i> - Weston RST3	3/21/2019 1200	<i>[Signature]</i>	1550 3-21-19	FR-Cust # 3.1



K2052

USEPA

Date Shipped: 3/21/2019

Carrier Name: Hand Delivered

Airbill No: NA

CHAIN OF CUSTODY RECORD

Site #: 526

Contact Name: Michael Lang

Contact Phone: 908-585-2974

No: 2-032119-0370-0083-0001

Cooler #: 6

Lab: Chemtech Consulting Group

Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P011-TW001-01	P011-TW001	TCL VOCs	Potable Water	3/19/2019	19:45	3	40 mL VOA	4 C, HCl pH<2	N
	P011-TW001-01	P011-TW001	TCL SVOCs	Potable Water	3/19/2019	19:45	2	1 liter amber	4 C	N
	P012-TW001-01	P012-TW001	TCL PCBs	Potable Water	3/20/2019	17:00	2	1 liter amber	4 C	N
	P012-TW001-01	P012-TW001	TCL VOCs	Potable Water	3/20/2019	17:00	3	40 mL VOA	4 C, HCl pH<2	N
	P012-TW001-01	P012-TW001	TCL SVOCs	Potable Water	3/20/2019	17:00	2	1 liter amber	4 C	N
	P014-TW001-01	P014-TW001	TCL PCBs	Potable Water	3/19/2019	17:45	2	1 liter amber	4 C	N
	P014-TW001-01	P014-TW001	TCL VOCs	Potable Water	3/19/2019	17:45	3	40 mL VOA	4 C, HCl pH<2	N
	P014-TW001-01	P014-TW001	TCL SVOCs	Potable Water	3/19/2019	17:45	2	1 liter amber	4 C	N
	P019-TW001-01	P019-TW001	TCL PCBs	Potable Water	3/20/2019	16:26	2	1 liter amber	4 C	N
	P019-TW001-01	P019-TW001	TCL VOCs	Potable Water	3/20/2019	16:26	3	40 mL VOA	4 C, HCl pH<2	N
	P019-TW001-01	P019-TW001	TCL SVOCs	Potable Water	3/20/2019	16:26	2	1 liter amber	4 C	N
	P021-TW001-01	P021-TW001	TCL PCBs	Potable Water	3/20/2019	12:26	2	1 liter amber	4 C	N
	P021-TW001-01	P021-TW001	TCL VOCs	Potable Water	3/20/2019	12:26	3	40 mL VOA	4 C, HCl pH<2	N
	P021-TW001-01	P021-TW001	TCL SVOCs	Potable Water	3/20/2019	12:26	2	1 liter amber	4 C	N
	P022-TW001-01	P022-TW001	TCL VOCs	Potable Water	3/19/2019	14:25	3	40 mL VOA	4 C, HCl pH<2	N
	P022-TW001-01	P022-TW001	TCL PCBs	Potable Water	3/19/2019	14:25	2	1 liter amber	4 C	N
	P022-TW001-01	P022-TW001	TCL SVOCs	Potable Water	3/19/2019	14:25	2	1 liter amber	4 C	N
	P023-TW001-01	P023-TW001	TCL VOCs	Potable Water	3/19/2019	13:25	3	40 mL VOA	4 C, HCl pH<2	N
	P023-TW001-01	P023-TW001	TCL SVOCs	Potable Water	3/19/2019	13:25	2	1 liter amber	4 C	N

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received By (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples/ All Analytes	<i>Pliny - Western ESTS</i>	3/21/2019 12:00	<i>CL</i>	3.50 3.25-19	FR GA # 31

K2052

USEPA

CHAIN OF CUSTODY RECORD

No: 2-032119-0370-0083-0001

R.2

Date Shipped: 3/21/2019

Site #: 526

Cooler #: 6

Carrier Name: Hand Delivered

Contact Name: Michael Lang

Lab: Chemtech Consulting Group

AirbillNo: NA

Contact Phone: 908-565-2974

Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P023-TW001-01	P023-TW001	TCL PCBs	Potable Water	3/19/2019	13:25	2	1 liter amber	4 C	N
	TB-190320-01	TB-190320	TCL VOCs	Potable Water	3/20/2019	14:00	3	40 mL VOA	4 C, HCl pH<2	N
	Village-Well02-01	Village-Well02	TCL PCBs	Potable Water	3/21/2019	09:20	2	1 liter amber	4 C	N
	Village-Well02-01	Village-Well02	TCL VOCs	Potable Water	3/21/2019	09:20	3	40 mL VOA	4 C, HCl pH<2	N
	Village-Well02-01	Village-Well02	TCL SVOCs	Potable Water	3/21/2019	09:20	2	1 liter amber	4 C	N
<i>[Handwritten signature and scribbles across the table rows]</i>										

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

**SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #**

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Ship by / All Arrive	<i>[Signature]</i> Westonsolutions.com	3/21/2019 12:00	<i>[Signature]</i>	3-21-19	FR Co I 3.1

**Laboratory Certification**

<b>Certified By</b>	<b>License No.</b>
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5



LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** K2052      **ROYF02**  
**Client Name :** Weston Solutions, Inc.  
**Client Contact :** Michael Lang  
**Invoice Name :** Weston Solutions, Inc.  
**Invoice Contact :** Michael Lang

**Order Date :** 03/21/2019  
**Project Name :** RFP 526  
**Receive Date/Time :** 3/21/2019 1:50:00 PM  
**Purchase Order :**  
**Login Tech :** ankit

**Project Mgr :**  
**Report Type :** Level 4  
**EDD Type :** Equis Region2(MEDD)  
**Hard Copy Date :**  
**Date Signoff :**

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	COMMENT	FAX DATE	DUE DATES
K2052-01	P001-TW001-03	Water	03/19/2019	10:34	VOC-Low Level -15		SOM02.4_Trace			5 Bus. Days
K2052-02	P001-TW001-03M	Water	03/19/2019	10:34	VOC-Low Level -15		SOM02.4_Trace			5 Bus. Days
K2052-03	P001-TW001-03MS	Water	03/19/2019	10:34	VOC-Low Level -15		SOM02.4_Trace			5 Bus. Days
K2052-04	P001-TW001-04	Water	03/19/2019	10:34	VOC-Low Level -15		SOM02.4_Trace			5 Bus. Days
K2052-05	P001-TW002-02	Water	03/19/2019	11:00	VOC-Low Level -15		SOM02.4_Trace			5 Bus. Days
K2052-06	P004-TW001-01	Water	03/19/2019	18:20	VOC-Low Level -15		SOM02.4_Trace			5 Bus. Days
K2052-07	P007-TW001-01	Water	03/19/2019	18:24	VOC-Low Level -15		SOM02.4_Trace			5 Bus. Days
K2052-08	P010-TW001-01	Water	03/20/2019	13:05	VOC-Low Level -15		SOM02.4_Trace			5 Bus. Days
K2052-09	P011-TW001-01	Water	03/19/2019	19:45	VOC-Low Level -15		SOM02.4_Trace			5 Bus. Days



# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** K2052      **ROYF02**      **Order Date :** 03/21/2019      **Project Mgr :**  
**Client Name :** Weston Solutions, Inc.      **Project Name :** RFP 526      **Report Type :** Level 4  
**Client Contact :** Michael Lang      **Receive DateTime :** 3/21/2019 1:50:00 PM      **EDD Type :** Equis Region2(MEDD)  
**Invoice Name :** Weston Solutions, Inc.      **Purchase Order :**      **Hard Copy Date :**  
**Invoice Contact :** Michael Lang      **Login Tech :** ankit      **Date Signoff :**

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	COMMENT	FAX DATE	DUE DATES
K2052-10	P012-TW001-01	Water	03/20/2019	17:00	VOC-Low Level -15		SOM02.4_Trace			5 Bus. Days
K2052-11	P014-TW001-01	Water	03/19/2019	17:45	VOC-Low Level -15		SOM02.4_Trace			5 Bus. Days
K2052-12	P019-TW001-01	Water	03/20/2019	16:26	VOC-Low Level -15		SOM02.4_Trace			5 Bus. Days
K2052-13	P021-TW001-01	Water	03/20/2019	12:26	VOC-Low Level -15		SOM02.4_Trace			5 Bus. Days
K2052-14	P022-TW001-01	Water	03/19/2019	14:25	VOC-Low Level -15		SOM02.4_Trace			5 Bus. Days
K2052-15	P023-TW001-01	Water	03/19/2019	13:25	VOC-Low Level -15		SOM02.4_Trace			5 Bus. Days
K2052-16	TB-190320-01	Water	03/20/2019	14:00	VOC-Low Level -15		SOM02.4_Trace			5 Bus. Days
K2052-17	LLAGE-WELL02-1	Water	03/21/2019	09:20	VOC-Low Level -15		SOM02.4_Trace			5 Bus. Days

LOGIN REPORT/SAMPLE TRANSFER

Order ID : K2052      ROYF02      Order Date : 03/21/2019      Project Mgr :  
 Client Name : Weston Solutions, Inc.      Project Name : RFP 526      Report Type : Level 4  
 Client Contact : Michael Lang      Receive Date/Time : 3/21/2019 1:50:00 PM      EDD Type : Equis Region2(MEDD)  
 Invoice Name : Weston Solutions, Inc.      Purchase Order :      Hard Copy Date :  
 Invoice Contact : Michael Lang      Login Tech : ankit      Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	COMMENT	FAX DATE	DUE DATES
K2052-18	VHBLK01	Water	03/21/2019	13:50	VOC-Low Level -15		SOM02.4_Trace			5 Bus. Days

Relinquished By : *[Signature]*  
 Date / Time : 16:50 3-21-19

Received By : *[Signature]*  
 Date / Time : 15:21-19 16:50

Storage Area : VOA Refrigerator Room

FORM DC-1  
SAMPLE LOG-IN SHEET

K2052

6

8.8

Lab Name CHEMTECH CONSULTING GROUP		Page <u>1</u> of <u>1</u>
Received By (Print Name) <u>Casperson Rini</u>		Log-in Date <u>3/21/2019</u>
Received By (Signature) <u>[Signature]</u>		
Case Number RFP 526	SDG No. K2052	MA No. N/A

