

Notice: Use this form to request a **written response (on agency letterhead)** from the Department of Natural Resources (DNR) regarding technical assistance, a post-closure change to a site, a specialized agreement or liability clarification for Property with known or suspected environmental contamination. A fee will be required as is authorized by s. 292.55, Wis. Stats., and NR 749, Wis. Adm. Code., unless noted in the instructions below. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

Definitions

"Property" refers to the subject Property that is perceived to have been or has been impacted by the discharge of hazardous substances.

"Liability Clarification" refers to a written determination by the Department provided in response to a request made on this form. The response clarifies whether a person is or may become liable for the environmental contamination of a Property, as provided in s. 292.55, Wis. Stats.

"Technical Assistance" refers to the Department's assistance or comments on the planning and implementation of an environmental investigation or environmental cleanup on a Property in response to a request made on this form as provided in s. 292.55, Wis. Stats.

"Post-closure modification" refers to changes to Property boundaries and/or continuing obligations for Properties or sites that received closure letters for which continuing obligations have been applied or where contamination remains. Many, but not all, of these sites are included on the GIS Registry layer of RR Sites Map to provide public notice of residual contamination and continuing obligations.

Select the Correct Form

This form should be used to request the following from the DNR:

- Technical Assistance
- Liability Clarification
- Post-Closure Modifications
- Specialized Agreements (tax cancellation, negotiated agreements, etc.)

Do not use this form if one of the following applies:

- Request for an **off-site liability exemption or clarification** for Property that has been or is perceived to be contaminated by one or more hazardous substances that originated on another Property containing the source of the contamination. Use DNR's Off-Site Liability Exemption and Liability Clarification Application Form 4400-201.
- Submittal of an Environmental Assessment for the **Lender Liability Exemption**, s 292.21, Wis. Stats., **if no response or review by DNR is requested**. Use the Lender Liability Exemption Environmental Assessment Tracking Form 4400-196.
- Request for an **exemption to develop on a historic fill site** or licensed landfill. Use DNR's Form 4400-226 or 4400-226A.
- **Request for closure** for Property where the investigation and cleanup actions are completed. Use DNR's Case Closure - GIS Registry Form 4400-202.

All forms, publications and additional information are available on the internet at: dnr.wi.gov/topic/Brownfields/Pubs.html.

Instructions

1. Complete sections 1, 2, 6 and 7 for all requests. Be sure to provide adequate and complete information.
2. Select the type of assistance requested: Section 3 for technical assistance or post-closure modifications, Section 4 for a written determination or clarification of environmental liabilities; or Section 5 for a specialized agreement.
3. Include the fee payment that is listed in Section 3, 4, or 5, unless you are a "Voluntary Party" enrolled in the Voluntary Party Liability Exemption Program **and** the questions in Section 2 direct otherwise. Information on to whom and where to send the fee is found in Section 8 of this form.
4. Send the completed request, supporting materials and the fee to the appropriate DNR regional office where the Property is located. See the map on the last page of this form. A paper copy of the signed form and all reports and supporting materials shall be sent with an electronic copy of the form and supporting materials on a compact disk. For electronic document submittal requirements see: <http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>

The time required for DNR's determination varies depending on the complexity of the site, and the clarity and completeness of the request and supporting documentation.

Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 12/18)

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Section 1. Contact and Recipient Information

Requester Information

This is the person requesting technical assistance or a post-closure modification review, that his or her liability be clarified or a specialized agreement and is identified as the requester in Section 7. DNR will address its response letter to this person.

| | | | |
|---|---------------------------|--|---|
| Last Name Thomas | First Amber | MI | Organization/ Business Name Village of Grafton |
| Mailing Address 675 North Green Bay Road | | | City Grafton |
| | | | State WI |
| | | | ZIP Code 53024 |
| Phone # (include area code) (262) 375-5325 | Fax # (include area code) | Email AThomas@Village.Grafton.wi.us | |

The requester listed above: (select all that apply)

- Is currently the owner
 Is considering selling the Property
 Is renting or leasing the Property
 Is considering acquiring the Property
 Is a lender with a mortgagee interest in the Property
 Other. Explain the status of the Property with respect to the applicant:

Contact Information (to be contacted with questions about this request)

Select if same as requester

| | | | |
|--|---------------------------|------------------------------------|------------------------------------|
| Contact Last Name Enright | First Alia | MI E | Organization/ Business Name TRC |
| Mailing Address 150 N. Patrick Blvd., Suite 180 | | | City Brookfield |
| | | | State WI |
| | | | ZIP Code 53045-5854 |
| Phone # (include area code) (608) 572-3845 | Fax # (include area code) | Email aenright@trccompanies.com | |

Environmental Consultant (if applicable)

| | | | |
|--|---------------------------|------------------------------------|------------------------------------|
| Contact Last Name Enright | First Alia | MI E | Organization/ Business Name TRC |
| Mailing Address 150 N. Patrick Blvd., Suite 180 | | | City Brookfield |
| | | | State WI |
| | | | ZIP Code 53045-5854 |
| Phone # (include area code) (608) 572-3845 | Fax # (include area code) | Email aenright@trccompanies.com | |

Section 2. Property Information

| | |
|--|---|
| Property Name Lime Kiln Park – Grafton Vil. | FID No. (if known) 246036780 |
| BRRTS No. (if known) 02-46-000743 | Parcel Identification Number 100400076000 |
| Street Address Green Bay Rd & Falls Rd. | City Grafton |
| | State WI |
| | ZIP Code 53024 |
| County Ozaukee | Municipality where the Property is located <input type="radio"/> City <input type="radio"/> Town <input checked="" type="radio"/> Village of Grafton |
| | Property is composed of: <input checked="" type="radio"/> Single tax parcel <input type="radio"/> Multiple tax parcels |
| | Property Size Acres 28 |

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1. Is a response needed by a specific date? (e.g., Property closing date) Note: Most requests are completed within 60 days. Please plan accordingly.

No Yes

Date requested by: _____

Reason:

2. Is the "Requester" enrolled as a Voluntary Party in the Voluntary Party Liability Exemption (VPLE) program?

No. **Include the fee that is required for your request in Section 3, 4 or 5.**

Yes. **Do not include a separate fee.** This request will be billed separately through the VPLE Program.

Fill out the information in Section 3, 4 or 5 which corresponds with the type of request:

Section 3. Technical Assistance or Post-Closure Modifications;

Section 4. Liability Clarification; or Section 5. Specialized Agreement.

Section 3. Request for Technical Assistance or Post-Closure Modification

Select the type of technical assistance requested: [Numbers in brackets are for WI DNR Use]

- No Further Action Letter (NFA) (Immediate Actions) - NR 708.09, [183] - **Include a fee of \$350.** Use for a written response to an immediate action after a discharge of a hazardous substance occurs. Generally, these are for a one-time spill event.
- Review of Site Investigation Work Plan - NR 716.09, [135] - **Include a fee of \$700.**
- Review of Site Investigation Report - NR 716.15, [137] - **Include a fee of \$1050.**
- Approval of a Site-Specific Soil Cleanup Standard - NR 720.10 or 12, [67] - **Include a fee of \$1050.**
- Review of a Remedial Action Options Report - NR 722.13, [143] - **Include a fee of \$1050.**
- Review of a Remedial Action Design Report - NR 724.09, [148] - **Include a fee of \$1050.**
- Review of a Remedial Action Documentation Report - NR 724.15, [152] - **Include a fee of \$350**
- Review of a Long-term Monitoring Plan - NR 724.17, [25] - **Include a fee of \$425.**
- Review of an Operation and Maintenance Plan - NR 724.13, [192] - **Include a fee of \$425.**

Other Technical Assistance - s. 292.55, Wis. Stats. [97] (For request to build on an abandoned landfill use Form 4400-226)

- Schedule a Technical Assistance Meeting - **Include a fee of \$700.**
- Hazardous Waste Determination - **Include a fee of \$700.**
- Other Technical Assistance - **Include a fee of \$700.** Explain your request in an attachment.

Post-Closure Modifications - NR 727, [181]

- Post-Closure Modifications: Modification to Property boundaries and/or continuing obligations of a closed site or Property; sites may be on the GIS Registry. This also includes removal of a site or Property from the GIS Registry. **Include a fee of \$1050, and:**
 - Include a fee of \$300 for sites with residual soil contamination; and
 - Include a fee of \$350 for sites with residual groundwater contamination, monitoring wells or for vapor intrusion continuing obligations.

Attach a description of the changes you are proposing, and documentation as to why the changes are needed (if the change to a Property, site or continuing obligation will result in revised maps, maintenance plans or photographs, those documents may be submitted later in the approval process, on a case-by-case basis).

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Skip Sections 4 and 5 if the technical assistance you are requesting is listed above and complete Sections 6 and 7 of this form.

Section 5. Request for a Specialized Agreement

Select the type of agreement needed. Include the appropriate draft agreements and supporting materials. Complete Sections 6 and 7 of this form. More information and model draft agreements are available at: dnr.wi.gov/topic/Brownfields/lgu.html#tabx4.

- Tax cancellation agreement - s. 75.105(2)(d), Wis. Stats. [654]
❖ **Include a fee of \$700, and the information listed below:**
(1) Phase I and II Environmental Site Assessment Reports,
(2) a copy of the Property deed with the correct legal description.
- Agreement for assignment of tax foreclosure judgement - s.75.106, Wis. Stats. [666]
❖ **Include a fee of \$700, and the information listed below:**
(1) Phase I and II Environmental Site Assessment Reports,
(2) a copy of the Property deed with the correct legal description.
- Negotiated agreement - Enforceable contract for non-emergency remediation - s. 292.11(7)(d) and (e), Wis. Stats. [630]
❖ **Include a fee of \$1400, and the information listed below:**
(1) a draft schedule for remediation; and,
(2) the name, mailing address, phone and email for each party to the agreement.