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	n/a
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Absent
5. Airbill No.	Hand Delivered
6. Sample Tags	Absent
Sample Tag #	Not Listed on Traffic Report
7. Sample Condition	Intact
8. Shipping Container Temperature Indicator Bottle	Present
9. Shipping Container Temperature	<u>3.1</u> Degree C
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree?	Yes
11. Date Received at Lab	<u>03/21/2019</u>
12. Time Received	<u>13:50</u>

	EPA Sample #	Corresponding		Remarks: Condition of Sample shipment, etc.
		Sample Tag #	Assigned Lab #	
1	P001-TW001-03	n/a	K2052-01	Intact
2	P001-TW001-03M	n/a	K2052-02	Intact
3	P001-TW001-03M	n/a	K2052-03	Intact
4	P001-TW001-04	n/a	K2052-04	Intact
5	P001-TW002-02	n/a	K2052-05	Intact
6	P004-TW001-01	n/a	K2052-06	Intact
7	P007-TW001-01	n/a	K2052-07	Intact
8	P010-TW001-01	n/a	K2052-08	Intact
9	P011-TW001-01	n/a	K2052-09	Intact
10	P012-TW001-01	n/a	K2052-10	Intact
11	P014-TW001-01	n/a	K2052-11	Intact
12	P019-TW001-01	n/a	K2052-12	Intact
13	P021-TW001-01	n/a	K2052-13	Intact
14	P022-TW001-01	n/a	K2052-14	Intact
15	P023-TW001-01	n/a	K2052-15	Intact
16	TB-190320-01	n/a	K2052-16	Intact
17	VILLAGE-WELL02-	n/a	K2052-17	Intact
18				
19				
20				
21				
22				
23				
24				
25				
26				

\* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. <u>2</u>
Date <u>3/21/19</u>	Logbook Page No. <u>2</u>

the 1990s, the number of people in the UK who are aged 65 and over has increased from 10.5 million to 13.5 million, and the number of people aged 75 and over has increased from 4.5 million to 6.5 million (Office for National Statistics 2000).

There is a growing awareness of the need to address the needs of older people, and the need to ensure that the health care system is able to meet the needs of older people. The Department of Health (2000) has set out a strategy for the health care system to meet the needs of older people, and the Health Service Research Unit (2000) has set out a strategy for the health care system to meet the needs of older people.

The Health Service Research Unit (2000) has set out a strategy for the health care system to meet the needs of older people. The strategy is based on the following principles: (1) to ensure that the health care system is able to meet the needs of older people; (2) to ensure that the health care system is able to meet the needs of older people; (3) to ensure that the health care system is able to meet the needs of older people.

The Health Service Research Unit (2000) has set out a strategy for the health care system to meet the needs of older people. The strategy is based on the following principles: (1) to ensure that the health care system is able to meet the needs of older people; (2) to ensure that the health care system is able to meet the needs of older people; (3) to ensure that the health care system is able to meet the needs of older people.

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## REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site SDG No.: K2064 and K2073LAB: Chemtech Consulting Group, Mountainside, New JerseyANALYSIS: 1,4-DioxaneNo. of Samples/Matrix: 29/Potable WaterCONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency (EPA) Region II data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
SVOCs	SW-846 Method 8270SIM, Modified	No. HW-22 (Revision 5), December 2010

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer

Signature: Smita Sumbaly Date: 4/23/2019Verified By: Date: 4/23/2019

From March 18 through 21, 2019, EPA Region II and RST 3 personnel collected 29 potable water samples for TCL VOCs, TCL SVOCs, TCL PCBs; and two trip blanks for TCL VOCs analysis. All the samples were collected from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. Since, 1,4-dioxane was not listed in CLP SOW SOM02.4, laboratory performed the 1,4-dioxane analysis via SW-846 Method 8270 selected ion monitoring (SIM) for 29 potable water samples. The samples were hand-delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample cooler's temperature measured 2.4 and 3.1 Degrees Celsius (°C).

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
<b>SDG K2064</b>				
P002-TW001-01	K2064-01	Potable Water	1,4-Dioxane	3/18/2019
P002-TW001-02 <sup>1</sup>	K2064-04	Potable Water	1,4-Dioxane	3/18/2019
P003-TW001-01	K2064-05	Potable Water	1,4-Dioxane	3/18/2019
P005-TW001-01	K2064-06	Potable Water	1,4-Dioxane	3/18/2019
P006-TW001-01	K2064-07	Potable Water	1,4-Dioxane	3/18/2019
P009-TW001-01	K2064-08	Potable Water	1,4-Dioxane	3/18/2019
P013-TW001-01	K2064-09	Potable Water	1,4-Dioxane	3/18/2019
P015-TW001-01	K2064-10	Potable Water	1,4-Dioxane	3/18/2019
P016-TW001-01	K2064-11	Potable Water	1,4-Dioxane	3/18/2019
P017-TW001-01	K2064-12	Potable Water	1,4-Dioxane	3/18/2019
P018-TW001-01	K2064-13	Potable Water	1,4-Dioxane	3/18/2019
P020-TW001-01	K2064-14	Potable Water	1,4-Dioxane	3/18/2019
P024-TW001-01	K2064-15	Potable Water	1,4-Dioxane	3/18/2019
P024-TW002-01	K2064-16	Potable Water	1,4-Dioxane	3/18/2019
P025-TW001-01	K2064-17	Potable Water	1,4-Dioxane	3/18/2019
<sup>1</sup> A field duplicate of sample P002-TW001-01				
<b>SDG K2073</b>				
P001-TW001-03	K2073-01	Potable Water	1,4-Dioxane	3/19/2019
P001-TW001-04 <sup>2</sup>	K2073-04	Potable Water	1,4-Dioxane	3/19/2019
P001-TW002-02	K2073-05	Potable Water	1,4-Dioxane	3/19/2019
P004-TW001-01	K2073-06	Potable Water	1,4-Dioxane	3/19/2019
P007-TW001-01	K2073-07	Potable Water	1,4-Dioxane	3/19/2019
P010-TW001-01	K2073-08	Potable Water	1,4-Dioxane	3/20/2019
P011-TW001-01	K2073-09	Potable Water	1,4-Dioxane	3/19/2019
P012-TW001-01	K2073-10	Potable Water	1,4-Dioxane	3/20/2019
P014-TW001-01	K2073-11	Potable Water	1,4-Dioxane	3/19/2019
P019-TW001-01	K2073-12	Potable Water	1,4-Dioxane	3/20/2019
P021-TW001-01	K2073-13	Potable Water	1,4-Dioxane	3/20/2019
P022-TW001-01	K2073-14	Potable Water	1,4-Dioxane	3/19/2019
P023-TW001-01	K2073-15	Potable Water	1,4-Dioxane	3/19/2019
Village-Well02-01	K2073-17	Potable Water	1,4-Dioxane	3/21/2019
<sup>2</sup> A field duplicate of sample P001-TW001-03				

**ANALYSIS: 1,4-Dioxane (SVOC)**

The current SOP HW-22 (Revision 5) December 2010, USEPA Region II for the evaluation of semi-volatile organic data generated through SW-846 Method 870-SIM and National Functional Guidelines for Superfund Organic Methods Data Review, September 2015 (based on SOW02.3) were followed for data qualifications. Tentatively Identified Compounds (TICs) for VOC organic fraction are not validated.

**1. HOLDING TIME:**

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded, qualifications will be applied as per SOP HW-35A (Rev 0).

SDG No's.: K2064 and K2073: No problems were found for this criterion.

**2. DEUTERATED MONITORING COMPOUNDS (DMCs)**

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of SOP HW-35A (Revision 0), qualifications were applied as per Table 7 of SOP HW-35A (Revision 0) to the samples and analytes as shown below.

SDG No.: K2064: DMC/surrogate percent recoveries were less than the primary minimum criteria and less than the expanded minimum criteria for Fluoranthene-d10 and 2-Methylnaphthalene-d10 in sample P025-TW001-01. Since 1,4-dioxane was not associated with these surrogates, no action was required.

SDG No.: K2073: DMC/surrogate percent recoveries were less than the primary minimum criteria and less than the expanded minimum criteria for Fluoranthene-d10 and 2-Methylnaphthalene-d10 in sample Village-Well02-01. Since 1,4-dioxane was not associated with these surrogates, no action was required.

**3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):**

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

SDG No.: K2064: Sample P002-TW001-01 was used for MS/MSD analyses. All MS/MSD recoveries and relative percent difference (RPD) was within the QC limits.

SDG No.: K2073: Sample P001-TW001-03 was used for MS/MSD analyses. All MS/MSD recoveries and RPD was within the QC limits.

**4. BLANK CONTAMINATION:**

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per SOP HW-22 (Rev 5).

SDG No's.: K2064 and K2073:

**A) Method blank contamination:**

No problems were found for this criterion.

**B) Field or rinse blank contamination:**

No problems were found for this criterion.

**C) Tentatively Identified Compounds (TICs):**

Section 9 for details of qualifiers applied to quantitated results for TICs.

**5. MASS SPECTROMETER TUNING:**

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for Semi-volatiles is Decafluorotriphenyl-phosphine (DFTPP). If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems were found for this criterion.

**6. CALIBRATION:**

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

**A) Response Factor GC/MS:**

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW-35A (Rev 0). If RRF is less than minimum RRF as specified in Table 2 for all target analytes, use professional judgment to qualify those detects in the sample as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

**B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):**

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent difference compares the response factor of the continuing calibration verification (CCV) to the mean relative response factor (RRF) from the initial calibration. Percent difference is a measure of the instrument's daily performance. Percent RSD must be less than maximum %RSD in Table 2 of SOP HW-22 (Rev50) for all target analytes. For the opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW-35A (Rev 0) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

SDG No's.: K2064 and K2073: No problems were found for this criterion.

**7. INTERNAL STANDARDS PERFORMANCE GC/MS:**

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 10 of SOP HW-35A (Rev 0) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 10 of SOP HW-35A (Rev 0). If the area count is greater than the upper control limit, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the expanded lower control limit, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 10 of SOP HW-35A (Rev 0), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below.

SDG No.: K2064: Perylene-d12 internal standard area counts is >20% but less than (<) 50%, the lower limit of primary criteria in sample P025-TW001-01. Since, 1,4-dioxane was not associated with this internal standard, no action was required.

SDG No.: K2073: No problems were found for this criterion.