Section 6. Other Information Submitted

Identify all materials that are included with this request.

Send both a paper copy of the signed form and all reports and supporting materials, and an electronic copy of the form and all reports, including Environmental Site Assessment Reports, and supporting materials on a compact disk.

Include one copy of any document from any state agency files that you want the Department to review as part of this request. The person submitting this request is responsible for contacting other state agencies to obtain appropriate reports or information.

- Phase I Environmental Site Assessment Report - Date: _____
- Phase II Environmental Site Assessment Report - Date: _____
- Legal Description of Property (required for all liability requests and specialized agreements)
- Map of the Property (required for all liability requests and specialized agreements)
- Analytical results of the following sampled media: Select all that apply and include date of collection.
- Groundwater Soil Sediment Other medium - Describe: _____
- Date of Collection: _____
- A copy of the closure letter and submittal materials
- Draft tax cancellation agreement
- Draft agreement for assignment of tax foreclosure judgment
- Other report(s) or information - Describe: Groundwater Monitoring and Progress Report 2020

For Property with newly identified discharges of hazardous substances only: Has a notification of a discharge of a hazardous substance been sent to the DNR as required by s. NR 706.05(1)(b), Wis. Adm. Code?

- Yes - Date (if known): _____
- No

Note: The Notification for Hazardous Substance Discharge (non-emergency) form is available at:
dnr.wi.gov/files/PDF/forms/4400/4400-225.pdf.

Section 7. Certification by the Person who completed this form

- I am the person submitting this request (requester)
- I prepared this request for: Amber Thomas
Requester Name

I certify that I am familiar with the information submitted on this request, and that the information on and included with this request is true, accurate and complete to the best of my knowledge. I also certify I have the legal authority and the applicant's permission to make this request.

Alw Enright

**Technical Assistance, Environmental Liability
Clarification or Post-Closure Modification Request**

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2/12/2021

Signature

Date Signed

Project Manager

(608) 572-3845

Title

Telephone Number (include area code)

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Section 8. DNR Contacts and Addresses for Request Submittals

Send or deliver one paper copy and one electronic copy on a compact disk of the completed request, supporting materials, and fee to the region where the property is located to the address below. Contact a [DNR regional brownfields specialist](#) with any questions about this form or a specific situation involving a contaminated property. For electronic document submittal requirements see: <http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>.

DNR NORTHERN REGION

Attn: RR Program Assistant
Department of Natural Resources
223 E Steinfest Rd Antigo, WI 54409

DNR NORTHEAST REGION

Attn: RR Program Assistant
Department of Natural Resources
2984 Shawano Avenue
Green Bay WI 54313

DNR SOUTH CENTRAL REGION

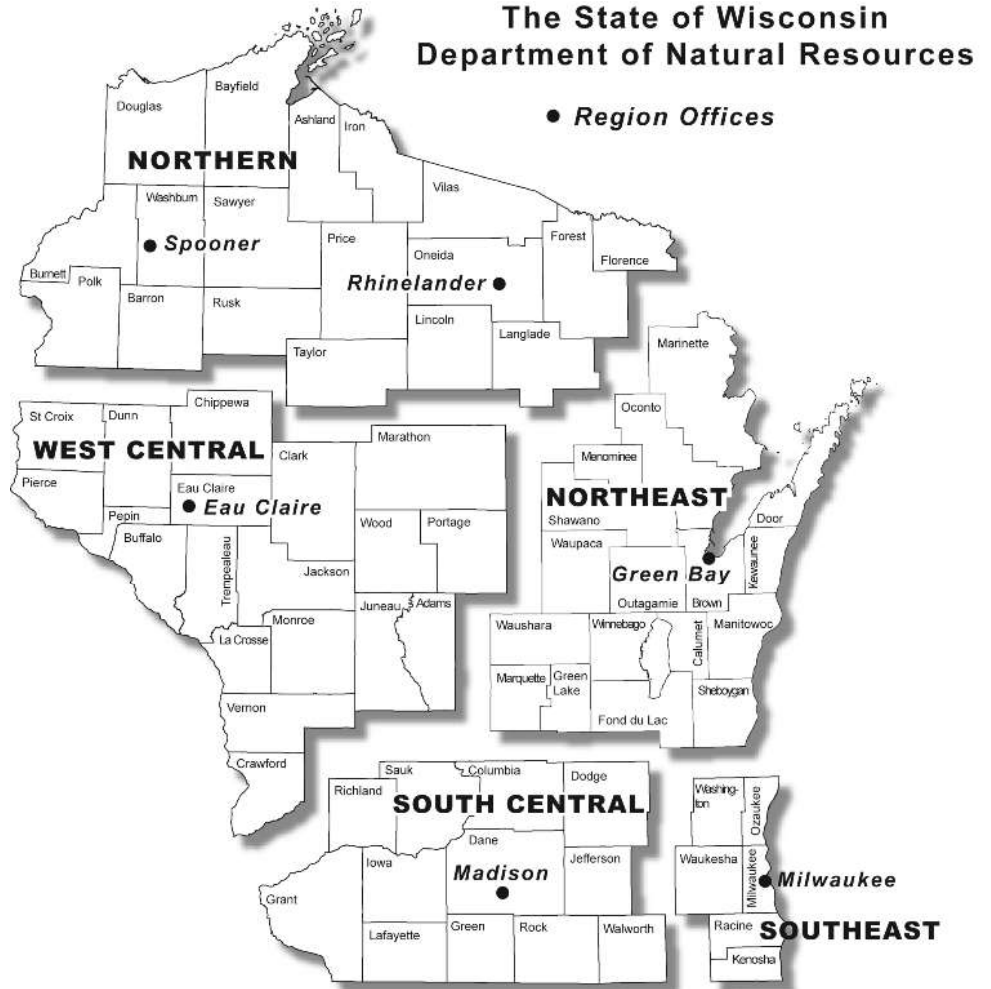
Attn: RR Program Assistant
Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg WI 53711

DNR SOUTHEAST REGION

Attn: RR Program Assistant
Department of Natural Resources
2300 North Martin Luther King Drive
Milwaukee WI 53212

DNR WEST CENTRAL REGION

Attn: RR Program Assistant
Department of Natural Resources
1300 Clairemont Ave.
Eau Claire WI 54702



Note: These are the Remediation and Redevelopment Program's designated regions. Other DNR program regional boundaries may be different.

| DNR Use Only | | | |
|---|---------------------|---------------------------------------|--|
| Date Received | Date Assigned | BRRTS Activity Code | BRRTS No. (if used) |
| DNR Reviewer | | Comments | |
| Fee Enclosed? <input type="radio"/> Yes <input type="radio"/> No | Fee Amount \$ | Date Additional Information Requested | Date Requested for DNR Response Letter |
| Date Approved | Final Determination | | |



150 N Patrick Blvd., Suite 180
Brookfield, WI 53045

T 262.879.1212
TRCcompanies.com

February 17, 2021

Mr. John Feeney
Wisconsin Department of Natural Resources
1155 Pilgrim Road
Plymouth, WI 53073

Subject: Groundwater Monitoring and Progress Report
Lime Kiln Park and West Plume Area
Village of Grafton, Wisconsin
BRRTS Activity #02-46-549906 and #02-46-000743
TRC No. 412091.0000

Dear Mr. Feeney:

Please find enclosed the Groundwater Monitoring and Progress Report for the Lime Kiln Park and West Plume Area, covering the period of January through December 2020.

This report is prepared and submitted to comply with the work items needed for the site according to the DNR letter dated May 1, 2019, which includes:

- An updated groundwater monitoring and progress report, with both Lime Kiln Park and West Plume Area BRRTS activities addressed in the same report; and
- A summary of work conducted to perform vapor intrusion screening of nearby receptors.

Please contact me at (608) 572-3845 or aenright@trccompanies.com with any questions.

Sincerely,

TRC Environmental Corporation

Alia Enright, P.E.
Project Manager

Stephen Sellwood, P.G.
Senior Hydrogeologist

cc: Amber Thomas – Village of Grafton (pdf via email)



Groundwater Monitoring and Progress Report

2020 Reporting Period

February 2021

Lime Kiln Park and West Plume
Area

BRRTS Sites

#02-46-549906 & #02-46-000743

Grafton, Wisconsin

Prepared For:

Village of Grafton
675 North Green Bay Road
Grafton, Wisconsin 53024

Prepared By:

TRC Environmental Corporation
150 N. Patrick Blvd., Suite 180
Brookfield, Wisconsin 53045

Prepared by:

Aaron Sobbe
Staff Engineer

Reviewed and Approved by:

Alia Enright, P.E. (WI)
Project Manager

Reviewed and Approved by:

Stephen Sellwood, P.G.
Senior Hydrogeologist

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1.0 Background

1.1 Site Location

The Lime Kiln Landfill/West Plume area is located near Lime Kiln Park, within the limits of the Village of Grafton (Village), Ozaukee County, Wisconsin; see Figure 1. The Milwaukee River borders the south and east edges of the park, while residential areas border the northeast, west, and southwest sides of the park. Residential areas are also located on the east side of the Milwaukee River. Industrial and commercial properties are located west, north, and northwest along Wisconsin Avenue.

1.2 Site Address

Lime Kiln Park – Grafton Vil, BRRTS #02-46-000743
Green Bay Rd & Falls Rd.
Grafton, Ozaukee County, WI 53024
SW ¼ of NE ¼ of Section 25, T10N, R21E
Lat. 43.3051265, Long. -87.9543264
Parcel ID #100400076000

Grafton Lime Kiln Park, BRRTS #02-46-549906
Green Bay Rd & Falls Rd.
Grafton, Ozaukee County, WI 53024
NE ¼ of NW ¼ of Section 25, T10N, R21E
Lat. 43.305937, Long. -87.9550536
Parcel ID #100400076000

1.3 Responsible Party

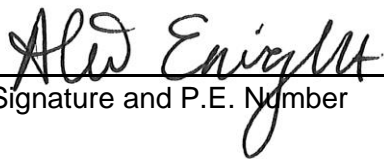
Village of Grafton
Amber Thomas, PE
Director of Public Works/Village Engineer
675 North Green Bay Road
Grafton, WI 53024
AThomas@Village.Grafton.wi.us
(262) 375-5325

1.4 Environmental Consultant


TRC Environmental Corporation
Alia Enright, PE
Project Manager
150 N Patrick Boulevard, Suite 180
Brookfield, WI 53045
AEnright@trccompanies.com
(608) 572-3845

1.5 Professional Engineer Certification

I, Alia Enright, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.


E-47666

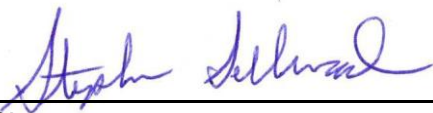
 Signature and P.E. Number



 P.E. Stamp

1.6 Certified Hydrogeologist Certification

I, Stephen Sellwood, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.



 Signature

February 17, 2021

 Date

1.7 Site Investigation Summary

In the early 1980s, the Wisconsin Department of Natural Resources (WDNR) detected volatile organic compounds (VOCs) in municipal wells within Grafton. As a result of these detections, the WDNR then sampled public, private, and groundwater monitoring wells throughout Grafton to determine the degree and extent of contamination (IT Corporation, 1989).

In 1996, trichloroethene (TCE) was detected in a Grafton municipal water supply well. In July of that same year, VOCs were detected in a private water supply well. As a result of these incidents, the WDNR and the Department of Health Services (DHS) performed sampling at 95 residential wells. Based on the results of this sampling the Lime Kiln Landfill was identified as a source of contamination. On July 7, 1997, the Village of Grafton signed the United States Environmental Protection Agency's (EPA) consent order which required the Village to abandon impacted private wells and provide clean drinking water to affected properties. From 1997 to 1998 the Village abandoned 32 private wells and extended the Village water supply to associated residences.

In 1999 the Village conducted site investigation activities which identified and differentiated the groundwater contamination as two plumes: the Lime Kiln Park Plume and the West Plume (Earth Tech, 1999). The Village then signed an agreement to be the Responsible Party for the West Plume following Potentially Responsible Party negotiations.

Beginning in 2000, the Village conducted quarterly groundwater sampling for the two sites, as summarized in various progress reports (Earth Tech, 2001; Earth Tech, 2002; Earth Tech, 2003; Earth Tech, 2004; Earth Tech, 2005; Earth Tech, 2007; AECOM, 2014). The Village proposed site investigation procedures to address data gaps for the West Plume (REI, 2008), with the results and recommendations later summarized in a Site Investigation and Preliminary Remedial Action Evaluation (AECOM, 2017). In January 2019, the Village submitted an updated progress report for the two sites (AECOM, 2019).

The Village has completed almost 25 years of investigation and monitoring for two plumes associated with the two BRRTS sites (#02-46-000743 and #02-46-549906). The West Plume and the Lime Kiln Park plume emanate from two distinct sources and mix beneath the Manchester Drive area. The Village is currently the Responsible Party for addressing both sites.

1.8 Current Status

In a letter to the Village dated May 1, 2019, the WDNR listed the following needed work items:

- Provide a vapor intrusion screening of nearby receptors.
- Submit an annual groundwater monitoring and progress report, with both Lime Kiln Park Landfill and West Plume BRRTS activities addressed in the same report.

In 2020, TRC conducted shallow groundwater sampling to assess the vapor intrusion pathway and conducted quarterly groundwater sampling according to the Recommended Monitoring Plan (AECOM, 2019). Additional details regarding the work conducted in 2020 are included in the following sections.

2.0 Annual Groundwater Monitoring Program

2.1 Monitoring Plan

The annual monitoring program implemented in 2020 was based on the sampling plan proposed by the Village's previous consultant (AECOM, 2019). The program is summarized in Table 1; see Figure 2 for site layout. Sampling included laboratory analysis of VOCs (EPA 8260) and field measurements of indicator parameters (pH, temperature, conductivity, dissolved oxygen [DO], and oxidation/reduction potential [ORP]) during sampling.

2.2 Field Methods

2.2.1 Monitoring Wells and Piezometers

Prior to sampling, TRC collected depth to water level readings from the wells using an interface probe. Well construction information, depth to water measurements, and groundwater elevations are included in Table 2. Monitoring wells and piezometers were sampled via low flow methods using a submersible pump. During Q1, Q2, and Q3 2020, piezometer P7B was sampled using a Wattera Hydrolift-2 pump, which is an oscillating pump that requires a check valve to draw water for sampling. This was used because the previous consultant noted that P7B was a 1.7-inch diameter well, which would not accommodate the submersible pump used in other wells. TRC staff observed that information was incorrect, and P7B is in fact a 2-inch well. The submersible pump was used at P7B for Q4 2020 sampling.

Wells were low-flow purged prior to sampling and stabilization parameters were monitored using a water quality multiparameter meter with a flow through cell. Once field parameters stabilized, groundwater samples were collected from the pump discharge using laboratory-provided sample bottles. Samples were submitted to ALS Laboratories in Holland, Michigan for laboratory analysis of VOCs using EPA Method 8260B. The laboratory reports are provided in Appendix A and groundwater analytical results are included in Table 3.

2.2.2 Private Wells

Prior to sampling private wells included in the monitoring program, TRC purged the private wells by discharging 80 to 100 gallons of water from the outdoor spigot or from an interior spigot located upstream of the water softening system. This was done to allow the well pump to draw formation water, and to remove water within the home's holding tank. Once the well was purged a sample was collected and water quality readings were obtained using the multiparameter water quality meter. Private well samples were submitted to ALS Laboratories in Holland, Michigan for analysis of VOCs using EPA Method 8260B. The laboratory reports are provided in Appendix A, and results are displayed in Table 3.

PW1716LR was not sampled in Q1 2020 because the outdoor spigot was turned off, and access to an indoor spigot was not granted by the property owner due to concerns of potential COVID-19 transmission.

2.3 Conceptual Hydrogeologic Model

The geology at the site has been described in previous site reports (e.g., AECOM, 2015; 2017). Based on previous descriptions, the geology at the site consists of thin (<25 feet) unconsolidated sediment deposits overlying dolomite bedrock. The uppermost bedrock consists of the Silurian Racine Formation. The Racine Formation is approximately 200 feet thick near the site and consists of approximately 170 to 180 feet of undifferentiated fractured and porous dolomite underlain by approximately 20 to 30 feet of porous dolomite described as the Romeo beds. The Romeo beds are underlain by dolomite of the Silurian Waukesha Formation. The Waukesha dolomite was previously described as being unfractured and having low porosity, and as a result, has been characterized as an aquitard (AECOM, 2017).

Groundwater flow at the site occurs primarily in the undifferentiated Racine Formation and the Romeo beds. Groundwater flow direction in the Racine Formation was evaluated by mapping hydraulic heads measured at the site in wells with screen elevations between approximately 625 to 655 feet above mean sea level (amsl). The resulting potentiometric surface map is shown on Figure 3. Groundwater elevations from the Q1 2020 sampling event (March 30, 2020) were used to generate the potentiometric surface map because the other quarterly sampling events include water level measurements from fewer wells. Based on the Q1 2020 head measurements, groundwater flows generally to the southeast and east-southeast (Figure 3). Based on hydraulic head measurements at two site well nests (MW2A/P2B and MW8A/P8B), during all four 2020 quarterly sampling events, vertical hydraulic gradients at the site are downward. Groundwater elevation data for 2020 are included in Table 2.

2.4 Groundwater Quality Monitoring

2.4.1 Monitoring Wells and Piezometers

Groundwater results for monitoring wells and piezometers are shown in Table 3, and the laboratory reports are provided in Appendix A. A discussion of overall groundwater trends is provided in Section 2.5. NR 140 Enforcement Standard (ES) and Preventive Action Level (PAL) exceedances include chlorinated VOCs (CVOCs), as shown in Table 4 and summarized here.

- Tetrachloroethene (PCE) generally exceeds the NR 140 PAL in P3B.
- Trichloroethene (TCE) generally exceeds the NR 140 ES in wells LH1, MW2A (one round), MW8A, P2B, P3B, P8B, and P9B and the NR 140 PAL in P10B and MW2A.
- Cis-1,2-dichloroethene (cis-1,2-DCE) generally exceeded the NR 140 ES in P2B and the NR 140 PAL in LH-1, MW2A, MW8A, and P8B.
- 1,1-Dichloroethene generally exceeds the NR 140 PAL in P2B and P8B.
- Vinyl chloride (VC) generally exceeds the NR 140 ES in MW2A, MW8A, P2B, and P8B.

Other VOCs detected in wells at concentrations less than the respective NR 140 PAL or ES standards include 1,1,1-trichloroethane, 1,1-dichloroethane, 2-butanone, trans-1,2-dichloroethene, and trichlorotrifluoroethane (Freon 113).

2.4.2 Private Wells

All private well samples collected in 2020 were non-detect for all VOC parameters analyzed. Groundwater results for private wells are located in Table 3, and the laboratory reports are provided in Appendix A.