**8. FIELD DUPLICATES:**

Field duplicate pairs P001-TW003-03 and P001-TW001-04; and P002-TW001-01 and P002-TW001-02 were collected and analyzed as an overall indication of precision. This analysis measures both field and laboratory precision. A control limit of 50% for the RPD was used for original and duplicate sample values. For field duplicate analysis that did not meet the technical criteria, the action was applied to only the field sample and its duplicate.

**SDG No.: K2064:** 1,4-Dioxane was not detected in sample P002-TW001-01 and its field duplicate P002-TW001-02. No qualification was required.

**SDG No.: K2073:** 1,4-Dioxane was not detected in sample P001-TW001-03 and its field duplicate P001-TW001-04. No qualification was required.

#### **9. COMPOUND IDENTIFICATION:**

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which have a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No qualification was required.

#### **10. CONTRACT PROBLEMS NON-COMPLIANCE:**

**SDG No.: K2064:** Laboratory mentioned in case narrative that, surrogate recovery failed in sample P025-TW001-01 for 2-Fluorophenol. 2-Fluorophenol was not listed under surrogate summary form. Data reviewer contacted the lab, obtained revised case narrative and replaced in data package.

**SDG No.: K2073:**

Sample number Village-Well02-01 was incorrectly entered in the data package by the laboratory. As per chain-of-custody (COC) record, the correct sample number should be Village-Well02-01 not VILLAGE-WELL02-01. Data reviewer manually corrected the sample number in data package and initialed it.

Laboratory mentioned in case narrative that, RPD failed due to difference between MS and MSD for 1,4-dioxane. Data reviewer check the MS and MSD recoveries and calculated the RPD; and RPD was within the QC limit. Data reviewer contacted the lab to review the data again and make corrections. Received revised data package from the laboratory.

#### **11. FIELD DOCUMENTATION:**

No problems were identified.

#### **12. OTHER PROBLEMS:**

None

**13. DILUTIONS, RE-EXTRACTIONS and REANALYSIS:**

**Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report and the other report is marked as not to be used. The following Form 1(s) are not used:**

None





**OTHER ANALYTES WORK TABLE**

**PROJECT: Route 203 Site**

**SAMPLING DATE: March 18, 2019**

Matrix	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
Field Sample ID	P002-TW001-01	P002-TW001-02 <sup>1</sup>	P003-TW001-01	P005-TW001-01	P006-TW001-01
Lab Sample ID	K2064-01	K2064-04	K2064-05	K2064-06	K2064-07
Sample weight/Volume (mL)	1000 mL	1000 mL	1000 mL	1000 mL	1000 mL
Dilution Factor	1	1	1	1	1
<b>1,4-Dioxane (ug/L)</b>					
1,4-Dioxane	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U

Matrix	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
Field Sample ID	P009-TW001-01	P013-TW001-01	P015-TW001-01	P016-TW001-01	P017-TW001-01
Lab Sample ID	K2064-08	K2064-09	K2064-10	K2064-11	K2064-12
Sample weight/Volume (mL)	1000 mL	1000 mL	970 mL	1000 mL	1000 mL
Dilution Factor	1	1	1	1	1
<b>1,4-Dioxane (ug/L)</b>					
1,4-Dioxane	0.03 U	0.03 U	0.04 U	0.03 U	0.03 U

Matrix	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
Field Sample ID	P018-TW001-01	P020-TW001-01	P024-TW001-01	P024-TW002-01	P025-TW002-01
Lab Sample ID	K2064-13	K2064-14	K2064-15	K2064-16	K2064-17
Sample weight/Volume (mL)	1000 mL	1000 mL	1000 mL	1000 mL	980 mL
Dilution Factor	1	1	1	1	1
<b>1,4-Dioxane (ug/L)</b>					
1,4-Dioxane	0.03 U	0.03 U	0.03 U	0.03 U	0.04 U

<sup>1</sup>A field duplicate of P002-TW001-01

U: Not detected at the indicated concentration.

µg/L = micrograms per Liter

## Cover Page

**Order ID :** K2064**Project ID :** RFP 526**Client :** Weston Solutions, Inc.**Lab Sample Number**

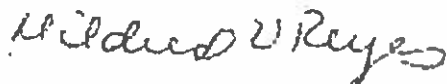
K2064-01  
K2064-02  
K2064-03  
K2064-04  
K2064-05  
K2064-06  
K2064-07  
K2064-08  
K2064-09  
K2064-10  
K2064-11  
K2064-12  
K2064-13  
K2064-14  
K2064-15  
K2064-16  
K2064-17

**Client Sample Number**

P002-TW001-01  
P002-TW001-01MS  
P002-TW001-01MSD  
P002-TW001-02  
P003-TW001-01  
P005-TW001-01  
P006-TW001-01  
P009-TW001-01  
P013-TW001-01  
P015-TW001-01  
P016-TW001-01  
P017-TW001-01  
P018-TW001-01  
P020-TW001-01  
P024-TW001-01  
P024-TW002-01  
P025-TW001-01

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature :

**APPROVED**

Date: 4/4/2019

By Mildred V Reyes, QAQC Supervisor at 2:22 pm, Apr 04, 2019

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

**CASE NARRATIVE****Weston Solutions, Inc.****Project Name: RFP 526****Project # N/A****Chemtech Project # K2064****Test Name: SVOC-SIMGroup1****A. Number of Samples and Date of Receipt:**

17 Water samples were received on 03/21/2019.

**B. Parameters**

According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1. This data package contains results for SVOC-SIMGroup1.

**C. Analytical Techniques:**

The samples were analyzed on instrument BNA\_E using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-SIMGroup1 was based on method 8270-Modified and extraction was done based on method 3510.

**D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for P025-TW001-01 [2-Methylnaphthalene-d10 - 0% and Fluoranthene-d10 - 1%]. Failing surrogates are not associated with target list. Therefore no corrective action was taken.

The Internal Standards Areas met the acceptable requirements except for P025-TW001-01. Internal standard Perylene-d12 is failing which is not associated with compound list.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD met criteria.

The Blank Spike met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 8270-SIM-BE032519.M) for 2,4,6-Tribromophenol , this compound is passing on Linear regression. The Continuous Calibration met the requirements.

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- 17

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I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature *Mildred V Reyes*

**APPROVED**  
By Mildred V Reyes, QAQC Supervisor at 12:43 pm, Apr 16, 2019

The Tuning criteria met requirements.

**E. Additional Comments:**

The package is revised to remove surrogate (2-Fluorophenol) from Case Narrative which was reported by mistake for sample P025-TW001-01.

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

**Concentration of Water Sample:**

$$\text{Concentration ug/L} = \frac{(A_x) (I_s) (V_t) (DF) (GPC)}{(A_{is}) (\overline{RRF}) (V_o) (V_i)}$$

Where,

$A_x$  = Area of the characteristic ion for the compound to be measured.

$A_{is}$  = Area of the characteristic ion for the internal standard.

$I_s$  = Amount of internal standard injected in ng.

$V_o$  = Volume of water extracted in mL.

$V_i$  = Volume of extract injected in uL.

$V_t$  = Volume of the concentrated extract in uL

$\overline{RRF}$  = Mean Relative Response Factor determined from the initial calibration standard.

$GPC = \frac{V_{in}}{V_{out}}$  = GPC factor (If no GPC is performed, GPC=1)

**F. Manual Integration Comments:**

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

**DATA REPORTING QUALIFIERS- ORGANIC**

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

**APPENDIX A**

**QA REVIEW GENERAL DOCUMENTATION**

Project #: K2064

Completed

For thorough review, the report must have the following:

**GENERAL:**

Are all original paperwork present (chain of custody, record of communication, airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

**COVER PAGE:**

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client ids on cover page agree with the Chain of Custody

✓

**CHAIN OF CUSTODY:**

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

**ANALYTICAL:**

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

✓

✓

1st Level QA Review Signature: NIMISHA PANDYA

Date: 04/04/2019

2nd Level QA Review Signature:

*Mildred V Reyes*

**APPROVED**  
Date:   
By Mildred V Reyes, QAQC Supervisor at 2:22 pm, Apr 04, 2019

**SAMPLE**  
**DATA**



## Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/18/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P002-TW001-01	SDG No.:	K2064
Lab Sample ID:	K2064-01	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup I
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE099214.D	1	03/24/19 08:09	03/26/19 13:39	PB118226

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.389		30 - 150		97%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.419		30 - 150		105%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.363		20 - 139		91%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.384		10 - 173		96%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.347		20 - 171		87%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	3154	7.83				
1146-65-2	Naphthalene-d8	14329	10.63				
15067-26-2	Acenaphthene-d10	11132	14.47				
1517-22-2	Phenanthrene-d10	30429	17.2				
1719-03-5	Chrysene-d12	34601	21.38				
1520-96-3	Perylene-d12	32168	23.89				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/18/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P002-TW001-02	SDG No.:	K2064
Lab Sample ID:	K2064-04	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroupI
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF099232.D	1	03/24/19 08:09	03/27/19 01:46	PB118226

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.426		30 - 150		106%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.443		30 - 150		111%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.401		20 - 139		100%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.419		10 - 173		105%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.382		20 - 171		95%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	3815	7.83				
1146-65-2	Naphthalene-d8	16669	10.63				
15067-26-2	Acenaphthene-d10	13128	14.47				
1517-22-2	Phenanthrene-d10	37355	17.2				
1719-03-5	Chrysene-d12	40984	21.38				
1520-96-3	Perylene-d12	33245	23.89				

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**Report of Analysis**

Client:	Weston Solutions, Inc.	Date Collected:	03/18/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P003-TW001-01	SDG No.:	K2064
Lab Sample ID:	K2064-05	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE099233.D	1	03/24/19 08:09	03/27/19 02:25	PB118226

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.398		30 - 150		100%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.431		30 - 150		108%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.369		20 - 139		92%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.393		10 - 173		98%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.511		20 - 171		128%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	3980	7.83				
1146-65-2	Naphthalene-d8	17711	10.63				
15067-26-2	Acenaphthene-d10	13806	14.47				
1517-22-2	Phenanthrene-d10	40192	17.2				
1719-03-5	Chrysene-d12	45519	21.38				
1520-96-3	Perylene-d12	38030	23.89				

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## Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/18/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P005-TW001-01	SDG No.:	K2064
Lab Sample ID:	K2064-06	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE099234.D	1	03/24/19 08:09	03/27/19 03:01	PB118226

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.419		30 - 150		105%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.435		30 - 150		109%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.376		20 - 139		94%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.425		10 - 173		106%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.359		20 - 171		90%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	3752	7.83				
1146-65-2	Naphthalene-d8	16279	10.63				
15067-26-2	Acenaphthene-d10	12807	14.47				
1517-22-2	Phenanthrene-d10	36638	17.2				
1719-03-5	Chrysene-d12	41890	21.38				
1520-96-3	Perylene-d12	35111	23.89				

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## Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/18/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P006-TW001-01	SDG No.:	K2064
Lab Sample ID:	K2064-07	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	ul.	Test:	SVOC-SIMGroup I
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE099235.D	I	03/24/19 08:09	03/27/19 03:40	PB118226

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.448		30 - 150		112%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.448		30 - 150		112%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.4		20 - 139		100%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.446		10 - 173		112%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.381		20 - 171		95%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	3769	7.84				
1146-65-2	Naphthalene-d8	16656	10.63				
15067-26-2	Acenaphthene-d10	12981	14.47				
1517-22-2	Phenanthrene-d10	38150	17.2				
1719-03-5	Chrysene-d12	41724	21.38				
1520-96-3	Perylene-d12	34361	23.89				

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## Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/18/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P009-TW001-01	SDG No.:	K2064
Lab Sample ID:	K2064-08	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup I
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE099239.D	1	03/24/19 08.09	03/27/19 08.05	PB118226

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.414		30 - 150		103%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 - 150		105%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.383		20 - 139		96%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.408		10 - 173		102%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.363		20 - 171		91%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	4267	7.83				
1146-65-2	Naphthalene-d8	18527	10.63				
15067-26-2	Acenaphthene-d10	15113	14.47				
1517-22-2	Phenanthrene-d10	43724	17.2				
1719-03-5	Chrysene-d12	49335	21.38				
1520-96-3	Perylene-d12	39321	23.89				

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**Report of Analysis**

Client:	Weston Solutions, Inc.	Date Collected:	03/18/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P013-TW001-01	SDG No.:	K2064
Lab Sample ID:	K2064-09	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroupI
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE099240.D	1	03/24/19 08:09	03/27/19 08:41	PB118226

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.386		30 - 150		97%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.402		30 - 150		100%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.364		20 - 139		91%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.376		10 - 173		94%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.338		20 - 171		84%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	4545	7.83				
1146-65-2	Naphthalene-d8	20232	10.63				
15067-26-2	Acenaphthene-d10	15975	14.47				
1517-22-2	Phenanthrene-d10	44671	17.2				
1719-03-5	Chrysene-d12	49254	21.38				
1520-96-3	Perylene-d12	39490	23.89				

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J = Estimated Value  
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**Report of Analysis**

Client:	Weston Solutions, Inc.	Date Collected:	03/18/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P015-TW001-01	SDG No.:	K2064
Lab Sample ID:	K2064-10	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroupI
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE099241.D	1	03/24/19 08:09	03/27/19 09:20	PB118226

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.04	U	0.04	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.427		30 - 150		107%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.455		30 - 150		114%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.39		20 - 139		97%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.409		10 - 173		102%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.373		20 - 171		93%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	3512	7.83				
1146-65-2	Naphthalene-d8	15943	10.63				
15067-26-2	Acenaphthene-d10	12558	14.47				
1517-22-2	Phenanthrene-d10	37897	17.2				
1719-03-5	Chrysene-d12	42862	21.38				
1520-96-3	Perylene-d12	35151	23.89				

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## Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/18/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P016-TW001-01	SDG No.:	K2064
Lab Sample ID:	K2064-11	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE099242.D	1	03/24/19 08:09	03/27/19 09:59	PB118226

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.42		30 - 150		105%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.446		30 - 150		112%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.385		20 - 139		96%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.394		10 - 173		98%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		20 - 171		93%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	3733	7.83				
1146-65-2	Naphthalene-d8	16309	10.63				
15067-26-2	Acenaphthene-d10	12995	14.47				
1517-22-2	Phenanthrene-d10	36917	17.2				
1719-03-5	Chrysene-d12	40728	21.38				
1520-96-3	Perylene-d12	32687	23.89				

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## Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/18/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P017-TW001-01	SDG No.:	K2064
Lab Sample ID:	K2064-12	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroupI
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE099245.D	1	03/24/19 08:09	03/27/19 11:49	PBI18226

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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### TARGETS

123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
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### SURROGATES

7297-45-2	2-Methylnaphthalene-d10	0.423		30 - 150		106%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.445		30 - 150		111%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.394		20 - 139		98%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.407		10 - 173		102%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.386		20 - 171		97%	SPK: 0.4

### INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	3816	7.83
1146-65-2	Naphthalene-d8	17370	10.63
15067-26-2	Acenaphthene-d10	13517	14.47
1517-22-2	Phenanthrene-d10	38235	17.2
1719-03-5	Chrysene-d12	41854	21.38
1520-96-3	Perylene-d12	31876	23.89

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

**Report of Analysis**

Client:	Weston Solutions, Inc.	Date Collected:	03/18/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P018-TW001-01	SDG No.:	K2064
Lab Sample ID:	K2064-13	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE099243.D	1	03/24/19 08:09	03/27/19 10:35	PB118226

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.406		30 - 150		101%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.436		30 - 150		109%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.398		20 - 139		100%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.397		10 - 173		99%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.379		20 - 171		95%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	3642	7.83				
1146-65-2	Naphthalene-d8	15702	10.63				
15067-26-2	Acenaphthene-d10	12441	14.47				
1517-22-2	Phenanthrene-d10	34770	17.2				
1719-03-5	Chrysene-d12	37411	21.38				
1520-96-3	Perylene-d12	28662	23.89				

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
 E = Value Exceeds Calibration Range  
 Q = indicates LCS control criteria did not meet requirements  
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound  
 \* = Values outside of QC limits  
 D = Dilution  
 () = Laboratory InHouse Limit  
 A = Aldol-Condensation Reaction Products

## Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/18/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P020-TW001-01	SDG No.:	K2064
Lab Sample ID:	K2064-14	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup I
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N P11 :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BI099205.D	1	03/24/19 08:09	03/26/19 08:01	PB118226

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.417		30 - 150		104%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.439		30 - 150		110%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.385		20 - 139		96%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.408		10 - 173		102%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.357		20 - 171		89%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	3613	7.84				
1146-65-2	Naphthalene-d8	15768	10.63				
15067-26-2	Acenaphthene-d10	12498	14.49				
1517-22-2	Phenanthrene-d10	34083	17.22				
1719-03-5	Chrysene-d12	39166	21.39				
1520-96-3	Perylene-d12	34827	23.9				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/18/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P024-TW001-01	SDG No.:	K2064
Lab Sample ID:	K2064-15	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	ul.	Test:	SVOC-SIMGroupI
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE099206.D	1	03/24/19 08:09	03/26/19 08:37	PB118226

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.456		30 - 150		114%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.485		30 - 150		121%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.425		20 - 139		106%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.432		10 - 173		108%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.402		20 - 171		100%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	3382	7.83				
1146-65-2	Naphthalene-d8	14528	10.63				
15067-26-2	Acenaphthene-d10	11402	14.47				
1517-22-2	Phenanthrene-d10	33353	17.2				
1719-03-5	Chrysene-d12	37455	21.38				
1520-96-3	Perylene-d12	34340	23.89				

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
 E = Value Exceeds Calibration Range  
 Q = indicates LCS control criteria did not meet requirements  
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound  
 \* = Values outside of QC limits  
 D = Dilution  
 () = Laboratory InHouse Limit  
 A = Aldol-Condensation Reaction Products

**Report of Analysis**

Client:	Weston Solutions, Inc.	Date Collected:	03/18/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P024-TW002-01	SDG No.:	K2064
Lab Sample ID:	K2064-16	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroupI
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE099207.D	1	03/24/19 08:09	03/26/19 09:16	PB118226

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.388		30 - 150		97%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.403		30 - 150		101%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.363		20 - 139		91%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.368		10 - 173		92%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.339		20 - 171		85%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	3440	7.83				
1146-65-2	Naphthalene-d8	15554	10.63				
15067-26-2	Acenaphthene-d10	12360	14.47				
1517-22-2	Phenanthrene-d10	35432	17.2				
1719-03-5	Chrysene-d12	39139	21.38				
1520-96-3	Perylene-d12	36348	23.89				

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
 E = Value Exceeds Calibration Range  
 Q = indicates LCS control criteria did not meet requirements  
 M = MS/MSD acceptance criteria did not meet requirements  
 J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound  
 \* = Values outside of QC limits  
 D = Dilution  
 () = Laboratory InHouse Limit  
 A = Aldol-Condensation Reaction Products



**LAB CHRONICLE**

OrderID: K2064  
Client: Weston Solutions, Inc.  
Contact: Smita Sumbaly

OrderDate: 3/22/2019 10:54:00 AM  
Project: RFP 526  
Location: F41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2064-01	P002-TW001-01	Water	SVOC-SIMGroup1	8270-Modifie d	03/18/19	03/24/19	03/26/19	03/21/19
K2064-04	P002-TW001-02	Water	SVOC-SIMGroup1	8270-Modifie d	03/18/19	03/24/19	03/27/19	03/21/19
K2064-05	P003-TW001-01	Water	SVOC-SIMGroup1	8270-Modifie d	03/18/19	03/24/19	03/27/19	03/21/19
K2064-06	P005-TW001-01	Water	SVOC-SIMGroup1	8270-Modifie d	03/18/19	03/24/19	03/27/19	03/21/19
K2064-07	P006-TW001-01	Water	SVOC-SIMGroup1	8270-Modifie d	03/18/19	03/24/19	03/27/19	03/21/19
K2064-08	P009-TW001-01	Water	SVOC-SIMGroup1	8270-Modifie d	03/18/19	03/24/19	03/27/19	03/21/19
K2064-09	P013-TW001-01	Water	SVOC-SIMGroup1	8270-Modifie d	03/18/19	03/24/19	03/27/19	03/21/19
K2064-10	P015-TW001-01	Water	SVOC-SIMGroup1	8270-Modifie d	03/18/19	03/24/19	03/27/19	03/21/19
K2064-11	P016-TW001-01	Water	SVOC-SIMGroup1	8270-Modifie d	03/18/19	03/24/19	03/27/19	03/21/19