2.5 Trend Analysis Discussion

Concentration versus time plots for the 15 wells sampled during 2020 are shown in Appendix B. The plots include historical data for four CVOCs of interest at the site (PCE, TCE, cis-1,2-DCE, and VC). While other VOCs have been detected in site wells, these four CVOCs represent the only current ES exceedances at the site and they are found in wells where other VOCs are detected and are thus useful indicators of overall plume distribution. Finally, these four CVOCs represent a biodegradation chain from PCE and TCE to VC, and thus serve as indicators of plume biodegradation. Trend observations for these four CVOCs in specific wells are provided below.

PCE

PCE was detected at concentrations exceeding the PAL in samples from only one well (P3B) in 2020, and the detected concentrations were below the ES. Based on a review of the concentration-time plot, detected concentrations of PCE at P3B have been decreasing for approximately 10 years. In addition, PCE has been mostly undetected in samples from LH1 for the last 10 years, indicating that PCE is largely absent from the source area.

TCE

The highest TCE concentrations at the site in 2020 were detected in samples from P2B and P8B. The long-term trend for TCE at P2B is decreasing. Historical trend analyses for TCE at P8B have previously suggested increasing TCE concentrations. However, the current concentration-time plot for TCE at P8B suggests that TCE concentrations have been decreasing since reaching a peak seven or eight years ago.

TCE concentrations in groundwater samples from four other site wells (MW2A, MW8A, P3B, and P9B) also exceeded the ES at least once during 2020. The TCE concentration-time plots for these wells indicate that TCE concentrations at MW2A have decreased over time and are usually below the ES, TCE concentrations at MW8A show a long-term decreasing trend, and TCE concentrations at P3B have been decreasing for at least the last ten years. TCE concentrations at P9B have slightly increased over time but results from recent sampling events suggest this trend may be reversing. Finally, TCE concentrations in samples from LH1 have also demonstrated a long-term decreasing trend, indicating decreasing levels of TCE in the source area.

TCE can be sourced directly from landfill waste or can form as a breakdown product of PCE undergoing reductive dechlorination. The general lack of detection of PCE at the site indicates there is very little PCE to serve as a source of TCE. Given the generally low concentrations of TCE at LH1 and the lack of PCE to serve as a source of TCE, it is expected that TCE concentrations will continue to decrease at the site. The approximate extent of TCE in site groundwater is shown on Figure 4.

Cis-1,2-DCE

Cis-1,2-DCE concentrations exceed the ES at only one site well, P2B, and the long-term trend suggests that cis-1,2-DCE concentrations at P2B are decreasing. Cis-1,2-DCE concentrations in groundwater samples from four other site wells (LH1, MW2A, MW8A, and P8B) exceeded the PAL at least once during 2020. The long-term trend for cis-1,2-DCE at LH1 is decreasing. Cis-1,2-DCE exceeded the PAL at MW2A in only one of the four 2020 samples and the one exceedance appears to be anomalous. Concentrations of cis-1,2-DCE at P8B have been decreasing for approximately 10 years.

Concentrations of cis-1,2-DCE at MW8A have been increasing for approximately 10 years; however, concentrations are still well below historic highs in this well. Cis-1,2-DCE is a breakdown product of TCE undergoing reductive dechlorination. The increasing concentrations of cis-1,2-DCE detected in samples from MW8A are likely related to the decreasing concentrations of TCE at well P2B, which is located upgradient of MW8A. As groundwater near P2B travels downgradient, the TCE degrades and generates cis-1,2-DCE. As the TCE continues to degrade, less TCE is available to serve as a source, thus there is a limit to how high the cis-1,2-DCE concentrations at MW8A can climb before biodegradation of the cis-1,2-DCE will result in decreasing concentrations. Continued monitoring is warranted to track these trends. The approximate extent of cis-1,2-DCE in site groundwater is shown on Figure 5.

VC

VC concentrations exceed the ES in groundwater samples from four site wells (MW2A, MW8A, P2B, and P8B). VC concentrations in these four wells have all decreased from historic highs and demonstrate generally decreasing trends. The approximate extent of VC in site groundwater is shown on Figure 6.

Concentration Trend Summary

CVOC concentration trends are overwhelmingly decreasing in site wells, indicating that biodegradation and other natural attenuation processes are effectively managing the groundwater plume. In addition, decreasing concentration trends at LH1 indicate a decrease in the mass of CVOCs entering the groundwater in the source area. As a result, the groundwater plume is expected to recede over time.

3.0 Shallow Groundwater Sampling

3.1 Background

In a May 1, 2019 letter to the Village of Grafton, the WDNR requested a vapor intrusion screening of the Manchester Drive subdivision and homes along Green Bay Road due to the TCE NR 140 ES exceedance at well MW8A (WDNR, 2019). On July 2, 2019, AECOM responded by providing a limited vapor intrusion assessment to the WDNR, in which it recommended three properties be sampled for vapor intrusion: 1767, 1749, and 1741 Manchester Drive (AECOM, 2019). The WDNR requested a similar assessment along Green Bay Road.

The WDNR's original request for a vapor investigation was based on incorrect information that indicated MW8A was a water table well. The WDNR stated, "The Manchester Drive subdivision is of concern because of a Wis. Admin. § NR 140.10 Enforcement Standard exceedance for TCE that was identified in water table well MW-8A," (WDNR, 2019). However, MW8A is screened at 105 to 115 feet below ground surface (bgs), which is approximately 50 feet below the water table (depth to water was generally measured at approximately 52 feet bgs in 2020).

Sampling groundwater at the true water table would provide data to determine if the water table was unimpacted and therefore the vapor intrusion pathway could be ruled out. Therefore, on June 30, 2020 TRC submitted a Site Investigation Workplan to the WDNR to complete a shallow groundwater assessment for the Manchester Drive and Green Bay Road residential areas near the Lime Kiln Landfill site to further evaluate the vapor intrusion pathway (TRC, 2020). On September 1, 2020, the WDNR approved the Site Investigation Workplan (WDNR, 2020).

3.2 Field Methods

Temporary wells were installed with a Geoprobe® using the Screen Point 16 (SP-16) sampling tool. The SP-16 sampling tool drills to the desired depth, then the boring rods are extracted, and a screen is deployed, leaving behind an extendable groundwater sampling point. To extract groundwater, a peristaltic pump is used, or if groundwater is deeper than the peristaltic pump's ability, a ball valve is placed at the end of the tubing, and an oscillating motion draws the water to the surface. Following sample collection, the sampling tool was returned to the surface and the borehole was abandoned following NR 141 requirements. Abandonment forms and well construction diagrams for this shallow groundwater sampling work are provided in Appendix C.

A total of eight screen point sampling locations (SP-01A, SP-01B, SP-01C, SP-02, SP-03A, SP-03B, SP-04A, and SP-04B) were attempted, with only one location (SP-02) producing sufficient water for sample collection, as described below.

Green Bay Road

On September 29 and 30, 2020, SP-01A, SP-01B, SP-01C, and SP-02 were installed along the shoulder of Green Bay Road. SP-01A, SP-01B, and SP-01C had refusal depths of 14.5 ft, 14.2 ft, and 13.5 ft respectively, likely due to shallow bedrock. Groundwater was not encountered in these borings.

SP-02 was installed to a depth of 34 ft, and groundwater was encountered at 13.3 ft. The groundwater was collected on September 29, 2020 using low flow sampling techniques following stabilization of indicator parameters. A sample was collected and analyzed for VOCs using EPA Method 8260B at ALS Laboratories in Holland, Michigan.

Manchester Drive

On September 29 and 30, 2020, SP-03A, SP-03B, SP-04A, and SP-04B were installed within the Manchester Drive right-of-way. SP-03A was installed to a depth of 45 ft, and initially groundwater was not encountered. After allowing the well to stabilize, a depth to water was recorded at 37.5 ft. A substantial amount of silt was observed on the water level meter. Tubing with a ball valve at the end was lowered into the screen and sample collection was attempted. The sediment in the well clogged the ball valve and inhibited it from drawing enough water to the surface for a sample. Multiple attempts to collect a sample were made. A 1-inch schedule 40 PVC temporary well was placed within the borehole and a bentonite seal was placed at the surface to inhibit surface water infiltration. SP-03A was checked on October 2, October 8, and during the Q4 2020 sampling event on December 1, 2020. During each of these events the well was dry, so the well was subsequently abandoned.

SP-03B was drilled to a refusal depth of 40' while attempting to allow SP-03A to recharge. SP-04A and SP-04B had refusal depths of 38.6 ft and 36 ft respectively, likely due to shallow bedrock. Groundwater was not encountered in these wells.

3.3 Sampling Results

Due to challenges with installation of shallow groundwater samplers and the depth to groundwater as described above, only one water sample (SP-02) was successfully collected from the eight attempted shallow groundwater sampling locations. SP-02 was non-detect for all VOC parameters analyzed. Groundwater results for SP-02 are located in Table 3, and the laboratory report is provided in Appendix A.

4.0 Vapor Intrusion

4.1 Background

The site investigation work completed to date has been primarily focused on deep portions of the groundwater plumes associated with these two BRRTS activities. As described in Section 3.0, TRC conducted further investigation in 2020 to evaluate CVOC contamination at the water table in order to evaluate potential vapor impacts overlying the plumes.

4.2 Vapor Intrusion Assessment

As discussed in Section 3.1, the WDNR's original request for a vapor assessment of the Manchester Drive subdivision and homes along Green Bay Road was due to an NR 140 ES exceedance of TCE at MW8A. However, this was based on incorrect information that indicated MW-8A was a water table well.