284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

**LAB CHRONICLE**

K2064-12	P017-TW001-01	Water	SVOC-SIMGroup1	8270-Modifie d	03/18/19	03/24/19	03/27/19	03/21/19
K2064-13	P018-TW001-01	Water	SVOC-SIMGroup1	8270-Modifie d	03/18/19	03/24/19	03/27/19	03/21/19
K2064-14	P020-TW001-01	Water	SVOC-SIMGroup1	8270-Modifie d	03/18/19	03/24/19	03/26/19	03/21/19
K2064-15	P024-TW001-01	Water	SVOC-SIMGroup1	8270-Modifie d	03/18/19	03/24/19	03/26/19	03/21/19
K2064-16	P024-TW002-01	Water	SVOC-SIMGroup1	8270-Modifie d	03/18/19	03/24/19	03/26/19	03/21/19
K2064-17	P025-TW001-01	Water	SVOC-SIMGroup1	8270-Modifie d	03/18/19	03/24/19	03/27/19	03/21/19



**SHIPPING**  
**DOCUMENTS**

USEPA

Date Shipped: 3/20/2019  
 Carrier Name: FedEx  
 Airbill No: 7747-4859-3040

CHAIN OF CUSTODY RECORD

Site #: 526  
 Contact Name: Michael Lang  
 Contact Phone: 908-565-2974

No: 2-031919-0370-0083-0001

Cooler # 26  
 Lab: Chemtech Consulting Group  
 Lab Phone: 908-789-8900

K2049 / K2064

No TAGS

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P002-TW001-01	P002-TW001	TCL VOCs	Potable Water	3/18/2019	14:25	3	40 mL VOA	4 C, HCl pH<2	Y
	P002-TW001-01	P002-TW001	TCL SVOCs	Potable Water	3/18/2019	14:25	2	1 liter amber	4 C	Y
	P002-TW001-01	P002-TW001	TCL PCBs	Potable Water	3/18/2019	14:25	6	1 liter amber	4 C	Y
	P002-TW001-02	P002-TW001	TCL VOCs	Potable Water	3/18/2019	14:25	3	40 mL VOA	4 C, HCl pH<2	N
	P002-TW001-02	P002-TW001	TCL SVOCs	Potable Water	3/18/2019	14:25	2	1 liter amber	4 C	N
	P002-TW001-02	P002-TW001	TCL PCBs	Potable Water	3/18/2019	14:25	2	1 liter amber	4 C	N
	P003-TW001-01	P003-TW001	TCL PCBs	Potable Water	3/18/2019	14:59	2	1 liter amber	4 C	N
	P003-TW001-01	P003-TW001	TCL VOCs	Potable Water	3/18/2019	14:59	3	40 mL VOA	4 C, HCl pH<2	N
	P003-TW001-01	P003-TW001	TCL SVOCs	Potable Water	3/18/2019	14:59	2	1 liter amber	4 C	N
	P005-TW001-01	P005-TW001	TCL PCBs	Potable Water	3/18/2019	17:11	2	1 liter amber	4 C	N
	P005-TW001-01	P005-TW001	TCL VOCs	Potable Water	3/18/2019	17:11	3	40 mL VOA	4 C, HCl pH<2	N
	P005-TW001-01	P005-TW001	TCL SVOCs	Potable Water	3/18/2019	17:11	2	1 liter amber	4 C	N
	P006-TW001-01	P006-TW001	TCL PCBs	Potable Water	3/18/2019	18:12	2	1 liter amber	4 C	N
	P006-TW001-01	P006-TW001	TCL VOCs	Potable Water	3/18/2019	18:12	3	40 mL VOA	4 C, HCl pH<2	N
	P006-TW001-01	P006-TW001	TCL SVOCs	Potable Water	3/18/2019	18:12	2	1 liter amber	4 C	N
	P009-TW001-01	P009-TW001	TCL PCBs	Potable Water	3/18/2019	15:31	2	1 liter amber	4 C	N
	P009-TW001-01	P009-TW001	TCL VOCs	Potable Water	3/18/2019	15:31	3	40 mL VOA	4 C, HCl pH<2	N
	P009-TW001-01	P009-TW001	TCL SVOCs	Potable Water	3/18/2019	15:31	2	1 liter amber	4 C	N
	P013-TW001-01	P013-TW001	TCL PCBs	Potable Water	3/18/2019	16:05	2	1 liter amber	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	<i>[Signature]</i> - Weston Solutions	3/20/2019 1000	<i>[Signature]</i>	3-21-19 9:30	IR Gun #1 2.4

K2049/K2064

6.1

USEPA

Date Shipped: 3/20/2019  
 Carrier Name: FedEx  
 Airbill No: 7747-4859-3040

CHAIN OF CUSTODY RECORD

Site #: 526  
 Contact Name: Michael Lang  
 Contact Phone: 908-565-2974

No: 2-031919-0370-0083-0001

Cooler #: T6  
 Lab: Chemtech Consulting Group  
 Lab Phone: 808-788-8900

N/C  
 TAGS

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P013-TW001-01	P013-TW001	TCL VOCs	Potable Water	3/18/2019	16:05	3	40 mL VOA	4 C, HCl pH<2	N
	P013-TW001-01	P013-TW001	TCL SVOCs	Potable Water	3/18/2019	16:05	2	1 liter amber	4 C	N
	P015-TW001-01	P015-TW001	TCL PCBs	Potable Water	3/18/2019	16:24	2	1 liter amber	4 C	N
	P015-TW001-01	P015-TW001	TCL VOCs	Potable Water	3/18/2019	16:24	3	40 mL VOA	4 C, HCl pH<2	N
	P015-TW001-01	P015-TW001	TCL SVOCs	Potable Water	3/18/2019	16:24	2	1 liter amber	4 C	N
	P016-TW001-01	P016-TW001	TCL PCBs	Potable Water	3/18/2019	15:52	2	1 liter amber	4 C	N
	P016-TW001-01	P016-TW001	TCL VOCs	Potable Water	3/18/2019	15:52	3	40 mL VOA	4 C, HCl pH<2	N
	P016-TW001-01	P016-TW001	TCL SVOCs	Potable Water	3/18/2019	15:52	2	1 liter amber	4 C	N
	P017-TW001-01	P017-TW001	TCL PCBs	Potable Water	3/18/2019	15:15	2	1 liter amber	4 C	N
	P017-TW001-01	P017-TW001	TCL VOCs	Potable Water	3/18/2019	15:15	3	40 mL VOA	4 C, HCl pH<2	N
	P017-TW001-01	P017-TW001	TCL SVOCs	Potable Water	3/18/2019	15:15	2	1 liter amber	4 C	N
	P018-TW001-01	P018-TW001	TCL PCBs	Potable Water	3/18/2019	18:19	2	1 liter amber	4 C	N
	P018-TW001-01	P018-TW001	TCL VOCs	Potable Water	3/18/2019	18:19	3	40 mL VOA	4 C, HCl pH<2	N
	P018-TW001-01	P018-TW001	TCL SVOCs	Potable Water	3/18/2019	18:19	2	1 liter amber	4 C	N
	P020-TW001-01	P020-TW001	TCL PCBs	Potable Water	3/18/2019	17:34	2	1 liter amber	4 C	N
	P020-TW001-01	P020-TW001	TCL VOCs	Potable Water	3/18/2019	17:34	3	40 mL VOA	4 C, HCl pH<2	N
	P020-TW001-01	P020-TW001	TCL SVOCs	Potable Water	3/18/2019	17:34	2	1 liter amber	4 C	N
	P024-TW001-01	P024-TW001	TCL VOCs	Potable Water	3/18/2019	19:05	3	40 mL VOA	4 C, HCl pH<2	N
	P024-TW001-01	P024-TW001	TCL SVOCs	Potable Water	3/18/2019	19:05	2	1 liter amber	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples / All Analyses	<i>[Signature]</i>	7/20/2019 1000	<i>[Signature]</i>	3-21-19 9:50	IR-Gas #1 2.4c

K2049/  
K2001  
6.1

USEPA

Date Shipped: 3/20/2019

Carrier Name: FedEx

Airbill No: 7747-4859-3040

CHAIN OF CUSTODY RECORD

Site #: 526

Contact Name: Michael Lang

Contact Phone: 908-565-2974

No: 2-031919-0370-0083-0001

Cooler # 76

Lab: Chemtech Consulting Group

Lab Phone: 908-789-8900

NO  
TAGS

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P024-TW001-01	P024-TW001	TCL PCBs	Potable Water	3/18/2019	19:05	2	1 liter amber	4 C	N
	P024-TW002-01	P024-TW002	TCL VOCs	Potable Water	3/18/2019	19:20	3	40 mL VOA	4 C, HCl pH<2	N
	P024-TW002-01	P024-TW002	TCL SVOCs	Potable Water	3/18/2019	19:20	2	1 liter amber	4 C	N
	P024-TW002-01	P024-TW002	TCL PCBs	Potable Water	3/18/2019	19:20	2	1 liter amber	4 C	N
	P025-TW001-01	P025-TW001	TCL VOCs	Potable Water	3/18/2019	16:57	3	40 mL VOA	4 C, HCl pH<2	N
	P025-TW001-01	P025-TW001	TCL SVOCs	Potable Water	3/18/2019	16:57	2	1 liter amber	4 C	N
	P025-TW001-01	P025-TW001	TCL PCBs	Potable Water	3/18/2019	16:57	2	1 liter amber	4 C	N
	TB-190319-01	TB-190319	TCL VOCs	Potable Water	3/19/2019	20:00	3	40 mL VOA	4 C, HCl pH<2	N
<i>[Handwritten signature]</i>										

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM  
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples/ All Analytes	<i>[Signature]</i>	3/20/2019 1000	<i>[Signature]</i>	9:30 3-21-19	IR Gun # 2-416

**Laboratory Certification**

<b>Certified By</b>	<b>License No.</b>
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5





**OTHER ANALYTES WORK TABLE**

**PROJECT: Route 203 Site**

**SAMPLING DATES: January 19 and 21, 2019**

Matrix	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
Field Sample ID	P001-TW001-03	P001-TW001-04 <sup>1</sup>	P001-TW002-02	P004-TW001-01	P007-TW001-01
Lab Sample ID	K2073-01	K2073-04	K2073-05	K2073-06	K2073-07
Sample weight/Volume (mL)	1000 mL	1000 mL	1000 mL	1000 mL	1000 mL
Dilution Factor	1	1	1	1	1
<b>1,4-Dioxane (ug/L)</b>					
1,4-Dioxane	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U

Matrix	Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
Field Sample ID	P010-TW001-01	P011-TW001-01	P012-TW001-01	P014-TW001-01	P019-TW001-01
Lab Sample ID	K2073-08	K2073-09	K2073-10	K2073-11	K2073-12
Sample weight/Volume (mL)	1000 mL	1000 mL	1000 mL	1000 mL	1000 mL
Dilution Factor	1	1	1	1	1
<b>1,4-Dioxane (ug/L)</b>					
1,4-Dioxane	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U

Matrix	Potable Water	Potable Water	Potable Water	Potable Water
Field Sample ID	P021-TW001-01	P022-TW001-01	P023-TW001-01	Village-Well02-01
Lab Sample ID	K2073-13	K2073-14	K2073-15	K2073-17
Sample weight/Volume (mL)	1000 mL	1000 mL	1000 mL	1000 mL
Dilution Factor	1	1	1	1
<b>1,4-Dioxane (ug/L)</b>				
1,4-Dioxane	0.03 U	0.03 U	0.03 U	0.03 U

<sup>1</sup>A field duplicate of P001-TW001-03

U: Not detected at the indicated concentration.

µg/L = micrograms per Liter

**Cover Page****Order ID :** K2073**Project ID :** RFP 526**Client :** Weston Solutions, Inc.**Lab Sample Number**

K2073-01  
 K2073-02  
 K2073-03  
 K2073-04  
 K2073-05  
 K2073-06  
 K2073-07  
 K2073-08  
 K2073-09  
 K2073-10  
 K2073-11  
 K2073-12  
 K2073-13  
 K2073-14  
 K2073-15  
 K2073-16

**Client Sample Number**

P001-TW001-03  
 P001-TW001-03MS  
 P001-TW001-03MSD  
 P001-TW001-04  
 P001-TW002-02  
 P004-TW001-01  
 P007-TW001-01  
 P010-TW001-01  
 P011-TW001-01  
 P012-TW001-01  
 P014-TW001-01  
 P019-TW001-01  
 P021-TW001-01  
 P022-TW001-01  
 P023-TW001-01  
 VILLAGE-WELL02-01

*Village-Well*

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature :

*Mildred V Reyes***APPROVED**Date: 4/4/2019  
By Mildred V Reyes, QAQC Supervisor at 3:01 pm, Apr 04, 2019

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

**CASE NARRATIVE**

**Weston Solutions, Inc.**

**Project Name: RFP 526**

**Project # N/A**

**Chemtech Project # K2073**

**Test Name: SVOC-SIMGroup1**

**A. Number of Samples and Date of Receipt:**

16 Water samples were received on 03/21/2019.

**B. Parameters**

According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1. This data package contains results for SVOC-SIMGroup1.

**C. Analytical Techniques:**

The samples were analyzed on instrument BNA\_E using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-SIMGroup1 was based on method 8270-Modified and extraction was done based on method 3510.

**D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for ~~VILLAGE-WELL~~02-01 [2-Methylnaphthalene-d10 - 1%, Fluoranthene-d10 - 1% ]. Failing surrogates are not associated with target list. Therefore no corrective action was taken.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD met criteria.

The Blank Spike met requirements for all samples.

The Blank analysis did not indicate the presenee of lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 8270-SIM-BE032519.M) for 2,4,6-Tribromophenol , this compound is passing on Linear regression.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

**E. Additional Comments:**

The data package is revised to correct RPD calculation for K2073-03MSD for MS/MSD summary form.

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

**Concentration of Water Sample:**

$$\text{Concentration ug/L} = \frac{(Ax) (Is) (Vt) (DF) (GPC)}{(Ais) (\overline{RRF}) (Vo) (Vi)}$$

Where,

Ax = Area of the characteristic ion for the compound to be measured.

Ais = Area of the characteristic ion for the internal standard.

Is = Amount of internal standard injected in ng.

Vo = Volume of water extracted in mL.

Vi = Volume of extract injected in uL.

Vt = Volume of the concentrated extract in uL

$\overline{RRF}$  = Mean Relative Response Factor determined from the initial calibration standard.

GPC =  $\frac{V_{in}}{V_{out}}$  = GPC factor (If no GPC is performed, GPC=1)

**F. Manual Integration Comments:**

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature *Mildred V Reyes*

**APPROVED**  
By Mildred V Reyes, QAQC Supervisor at 1:08 pm, Apr 16, 2019

**DATA REPORTING QUALIFIERS- ORGANIC**

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: K2073

Completed

For thorough review, the report must have the following:

**GENERAL:**

- Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page) ✓
- Check chain-of-custody for proper relinquish/return of samples ✓
- Is the chain of custody signed and complete ✓
- Check internal chain-of-custody for proper relinquish/return of samples /sample extracts ✓
- Collect information for each project id from server. Were all requirements followed ✓

**COVER PAGE:**

- Do numbers of samples correspond to the number of samples in the Chain of Custody on login page ✓
- Do lab numbers and client ids on cover page agree with the Chain of Custody ✓

**CHAIN OF CUSTODY:**

- Do requested analyses on Chain of Custody agree with form I results ✓
- Do requested analyses on Chain of Custody agree with the log-in page ✓
- Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody ✓
- Were the samples received within hold time ✓
- Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle ✓

**ANALYTICAL:**

- Was method requirement followed? ✓
- Was client requirement followed? ✓
- Does the case narrative summarize all QC failure? ✓
- All runlogs and manual integration are reviewed for requirements ✓
- All manual calculations and /or hand notations verified ✓

1st Level QA Review Signature: NIMISHA PANDYA

Date: 04/04/2019

2nd Level QA Review Signature: *Mildred V Reyes*

**APPROVED**  
By Mildred V Reyes, QAQC Supervisor at 3:00 pm, Apr 04, 2019

**SAMPLE**  
**DATA**



**Report of Analysis**

Client:	Weston Solutions, Inc.	Date Collected:	03/19/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P001-TW001-03	SDG No.:	K2073
Lab Sample ID:	K2073-01	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE099195.D	1	03/23/19 08:21	03/26/19 00:37	PB118217

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.37		30 - 150		93%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.4		30 - 150		100%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.344		20 - 139		86%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.407		10 - 173		102%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.407		20 - 171		102%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	3342	7.84				
1146-65-2	Naphthalene-d8	14752	10.63				
15067-26-2	Acenaphthene-d10	10953	14.47				
1517-22-2	Phenanthrene-d10	32272	17.21				
1719-03-5	Chrysene-d12	35980	21.38				
1520-96-3	Perylene-d12	34691	23.89				

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
 E = Value Exceeds Calibration Range  
 Q = indicates LCS control criteria did not meet requirements  
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound  
 \* = Values outside of QC limits  
 D = Dilution  
 () = Laboratory Inhouse Limit  
 A = Aldol-Condensation Reaction Products

**Report of Analysis**

Client:	Weston Solutions, Inc.	Date Collected:	03/19/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P001-TW001-04	SDG No.:	K2073
Lab Sample ID:	K2073-04	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE099198.D	1	03/23/19 08:21	03/26/19 02:30	PB118217

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.365		30 - 150		91%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.404		30 - 150		101%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.367		20 - 139		92%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.408		10 - 173		102%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.398		20 - 171		100%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	3746	7.84				
1146-65-2	Naphthalene-d8	15432	10.63				
15067-26-2	Acenaphthene-d10	11738	14.47				
1517-22-2	Phenanthrene-d10	35259	17.21				
1719-03-5	Chrysene-d12	40081	21.38				
1520-96-3	Perylene-d12	38027	23.9				

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
 E = Value Exceeds Calibration Range  
 Q = indicates LCS control criteria did not meet requirements  
 M = MS/MSD acceptance criteria did not meet requirements  
 J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound  
 \* = Values outside of QC limits  
 D = Dilution  
 () = Laboratory InHouse Limit  
 A = Aldol-Condensation Reaction Products

## Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/19/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P001-TW002-02	SDG No.:	K2073
Lab Sample ID:	K2073-05	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE099199.D	1	03/23/19 08:21	03/26/19 03:06	PB118217

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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### TARGETS

123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
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### SURROGATES

7297-45-2	2-Methylnaphthalene-d10	0.375		30 - 150		94%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.397		30 - 150		99%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.368		20 - 139		92%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.395		10 - 173		99%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.473		20 - 171		118%	SPK: 0.4

### INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	3436	7.84
1146-65-2	Naphthalene-d8	14877	10.63
15067-26-2	Acenaphthene-d10	11638	14.47
1517-22-2	Phenanthrene-d10	32571	17.21
1719-03-5	Chrysene-d12	37533	21.38
1520-96-3	Perylene-d12	34073	23.89

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory In-house Limit

A = Aldol-Condensation Reaction Products

**Report of Analysis**

Client:	Weston Solutions, Inc.	Date Collected:	03/19/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P004-TW001-01	SDG No.:	K2073
Lab Sample ID:	K2073-06	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE099200.D	1	03/23/19 08:21	03/26/19 03:45	PB118217

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.388		30 - 150		97%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.403		30 - 150		101%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.357		20 - 139		89%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.45		10 - 173		113%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.405		20 - 171		101%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	3424	7.84				
1146-65-2	Naphthalene-d8	15337	10.63				
15067-26-2	Acenaphthene-d10	11577	14.47				
1517-22-2	Phenanthrene-d10	31500	17.21				
1719-03-5	Chrysene-d12	34747	21.38				
1520-96-3	Perylene-d12	31228	23.9				

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
 E = Value Exceeds Calibration Range  
 Q = indicates LCS control criteria did not meet requirements  
 M = MS/MSD acceptance criteria did not meet requirements  
 J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound  
 \* = Values outside of QC limits  
 D = Dilution  
 () = Laboratory InHouse Limit  
 A = Aldol-Condensation Reaction Products

**Report of Analysis**

Client:	Weston Solutions, Inc.	Date Collected:	03/19/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P007-TW001-01	SDG No.:	K2073
Lab Sample ID:	K2073-07	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE099201.D	1	03/23/19 08:21	03/26/19 04:20	PB118217