Per the WDNR's RR 800 *Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin* guidance document, on Figure 3a CVOC Vapor Intrusion Screening Guidelines, "When groundwater contamination is deep and the water table is clean, the clean water prevents the migration of vapors into the vadose zone. Vapor intrusion is not a risk from the contaminated groundwater in that scenario," (WDNR, 2018). Therefore, even if deeper portions of an aquifer are impacted by CVOCs, if groundwater at the water table is not impacted, vapor intrusion is not a risk pathway of concern.

4.2.1 Manchester Drive

SP-03A, SP-03B, SP-04A, and SP-04B were installed within the Manchester Drive right-of-way during the shallow groundwater sampling effort described in Section 3.0. However, these sampling locations did not yield sufficient groundwater to collect a sample. Though a water table sample could not be collected in this area to confirm the water table is not impacted, there are no indications that the water table is impacted based on the conceptual site model described in Section 2.3 and outlined below.

- The 2020 MW8A TCE concentrations either slightly exceeded or were less than the NR 140 Enforcement Standard of 5 µg/L.
 - Q1 – 8.7 µg/L
 - Q2 – 6.8 µg/L
 - Q3 – 3.8 µg/L
 - Q4 – 12 µg/L
- These "shallow" NR 140 Enforcement Standard exceedances of TCE detected at MW8A are not from water collected at the water table, but rather are from groundwater approximately 50 feet deeper than the water table surface.
 - MW8A is screened from 105 to 115 ft bgs.

- MW8A depths to groundwater in 2020 were approximately 52 feet bgs (Q1 – 52.05 ft bgs, Q2 – 52.00 ft bgs, Q3 – 54.16 ft bgs, and Q4 – 52.82 ft bgs).
- The Milwaukee River is situated between the Lime Kiln Park site and the residential properties along Manchester Drive. The river serves as a hydrologic barrier that prevents contaminants at the water table on the source side of the river from traveling along the water table to the other side of the river. In addition, the vertical hydraulic gradients measured at site well nests, including MW8A and P8B in the area of interest, are downward. Thus, groundwater that travels below the river continues to migrate downward. As a result, site hydrogeology prevents the migration of VOCs from the source areas to the water table in the vicinity of Manchester Drive.

Because there are no indications that the water table is contaminated along Manchester Drive, vapor intrusion in this area is not a risk pathway concern, per RR 800 guidance.

4.2.2 Green Bay Road

SP-01A, SP-01B, SP-01C, and SP-02 were installed along the shoulder of Green Bay Road during the shallow groundwater sampling effort described in Section 3.0. A water table sample was collected from SP-02 on September 29, 2020. The sample was non-detect for all VOC parameters analyzed.

Because the water table is not contaminated along Green Bay Road, vapor intrusion in this area is not a risk pathway concern, per RR 800 guidance.

5.0 Conclusions and Recommendations

5.1 Annual Groundwater Monitoring Program

The current groundwater monitoring program at the site, as outlined in Section 2.1, includes four quarterly monitoring rounds. The Village has completed almost 25 years of investigation and monitoring for the plumes associated with the two BRRTS sites. This wealth of historical groundwater monitoring data provides sufficient information regarding both seasonal fluctuations in groundwater flow and concentration trends, as well as overall contaminant degradation trends over time.

Because the existing data for the site indicate that changes in contaminant concentrations develop on the time scale of multiple years, continued quarterly monitoring of the site is no longer warranted. TRC proposes to reduce groundwater sampling frequency from four quarterly events to one annual event per year, as outlined in Table 5. This frequency of continued monitoring will allow for the continued monitoring of plume extents and natural attenuation processes at the site.

5.2 Vapor Assessment

Based on the conceptual site model of groundwater flow and the groundwater sampling conducted to date for the Lime Kiln Park and West Plume, there are no indications that the water table is contaminated along Green Bay Road or Manchester Drive. Per RR 800 *Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin*, because groundwater at the water table is not impacted, vapor intrusion is not a risk pathway of concern at these sites. As such, no additional vapor intrusion assessment or investigation activities are recommended.

6.0 References

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Tables

- Table 1: Current Annual Monitoring Program**
- Table 2: Well Information and Groundwater Elevations**
- Table 3: 2020 Groundwater Analytical Results**
- Table 4: Parameters That Exceed Current NR 140 Standards**
- Table 5: Proposed Annual Monitoring Program**

**Table 1 – Current Annual Monitoring Program
 BRRTS #02-46-549906 and #02-46-000743
 Lime Kiln Park and West Plume
 Grafton, Ozaukee County, Wisconsin**

| Q1 | Q2 | Q3 | Q4 |
|----------|----------|----------|----------|
| LH1 | MW2A | MW2A | MW2A |
| MW2A | P2B | P2B | P2B |
| P2B | 7B | P3B | P7B |
| P3B | MW8A | P7B | MW8A |
| P4B | P8B | MW8A | P8B |
| P7B | P10B | P8B | P10B |
| MW8A | PW1716LR | P9B | PW1716LR |
| P8B | | P10B | |
| P9B | | PW717HC | |
| P10B | | PW1716LR | |
| PW717HC | | PW1530LR | |
| PW1716LR | | PW1587LR | |
| PW1530LR | | PW461HR | |
| PW1587LR | | | |
| PW461HR | | | |

Table 2 – Well Information and Groundwater Elevations
BRRTS #02-46-549906 and #02-46-000743
Lime Kiln Park and West Plume
Grafton, Ozaukee County, Wisconsin

| Well ID (sorted by screen elevation) | Screened interval (ft bgs) | Measured Well Depth (ft bgs) | Ground Surface Elevation (ft amsl) | Reference Elevation (top of casing, ft amsl) | Top of Screen Elevation (ft amsl) | Bottom of Screen Elevation (ft amsl) | Well Diameter (inches) | 2020 Sampling Frequency | Depth to Water (ft bgs) | | | | Water Elevation (ft amsl) | | | |
|---|----------------------------------|------------------------------------|---|---|---|--|------------------------------|-------------------------------|----------------------------|----------------|-----------------|-----------------|------------------------------|----------------|-----------------|-----------------|
| | | | | | | | | | Q1 3/30/2020 | Q2 6/4/2020 | Q3 8/31/2020 | Q4 12/1/2020 | Q1 3/30/2020 | Q2 6/4/2020 | Q3 8/31/2020 | Q4 12/1/2020 |
| LH-2 (LW-02) | 8.5-28.5 | 30.95 | 726.9 | 729.44 | 720.94 | 700.94 | 6 | - | 25.19 | - | - | - | 704.25 | - | - | - |
| LH-1 (LW-01) | 13-33 | 35.61 | 728.8 | 731.95 | 718.95 | 698.95 | 6 | A | 27.6 | - | - | - | 704.35 | - | - | - |
| MW2A (P2A) | 10.5-20.5 | 22.44 | 711.0 | 713.29 | 702.79 | 692.79 | 2 | Q | 14.27 | 14.68 | 15.38 | 15.54 | 699.02 | 698.61 | 697.91 | 697.75 |
| P4B | 79.5-89.5 | 93.60 | 731.3 | 733.9 | 654.40 | 644.40 | 2 | A | 20.34 | - | - | - | 713.56 | - | - | - |
| P10B ⁽¹⁾ | 63.3-73.3 ⁽¹⁾ | 73.30 | 714.0 | 716.81 | 653.51 | 643.51 | 2 | Q | 17.22 | 17.29 | 18.60 | 18.55 | 699.59 | 699.52 | 698.21 | 698.26 |
| P2B | 63.5-73.5 | 75.25 | 711.5 | 713.83 | 650.33 | 640.33 | 2 | Q | 16.81 | 17.22 | 18.41 | 17.77 | 697.02 | 696.61 | 695.42 | 696.06 |
| P1B | 111.5-124 | - | 757.0 | 759.32 | 647.82 | 635.32 | 2 | - | - | - | - | - | - | - | - | - |
| P3B | 70-80 | 82.43 | 714.6 | 716.97 | 646.97 | 636.97 | 2 | S | 16.53 | - | 18.20 | - | 700.44 | - | 698.77 | - |
| P6B | 139-149 | 152.91 | 783.3 | 785.79 | 646.79 | 636.79 | 2 | - | 21.13 | - | - | - | 764.66 | - | - | - |
| P5B | 121-131 | 129.11 | 764.53 | 763.91 | 642.91 | 632.91 | 2 | - | 18.69 | - | - | - | 745.22 | - | - | - |
| P9B | 95-105 | 106.29 | 736.47 | 737.81 | 642.81 | 632.81 | 2 | S | 41.7 | - | 43.90 | - | 696.11 | - | 693.91 | - |
| MW8A (P8A) | 105-115 | 115.75 | 745.62 | 745.27 | 640.27 | 630.27 | 2 | Q | 52.05 | 52.00 | 54.16 | 52.82 | 693.22 | 693.27 | 691.11 | 692.45 |
| P7B | 55-65 | 68.4 | 690.5 | 693.34 | 638.34 | 628.34 | 2 | Q | 6.25 | 7.50 | 10.78 | 10.03 | 687.09 | 685.84 | 682.56 | 683.31 |
| P1C | 192-199.5 | - | 757.0 | 759.32 | 567.32 | 559.82 | 2 | - | - | - | - | - | - | - | - | - |
| P8B | 188-198 | 200.2 | 740.35 | 740.29 | 552.29 | 542.29 | 2 | Q | 47.61 | 48.40 | 50.45 | 48.53 | 692.68 | 691.89 | 689.84 | 691.76 |
| P1D | 229.5-240 | - | 757.0 | 759.32 | 529.82 | 519.32 | 2 | - | - | - | - | - | - | - | - | - |

Created by: A. Sobbe
Reviewed by: A. Enright

Notes:

1. - = Not applicable or historical information not available.
2. ft bgs = feet below ground surface
3. ft amsl = feet above mean sea level
3. Measured well depth recorded on March 30, 2020. P7B well depth measured June 4, 2020.
4. A = annual; S = semiannual; Q = quarterly
5. Former PW1749 converted to P8B.
6. Former PW1788MD converted to P9B.