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.375		30 - 150		94%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.402		30 - 150		100%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.338		20 - 139		84%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.41		10 - 173		102%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.414		20 - 171		103%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	3248	7.84				
1146-65-2	Naphthalene-d8	14300	10.63				
15067-26-2	Acenaphthene-d10	10839	14.47				
1517-22-2	Phenanthrene-d10	31401	17.21				
1719-03-5	Chrysene-d12	34773	21.38				
1520-96-3	Perylene-d12	32308	23.9				

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
 E = Value Exceeds Calibration Range  
 Q = indicates LCS control criteria did not meet requirements  
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound  
 \* = Values outside of QC limits  
 D = Dilution  
 () = Laboratory InHouse Limit  
 A = Aldol-Condensation Reaction Products

**Report of Analysis**

Client:	Weston Solutions, Inc.	Date Collected:	03/20/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P010-TW001-01	SDG No.:	K2073
Lab Sample ID:	K2073-08	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample W/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup I
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N P11 :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE099223.D	I	03/23/19 08:21	03/26/19 20:03	PB118217

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.384		30 - 150		96%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.401		30 - 150		100%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		20 - 139		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.407		10 - 173		102%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.42		20 - 171		105%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	3297	7.83				
1146-65-2	Naphthalene-d8	14535	10.63				
15067-26-2	Acenaphthene-d10	11327	14.47				
1517-22-2	Phenanthrene-d10	32595	17.21				
1719-03-5	Chrysene-d12	36476	21.38				
1520-96-3	Perylene-d12	32056	23.9				

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
 E = Value Exceeds Calibration Range  
 Q = indicates LCS control criteria did not meet requirements  
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound  
 \* = Values outside of QC limits  
 D = Dilution  
 () = Laboratory InHouse Limit  
 A = Aldol-Condensation Reaction Products

**Report of Analysis**

Client:	Weston Solutions, Inc.	Date Collected:	03/19/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P011-TW001-01	SDG No.:	K2073
Lab Sample ID:	K2073-09	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE099224.D	1	03/23/19 08:21	03/26/19 20:42	PB118217

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.389		30 - 150		97%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.421		30 - 150		105%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.379		20 - 139		95%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.436		10 - 173		109%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.42		20 - 171		105%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	3560	7.83				
1146-65-2	Naphthalene-d8	15245	10.63				
15067-26-2	Acenaphthene-d10	11684	14.47				
1517-22-2	Phenanthrene-d10	33531	17.2				
1719-03-5	Chrysene-d12	36680	21.38				
1520-96-3	Perylene-d12	30218	23.89				

U = Not Detected  
 LOQ = Limit of Quantitation  
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 M = MS/MSD acceptance criteria did not meet requirements  
 J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound  
 \* = Values outside of QC limits  
 D = Dilution  
 () = Laboratory InHouse Limit  
 A = Aldol-Condensation Reaction Products

**Report of Analysis**

Client:	Weston Solutions, Inc.	Date Collected:	03/20/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P012-TW001-01	SDG No.:	K2073
Lab Sample ID:	K2073-10	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000      Units: mL	Final Vol:	1000      uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup I
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N      PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE099225.D	1	03/23/19 08:21	03/26/19 21:21	PB118217

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.385		30 - 150		96%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.415		30 - 150		104%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.364		20 - 139		91%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.43		10 - 173		108%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.409		20 - 171		102%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	3744	7.83				
1146-65-2	Naphthalene-d8	16173	10.63				
15067-26-2	Acenaphthene-d10	12208	14.47				
1517-22-2	Phenanthrene-d10	35447	17.2				
1719-03-5	Chrysene-d12	39504	21.38				
1520-96-3	Perylene-d12	34282	23.89				

U = Not Detected  
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 LOD = Limit of Detection  
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 Q = indicates LCS control criteria did not meet requirements  
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound  
 \* = Values outside of QC limits  
 D = Dilution  
 () = Laboratory InHouse Limit  
 A = Aldol-Condensation Reaction Products



**Report of Analysis**

Client:	Weston Solutions, Inc.	Date Collected:	03/19/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P014-TW001-01	SDG No.:	K2073
Lab Sample ID:	K2073-11	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE099226.D	1	03/23/19 08:21	03/26/19 21:56	PB118217

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.391		30 - 150		98%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.407		30 - 150		102%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.354		20 - 139		88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.411		10 - 173		103%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.412		20 - 171		103%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	3558	7.84				
1146-65-2	Naphthalene-d8	16189	10.63				
15067-26-2	Acenaphthene-d10	12126	14.47				
1517-22-2	Phenanthrene-d10	34233	17.2				
1719-03-5	Chrysene-d12	37913	21.38				
1520-96-3	Perylene-d12	32246	23.89				

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
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 M = MS/MSD acceptance criteria did not meet requirements  
 J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound  
 \* = Values outside of QC limits  
 D = Dilution  
 () = Laboratory InHouse Limit  
 A = Aldol-Condensation Reaction Products

## Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/20/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P019-TW001-01	SDG No.:	K2073
Lab Sample ID:	K2073-12	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE099227.D	1	03/23/19 08:21	03/26/19 22:35	PB118217

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.382		30 - 150		95%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.396		30 - 150		99%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.349		20 - 139		87%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.381		10 - 173		95%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		20 - 171		97%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	3368	7.83				
1146-65-2	Naphthalene-d8	14925	10.63				
15067-26-2	Acenaphthene-d10	11729	14.47				
1517-22-2	Phenanthrene-d10	34037	17.2				
1719-03-5	Chrysene-d12	38586	21.38				
1520-96-3	Perylene-d12	29843	23.89				

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
 E = Value Exceeds Calibration Range  
 Q = indicates LCS control criteria did not meet requirements  
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound  
 \* = Values outside of QC limits  
 D = Dilution  
 () = Laboratory InHouse Limit  
 A = Aldol-Condensation Reaction Products

## Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/20/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P021-TW001-01	SDG No.:	K2073
Lab Sample ID:	K2073-13	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 ul.
Soil Aliquot Vol:	ul.	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N P11 :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE099228.D	1	03/23/19 08:21	03/26/19 23:14	PB118217

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.384		30 - 150		96%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.398		30 - 150		100%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.356		20 - 139		89%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.397		10 - 173		99%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.404		20 - 171		101%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	3444	7.83				
1146-65-2	Naphthalene-d8	15472	10.63				
15067-26-2	Acenaphthene-d10	12088	14.47				
1517-22-2	Phenanthrene-d10	34540	17.2				
1719-03-5	Chrysene-d12	38007	21.38				
1520-96-3	Perylene-d12	32893	23.89				

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
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J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound  
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 A = Aldol-Condensation Reaction Products

## Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/19/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P022-TW001-01	SDG No.:	K2073
Lab Sample ID:	K2073-14	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE099229.D	I	03/23/19 08:21	03/26/19 23:53	PB118217

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.415		30 - 150		104%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.425		30 - 150		106%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.361		20 - 139		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.423		10 - 173		106%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.431		20 - 171		108%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	3452	7.83				
1146-65-2	Naphthalene-d8	15249	10.63				
15067-26-2	Acenaphthene-d10	12102	14.47				
1517-22-2	Phenanthrene-d10	33865	17.2				
1719-03-5	Chrysene-d12	37120	21.38				
1520-96-3	Perylene-d12	30664	23.89				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

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A = Aldol-Condensation Reaction Products

## Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/19/19
Project:	RFP 526	Date Received:	03/21/19
Client Sample ID:	P023-TW001-01	SDG No.:	K2073
Lab Sample ID:	K2073-15	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF099230.D	1	03/23/19 08:21	03/27/19 00:32	PB118217

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.351		30 - 150		88%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.324		20 - 139		81%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.342		10 - 173		86%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.385		20 - 171		96%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	3809	7.83				
1146-65-2	Naphthalene-d8	17275	10.63				
15067-26-2	Acenaphthene-d10	13544	14.47				
1517-22-2	Phenanthrene-d10	36879	17.2				
1719-03-5	Chrysene-d12	40999	21.38				
1520-96-3	Perylene-d12	34351	23.9				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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J = Estimated Value

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\* = Values outside of QC limits

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## Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/21/19
Project:	RFP 526 <i>Village-Well</i>	Date Received:	03/21/19
Client Sample ID:	<del>VILLAGE-WELL02-01</del>	SDG No.:	K2073
Lab Sample ID:	K2073-16	Matrix:	Water
Analytical Method:	SW8270SIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE099231.D	1	03/23/19 08:21	03/27/19 01:07	PB118217

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
123-91-1	1,4-Dioxane	0.03	U	0.03	0.1	0.1	ug/L
<b>SURROGATES</b>							
7297-45-2	2-Methylnaphthalene-d10	0.002	*	30 - 150		1%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.002	*	30 - 150		1%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.405		20 - 139		101%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.359		10 - 173		90%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.316		20 - 171		79%	SPK: 0.4
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	5809	7.83				
1146-65-2	Naphthalene-d8	15921	10.63				
15067-26-2	Acenaphthene-d10	12054	14.47				
1517-22-2	Phenanthrene-d10	34347	17.2				
1719-03-5	Chrysene-d12	37760	21.38				
1520-96-3	Perylene-d12	27587	23.89				

U = Not Detected  
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 M = MS/MSD acceptance criteria did not meet requirements

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 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound  
 \* = Values outside of QC limits  
 D = Dilution  
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 A = Aldol-Condensation Reaction Products

**LAB CHRONICLE**

<b>OrderID:</b> K2073	<b>OrderDate:</b> 3/22/2019 12:29:00 PM
<b>Client:</b> Weston Solutions, Inc.	<b>Project:</b> RFP 526
<b>Contact:</b> Smita Sumbaly	<b>Location:</b>