**Table 4 – Parameters That Exceed Current NR 140 Standards
BRRTS #02-46-549906 and #02-46-000743
Lime Kiln Park and West Plume
Grafton, Ozaukee County, Wisconsin**

| Parameter | Units | NR140 PAL | NR140 ES | LH1 | MW02A (P02A) | MW02A (P02A) | MW02A (P02A) | MW02A (P02A) | MW08A (P08A) | MW08A (P08A) | MW08A (P08A) | MW08A (P08A) | P02B | P02B | P02B | P02B | P03B | P03B |
|------------------------|-------|--------------|-------------|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------|------------|------------|------------|------------|------------|
| | | | | 04/01/2020 | 03/31/2020 | 06/02/2020 | 09/01/2020 | 12/02/2020 | 04/02/2020 | 06/02/2020 | 09/01/2020 | 12/01/2020 | 04/01/2020 | 06/02/2020 | 08/31/2020 | 12/01/2020 | 04/01/2020 | 08/31/2020 |
| 1,1-Dichloroethene | ug/L | 0.7 | 7 | | | | | | | | | | 1.4 | | 1.0 J | 1.2 J | | |
| Chloroform | ug/L | 0.6 | 6 | | | | | | | | | | | | | | | |
| cis-1,2-Dichloroethene | ug/L | 7 | 70 | 17 J- | | 7.0 | | | 57 J- | 54 | 35 | 60 | 300 J- | 120 | 210 | 240 | | |
| Methylene chloride | ug/L | 0.5 | 5 | | | | | | | | | | | | | | | |
| Tetrachloroethene | ug/L | 0.5 | 5 | | | | | | | | | | | | | | 1.2 J | 1.4 |
| Trichloroethene | ug/L | 0.5 | 5 | 6.5 | 3.4 | 6.6 | 2.6 | 2.7 | 8.7 | 6.8 | 3.8 | 12 | 96 | 41 | 71 | 98 | 18 | 16 |
| Vinyl chloride | ug/L | 0.02 | 0.2 | | | 0.87 J | 4.0 | 4.4 | 3.6 | 1.3 J | 0.88 J | 6.3 | 190 | 59 | 160 | 120 | | |

Notes:

1. NR140 PAL Exceedance: *italics*
2. NR140 ES Exceedance: ***bold+italics***
3. NE = Not established

Footnotes:

¹ = Field Duplicate

Table 4 – Parameters That Exceed Current NR 140 Standards
 BRRTS #02-46-549906 and #02-46-000743
 Lime Kiln Park and West Plume
 Grafton, Ozaukee County, Wisconsin

| Parameter | Units | NR140 PAL | NR140 ES | P08B | P08B | P08B | P08B | P08B | P08B | P08B | P08B | P09B | P09B | P10B | P10B | P10B | P10B | TRIP BLANK | TRIP BLANK |
|------------------------|-------|-----------|----------|-------------------|-------------------------|-------------------|-------------------------|-------------------|-------------------------|-------------------|-------------------------|-------------------|-------------------|------------|------------|------------|------------|---------------|------------|
| | | | | (PW1749MD) | (PW1749MD) ¹ | (PW1749MD) | (PW1749MD) ¹ | (PW1749MD) | (PW1749MD) ¹ | (PW1749MD) | (PW1749MD) ¹ | (PW1788MD) | (PW1788MD) | | | | | | |
| 1,1-Dichloroethene | ug/L | 0.7 | 7 | <i>1.4</i> | <i>1.4</i> | <i>1.5</i> | <i>1.3 J</i> | <i>0.88 J</i> | <i>0.92 J</i> | <i>1.0 J</i> | <i>1.1 J</i> | | | | | | | | |
| Chloroform | ug/L | 0.6 | 6 | | | | | | | | | | | | | | | <i>0.61 J</i> | |
| cis-1,2-Dichloroethene | ug/L | 7 | 70 | <i>53 J-</i> | <i>52 J+</i> | <i>51</i> | <i>54</i> | <i>33</i> | <i>37</i> | <i>39</i> | <i>40</i> | | | | | | | | |
| Methylene chloride | ug/L | 0.5 | 5 | | | | | | | | | | | | | | | | <i>4.9</i> |
| Tetrachloroethene | ug/L | 0.5 | 5 | | | | | | | | | | | | | | | | |
| Trichloroethene | ug/L | 0.5 | 5 | <i>90</i> | <i>98</i> | <i>98</i> | <i>110</i> | <i>72</i> | <i>74</i> | <i>98</i> | <i>99</i> | <i>7.6</i> | <i>7.2</i> | <i>1.5</i> | <i>1.5</i> | <i>1.6</i> | <i>1.8</i> | | |
| Vinyl chloride | ug/L | 0.02 | 0.2 | <i>5.1</i> | <i>5.0</i> | <i>4.1</i> | <i>4.5</i> | <i>2.0</i> | <i>4.5</i> | <i>3.4</i> | <i>3.4</i> | | | | | | | | |

Created by: P. Popp
 Reviewed by: A. Enright

Notes:

1. NR140 PAL Exceedance: *italics*
2. NR140 ES Exceedance: ***bold+italics***
3. NE = Not established

Footnotes:

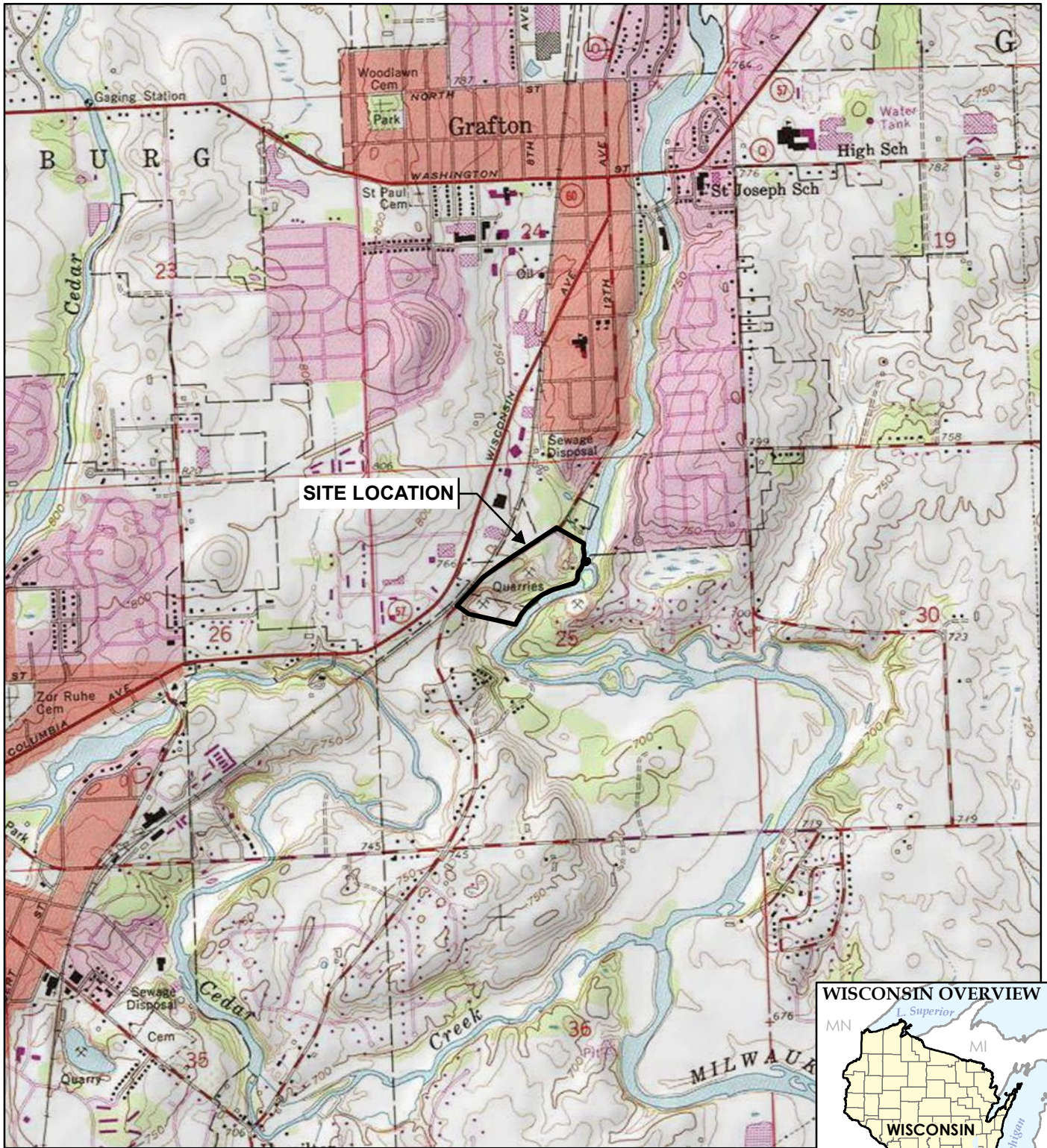
¹ = Field Duplicate

**Table 5 – Proposed Annual Monitoring Program
BRRTS #02-46-549906 and #02-46-000743
Lime Kiln Park and West Plume
Grafton, Ozaukee County, Wisconsin**

| Q3 |
|-----------|
| LH1 |
| MW2A |
| P2B |
| P3B |
| P4B |
| P7B |
| MW8A |
| P8B |
| P9B |
| P10B |
| PW717HC |
| PW1716LR |
| PW1530LR |
| PW1587LR |
| PW461HR |

Figures

- Figure 1: Site Location Map**
- Figure 2: Site Layout Map**
- Figure 3: Groundwater Flow Map – March 30, 2020**
- Figure 4: TCE Isocontour Map**
- Figure 5: cis-1,2-DCE Isocontour Map**
- Figure 6: Vinyl Chloride Isocontour Map**



BASE MAP FROM USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE SERIES.



708 Heartland Trail., Suite 3000
Madison, WI 53717
Phone: 608.826.3600

TRC - GIS

PROJECT: **BRRTS #02-46-549906 AND #02-46-000743
LIME KILN PARK AND WEST PLUME
GRAFTON, OZAUKEE COUNTY, WISCONSIN**

TITLE: **SITE LOCATION MAP**

| | |
|--------------|-------------------|
| DRAWN BY: | R. SUENICHT |
| CHECKED BY: | A. ENRIGHT |
| APPROVED BY: | S. SELLWOOD |
| DATE: | FEBRUARY 2021 |
| PROJ. NO.: | 412091 |
| FILE: | 412091-001slm.mxd |

FIGURE 1



LEGEND

- MONITORING WELL LOCATION
- SHALLOW TEMPORARY WELL LOCATION
- ATTEMPTED SHALLOW TEMPORARY WELL LOCATION
- PRIVATE WELL LOCATION
- LIMITS OF WASTE
- SITE BOUNDARY

- NOTES**
1. BASE MAP IMAGERY FROM ESRI/MAXAR, OCTOBER 2019.
 2. LIMITS OF WASTE EXTENT BASED OFF AECOM FIGURE DATED JUNE 26, 2019.
 3. ATTEMPTED SHALLOW TEMPORARY WELL LOCATIONS COULD NOT BE SAMPLED DUE TO REFUSAL PRIOR TO ENCOUNTERING THE WATER TABLE.

1" = 600'
 1:7,200

| | |
|--|-------------------|
| PROJECT: | |
| BRRTS #02-46-549906 AND #02-46-000743 LIME KILN PARK AND WEST PLUME GRAFTON, OZAUKEE COUNTY, WISCONSIN | |
| TITLE: | |
| SITE LAYOUT MAP | |
| DRAWN BY: R. SUEMNICHT | PROJ. NO.: 412091 |
| CHECKED BY: A. ENRIGHT | FIGURE 2 |
| APPROVED BY: S. SELLWOOD | |
| DATE: FEBRUARY 2021 | |
| | |
| 708 Heartland Trail, Suite 3000 Madison, WI 53717 Phone: 608.826.3600 www.trccompanies.com | |
| FILE NO.: 412091-002.mxd | |

Plot Date: 2/1/2021, 11:13:35 AM by RSUEMNICHT -- LAYOUT: ANSIB(11"x17")
 Path: S:\1-PROJECTS\11112021-003_GW.mxd
 Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
 Map Rotation: 0



LEGEND

- MONITORING WELL LOCATION
- SHALLOW TEMPORARY WELL LOCATION
- PRIVATE WELL LOCATION
- GROUNDWATER ELEVATION CONTOUR
- LIMITS OF WASTE
- SITE BOUNDARY
- GROUNDWATER FLOW DIRECTION
- GROUNDWATER ELEVATION (IN FEET)
(VALUES IN GRAY NOT USED FOR CONTOURING; SEE NOTE 3)

- NOTES**
1. BASE MAP IMAGERY FROM ESRI/MAXAR, OCTOBER 2019.
 2. LIMITS OF WASTE EXTENT BASED OFF AECOM FIGURE DATED JUNE 26, 2019.
 3. CONTOURS REPRESENT HEADS MEASURED IN THE AQUIFER BETWEEN ELEVATIONS OF APPROXIMATELY 625 TO 655 FEET MSL. GROUNDWATER ELEVATIONS FOR LH2, MW2A/P2A, AND P8B WERE NOT USED FOR CONTOURING, AS THE SCREEN INTERVALS WERE OUTSIDE THIS DEPTH INTERVAL.
 4. SHALLOW TEMPORARY WELL SP-02 WAS INSTALLED SEPTEMBER 29, 2020. TEMPORARY WELL WAS NOT SURVEYED, SO GROUNDWATER ELEVATION NOT AVAILABLE. DEPTH TO WATER WAS 13.3 FEET BGS.

0 600 1,200 Feet

1" = 600'
1:7,200

PROJECT: **BRRTS #02-46-549906 AND #02-46-000743
LIME KILN PARK AND WEST PLUME
GRAFTON, OZAUKEE COUNTY, WISCONSIN**

TITLE: **GROUNDWATER FLOW MAP
MARCH 30, 2020**

DRAWN BY: R. SUEMNICHT PROJ. NO.: 412091

CHECKED BY: A. ENRIGHT

APPROVED BY: S. SELLWOOD

DATE: FEBRUARY 2021

FIGURE 3

708 Heartland Trail, Suite 3000
Madison, WI 53717
Phone: 608.826.3600
www.trccompanies.com

FILE NO.: 412091-003_GW.mxd

TRC - GIS
 Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
 Plot Date: 2/1/2021 11:20:44 AM by RSUEMNICHT -- LAYOUT: ANSIB(11"x17")
 Path: S:\1-PROJECTS\112091-004_TCE.mxd



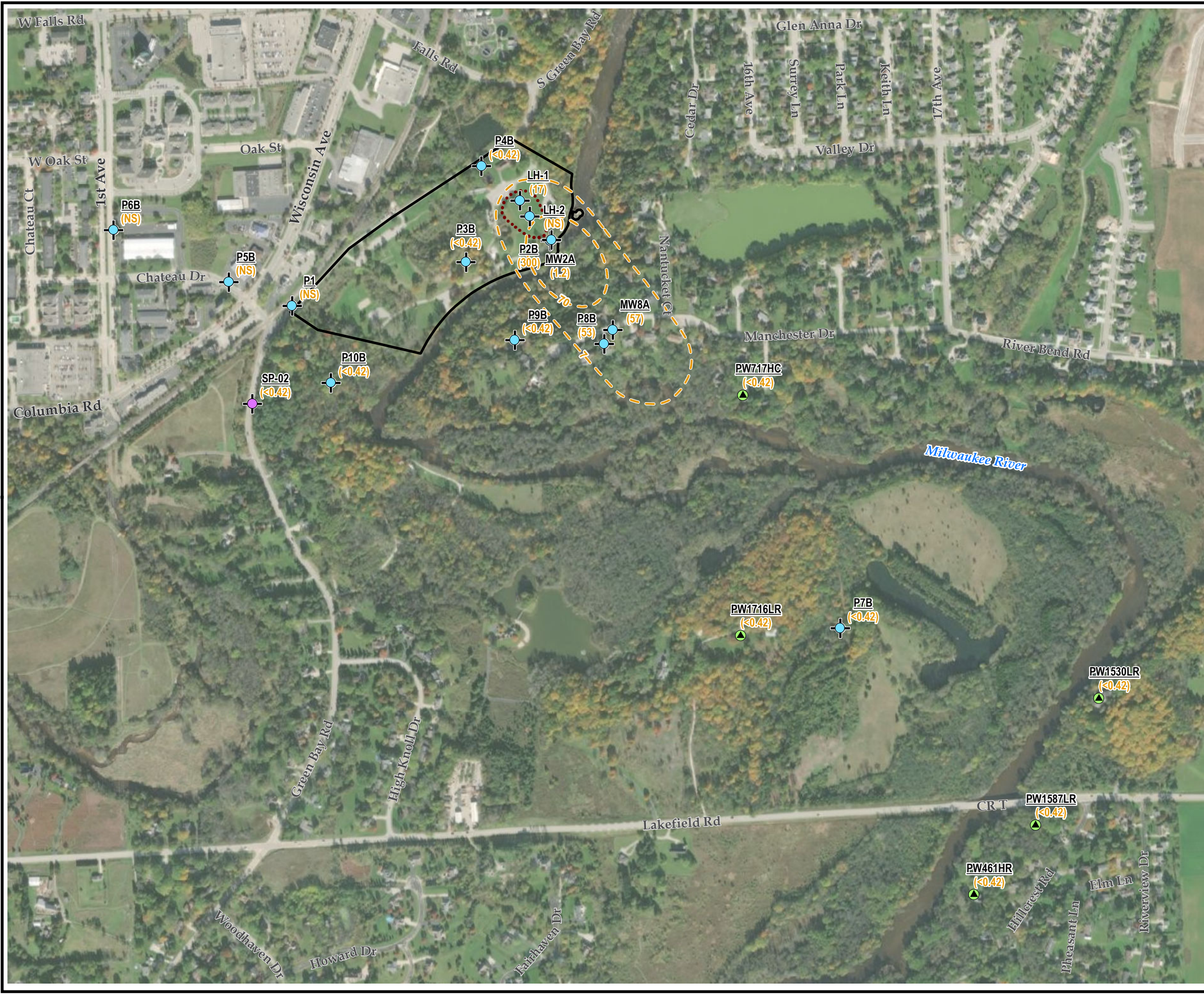
LEGEND

- MONITORING WELL LOCATION
- SHALLOW TEMPORARY WELL LOCATION
- PRIVATE WELL LOCATION
- TCE ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)
- LIMITS OF WASTE
- SITE BOUNDARY
- (1.5) TCE CONCENTRATION FROM Q1 2020 SAMPLING EVENT ($\mu\text{g/L}$)

- NOTES**
1. BASE MAP IMAGERY FROM ESRI/MAXAR, OCTOBER 2019.
 2. LIMITS OF WASTE EXTENT BASED OFF AECOM FIGURE DATED JUNE 26, 2019.
 3. SP-02 SAMPLED SEPTEMBER 29, 2020.
 4. PW1716LR UNABLE TO BE SAMPLED Q1 2020 DUE TO ACCESS ISSUES. PW1716LR RESULT FOR Q2 (JUNE 2) 2020 SHOWN.