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2073-01	P001-TW001-03	Water	SVOC-SIMGroup1	8270-Modifie d	03/19/19	03/23/19	03/26/19	03/21/19
K2073-04	P001-TW001-04	Water	SVOC-SIMGroup1	8270-Modifie d	03/19/19	03/23/19	03/26/19	03/21/19
K2073-05	P001-TW002-02	Water	SVOC-SIMGroup1	8270-Modifie d	03/19/19	03/23/19	03/26/19	03/21/19
K2073-06	P004-TW001-01	Water	SVOC-SIMGroup1	8270-Modifie d	03/19/19	03/23/19	03/26/19	03/21/19
K2073-07	P007-TW001-01	Water	SVOC-SIMGroup1	8270-Modifie d	03/19/19	03/23/19	03/26/19	03/21/19
K2073-08	P010-TW001-01	Water	SVOC-SIMGroup1	8270-Modifie d	03/20/19	03/23/19	03/26/19	03/21/19
K2073-09	P011-TW001-01	Water	SVOC-SIMGroup1	8270-Modifie d	03/19/19	03/23/19	03/26/19	03/21/19
K2073-10	P012-TW001-01	Water	SVOC-SIMGroup1	8270-Modifie d	03/20/19	03/23/19	03/26/19	03/21/19
K2073-11	P014-TW001-01	Water	SVOC-SIMGroup1	8270-Modifie d	03/19/19	03/23/19	03/26/19	03/21/19

284 Sheffield Street, Mountainside, New Jersey - 07092  
Phone: (908) 789 8900 Fax: (908) 789 8922

**LAB CHRONICLE**

K2073-12	P019-TW001-01	Water	SVOC-SIMGroup1	8270-Modifie d	03/20/19	03/23/19	03/26/19	03/21/19
K2073-13	P021-TW001-01	Water	SVOC-SIMGroup1	8270-Modifie d	03/20/19	03/23/19	03/26/19	03/21/19
K2073-14	P022-TW001-01	Water	SVOC-SIMGroup1	8270-Modifie d	03/19/19	03/23/19	03/26/19	03/21/19
K2073-15	P023-TW001-01	Water	SVOC-SIMGroup1	8270-Modifie d	03/19/19	03/23/19	03/27/19	03/21/19
K2073-16	VILLAGE-WELL02-01 <i>Village-Well</i>	Water	SVOC-SIMGroup1	8270-Modifie d	03/21/19	03/23/19	03/27/19	03/21/19





**SHIPPING**  
**DOCUMENTS**

K2052/2073

USEPA

Date Shipped: 3/21/2019

Carrier Name: Hand Delivered

Airbill No: NA

CHAIN OF CUSTODY RECORD

Site #: 526

Contact Name: Michael Lang

Contact Phone: 908-565-2974

No: 2-032119-0370-0083-0001

Cooler #: 6

Lab: Chemtech Consulting Group

Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-TW001-03	P001-TW001	TCL VOCs	Potable Water	3/19/2019	10:34	3	40 mL VOA	4 C, HCl pH<2	Y
	P001-TW001-03	P001-TW001	TCL SVOCs	Potable Water	3/19/2019	10:34	2	1 liter amber	4 C	Y
	P001-TW001-03	P001-TW001	TCL PCBs	Potable Water	3/19/2019	10:34	6	1 liter amber	4 C	Y
	P001-TW001-04	P001-TW001	TCL VOCs	Potable Water	3/19/2019	10:34	3	40 mL VOA	4 C, HCl pH<2	N
	P001-TW001-04	P001-TW001	TCL SVOCs	Potable Water	3/19/2019	10:34	2	1 liter amber	4 C	N
	P001-TW001-04	P001-TW001	TCL PCBs	Potable Water	3/19/2019	10:34	2	1 liter amber	4 C	N
	P001-TW002-02	P001-TW002	TCL VOCs	Potable Water	3/19/2019	11:00	3	40 mL VOA	4 C, HCl pH<2	N
	P001-TW002-02	P001-TW002	TCL SVOCs	Potable Water	3/19/2019	11:00	2	1 liter amber	4 C	N
	P001-TW002-02	P001-TW002	TCL PCBs	Potable Water	3/19/2019	11:00	2	1 liter amber	4 C	N
	P004-TW001-01	P004-TW001	TCL PCBs	Potable Water	3/19/2019	18:20	2	1 liter amber	4 C	N
	P004-TW001-01	P004-TW001	TCL VOCs	Potable Water	3/19/2019	18:20	3	40 mL VOA	4 C, HCl pH<2	N
	P004-TW001-01	P004-TW001	TCL SVOCs	Potable Water	3/19/2019	18:20	2	1 liter amber	4 C	N
	P007-TW001-01	P007-TW001	TCL PCBs	Potable Water	3/19/2019	18:24	2	1 liter amber	4 C	N
	P007-TW001-01	P007-TW001	TCL VOCs	Potable Water	3/19/2019	18:24	3	40 mL VOA	4 C, HCl pH<2	N
	P007-TW001-01	P007-TW001	TCL SVOCs	Potable Water	3/19/2019	18:24	2	1 liter amber	4 C	N
	P010-TW001-01	P010-TW001	TCL PCBs	Potable Water	3/20/2019	13:05	2	1 liter amber	4 C	N
	P010-TW001-01	P010-TW001	TCL VOCs	Potable Water	3/20/2019	13:05	3	40 mL VOA	4 C, HCl pH<2	N
	P010-TW001-01	P010-TW001	TCL SVOCs	Potable Water	3/20/2019	13:05	2	1 liter amber	4 C	N
	P011-TW001-01	P011-TW001	TCL PCBs	Potable Water	3/19/2019	19:45	2	1 liter amber	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples/ All Analytes	<i>[Signature]</i> Weston AST3	3/21/2019 1200	<i>[Signature]</i>	1:55p 3-21-19	FL-Cour # 31

USEPA

Date Shipped: 3/21/2019

Carrier Name: Hand Delivered

Airbill No: NA

CHAIN OF CUSTODY RECORD

Site #: 526

Contact Name: Michael Lang

Contact Phone: 908-565-2974

No: 2-032119-0370-0083-0001

Cooler #: 6

Lab: Chemtech Consulting Group

Lab Phone: 908-789-8900

K2052/K2073

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P011-TW001-01	P011-TW001	TCL VOCs	Potable Water	3/19/2019	19:45	3	40 mL VOA	4 C, HCl pH<2	N
	P011-TW001-01	P011-TW001	TCL SVOCs	Potable Water	3/19/2019	19:45	2	1 liter amber	4 C	N
	P012-TW001-01	P012-TW001	TCL PCBs	Potable Water	3/20/2019	17:00	2	1 liter amber	4 C	N
	P012-TW001-01	P012-TW001	TCL VOCs	Potable Water	3/20/2019	17:00	3	40 mL VOA	4 C, HCl pH<2	N
	P012-TW001-01	P012-TW001	TCL SVOCs	Potable Water	3/20/2019	17:00	2	1 liter amber	4 C	N
	P014-TW001-01	P014-TW001	TCL PCBs	Potable Water	3/19/2019	17:45	2	1 liter amber	4 C	N
	P014-TW001-01	P014-TW001	TCL VOCs	Potable Water	3/19/2019	17:45	3	40 mL VOA	4 C, HCl pH<2	N
	P014-TW001-01	P014-TW001	TCL SVOCs	Potable Water	3/19/2019	17:45	2	1 liter amber	4 C	N
	P019-TW001-01	P019-TW001	TCL PCBs	Potable Water	3/20/2019	16:26	2	1 liter amber	4 C	N
	P019-TW001-01	P019-TW001	TCL VOCs	Potable Water	3/20/2019	16:26	3	40 mL VOA	4 C, HCl pH<2	N
	P019-TW001-01	P019-TW001	TCL SVOCs	Potable Water	3/20/2019	16:26	2	1 liter amber	4 C	N
	P021-TW001-01	P021-TW001	TCL PCBs	Potable Water	3/20/2019	12:26	2	1 liter amber	4 C	N
	P021-TW001-01	P021-TW001	TCL VOCs	Potable Water	3/20/2019	12:26	3	40 mL VOA	4 C, HCl pH<2	N
	P021-TW001-01	P021-TW001	TCL SVOCs	Potable Water	3/20/2019	12:26	2	1 liter amber	4 C	N
	P022-TW001-01	P022-TW001	TCL VOCs	Potable Water	3/19/2019	14:25	3	40 mL VOA	4 C, HCl pH<2	N
	P022-TW001-01	P022-TW001	TCL SVOCs	Potable Water	3/19/2019	14:25	2	1 liter amber	4 C	N
	P022-TW001-01	P022-TW001	TCL PCBs	Potable Water	3/19/2019	14:25	2	1 liter amber	4 C	N
	P023-TW001-01	P023-TW001	TCL VOCs	Potable Water	3/19/2019	13:25	3	40 mL VOA	4 C, HCl pH<2	N
	P023-TW001-01	P023-TW001	TCL SVOCs	Potable Water	3/19/2019	13:25	2	1 liter amber	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received By (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples/ All Analyses	<i>Pliffy - Western LSPS</i>	3/21/2019 1:20	<i>CL</i>	13:50 3-21-19	PP6011 3.1

K2052/K2073

USEPA

Date Shipped: 3/21/2019

Carrier Name: Hand Delivered

Airbill No: NA

CHAIN OF CUSTODY RECORD

Site #: 528

Contact Name: Michael Lang

Contact Phone: 908-565-2974

No: 2-032119-0370-0083-0001

Cooler #: 6

Lab: Chemtech Consulting Group

Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P023-TW001-01	P023-TW001	TCL PCBs	Potable Water	3/19/2019	13:25	2	1 liter amber	4 C	N
	TB-190320-01	TB-190320	TCL VOCs	Potable Water	3/20/2019	14:00	3	40 mL VOA	4 C, HCl pH<2	N
	Village-Well02-01	Village-Well02	TCL PCBs	Potable Water	3/21/2019	09:20	2	1 liter amber	4 C	N
	Village-Well02-01	Village-Well02	TCL VOCs	Potable Water	3/21/2019	09:20	3	40 mL VOA	4 C, HCl pH<2	N
	Village-Well02-01	Village-Well02	TCL SVOCs	Potable Water	3/21/2019	09:20	2	1 liter amber	4 C	N
<i>[Large handwritten scribble]</i>										

Special Instructions: Please email results to s.sumbai@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples / H/Arrival	<i>[Signature]</i> Village-Well02-01	3/21/2019 12:00	<i>[Signature]</i>	13:50 3-21-19	FF Cool #7 3-1

**Laboratory Certification**

<b>Certified By</b>	<b>License No.</b>
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

**Attachment F**

Residential Information

**CONFIDENTIAL – NOT FOR PUBLIC RELEASE**