0 600 1200 Feet
 1" = 600'
 1:7,200

| | | | |
|--------------|---------------|---|--------|
| PROJECT: | | BRRTS #02-46-549906 AND #02-46-000743 LIME KILN PARK AND WEST PLUME GRAFTON, OZAUKEE COUNTY, WISCONSIN | |
| TITLE: | | TCE ISOCONTOUR MAP | |
| DRAWN BY: | R. SUEMNICHT | PROJ. NO.: | 412091 |
| CHECKED BY: | A. ENRIGHT | FIGURE 4 | |
| APPROVED BY: | S. SELLWOOD | | |
| DATE: | FEBRUARY 2021 | | |
| | | 708 Heartland Trail, Suite 3000 Madison, WI 53717 Phone: 608.826.3600 www.trccompanies.com | |
| FILE NO.: | | 412091-004_TCE.mxd | |



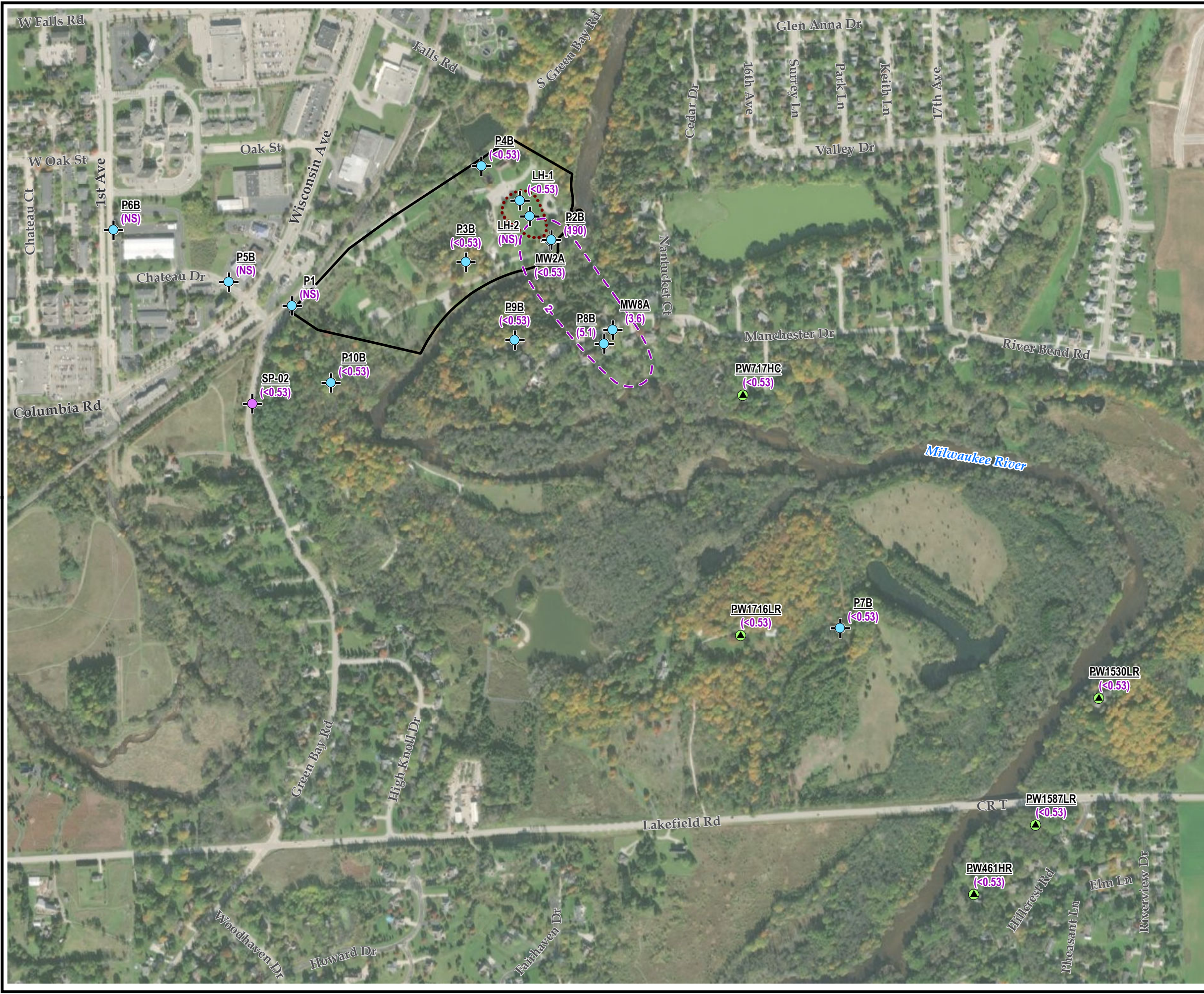
LEGEND

- MONITORING WELL LOCATION
- SHALLOW TEMPORARY WELL LOCATION
- PRIVATE WELL LOCATION
- CIS-1,2-DCE ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)
- LIMITS OF WASTE
- SITE BOUNDARY
- (1.2)** CIS-1,2-DCE CONCENTRATION FROM Q1 2020 SAMPLING EVENT (µg/L)

- ### NOTES
- BASE MAP IMAGERY FROM ESRI/MAXAR, OCTOBER 2019.
 - LIMITS OF WASTE EXTENT BASED OFF AECOM FIGURE DATED JUNE 26, 2019.
 - SP-02 SAMPLED SEPTEMBER 29, 2020.
 - PW1716LR UNABLE TO BE SAMPLED Q1 2020 DUE TO ACCESS ISSUES. PW1716LR RESULT FOR Q2 (JUNE 2) 2020 SHOWN.

1" = 600'
1:7,200

| | | | |
|--------------|---------------|---|--------|
| PROJECT: | | BRRTS #02-46-549906 AND #02-46-000743 LIME KILN PARK AND WEST PLUME GRAFTON, OZAUKEE COUNTY, WISCONSIN | |
| TITLE: | | CIS-1,2-DCE ISOCONTOUR MAP | |
| DRAWN BY: | R. SUEMNICHT | PROJ. NO.: | 412091 |
| CHECKED BY: | A. ENRIGHT | FIGURE 5 | |
| APPROVED BY: | S. SELLWOOD | | |
| DATE: | FEBRUARY 2021 | | |
| | | 708 Heartland Trail, Suite 3000 Madison, WI 53717 Phone: 608.826.3600 www.trccompanies.com | |
| FILE NO.: | | 412091-005_CIS_12_DCE.mxd | |



LEGEND

- MONITORING WELL LOCATION
- SHALLOW TEMPORARY WELL LOCATION
- PRIVATE WELL LOCATION
- VINYL CHLORIDE ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)
- LIMITS OF WASTE
- SITE BOUNDARY
- (3.6)** VINYL CHLORIDE CONCENTRATION FROM Q1 2020 SAMPLING EVENT (µG/L)

- NOTES**
1. BASE MAP IMAGERY FROM ESRI/MAXAR, OCTOBER 2019.
 2. LIMITS OF WASTE EXTENT BASED OFF AECOM FIGURE DATED JUNE 26, 2019.
 3. SP-02 SAMPLED SEPTEMBER 29, 2020.
 4. PW1716LR UNABLE TO BE SAMPLED Q1 2020 DUE TO ACCESS ISSUES. PW1716LR RESULT FOR Q2 (JUNE 2) 2020 SHOWN.

0 600 1,200 Feet
 1" = 600'
 1:7,200

| | |
|---|--|
| PROJECT: BRRTS #02-46-549906 AND #02-46-000743 LIME KILN PARK AND WEST PLUME GRAFTON, OZAUKEE COUNTY, WISCONSIN | |
| TITLE: VINYL CHLORIDE ISOCONTOUR MAP | |
| DRAWN BY: R. SUEMNICHT CHECKED BY: A. ENRIGHT APPROVED BY: S. SELLWOOD DATE: FEBRUARY 2021 | PROJ. NO.: 412091 FIGURE 6 |
| | |
| 708 Heartland Trail, Suite 3000 Madison, WI 53717 Phone: 608.826.3600 www.trccompanies.com | |
| FILE NO.: 412091-006_VC.mxd | |

Appendix A: Laboratory Reports



10-Apr-2020

Marita Stollenwerk
TRC Environmental Corporation
150 N. Patrick Boulevard
Suite 180
Brookfield, WI 53045

Data assessment (ALS Environmental, Holland, MI/Work Order: 20040234):

All holding times, field and laboratory qc, and blanks met criteria, except as specified below.

-Samples 20040234-07A and -09A: Verification of sample preservation indicated a pH >2 despite collection in HCl preserved containers. Samples were analyzed within 7 days, therefore no qualification is required.

-Samples 20040234-03A through -16A: Bromomethane-the Continuing Calibration Verification did not meet method acceptance criteria; results are to be considered estimate and are qualified as "J".

LCS/MS/MSD

-The MS recovery was below the control limit for cis-1,2-Dichloroethene. Results may have a low bias and are qualified J-

P Popp, 1/22/2021

Re: **Line Kiln Landfill**

Work Order: **20040234**

Dear Marita,

ALS Environmental received 16 samples on 03-Apr-2020 09:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 55.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

Report of Laboratory Analysis

Certificate No: MN 026-999-449

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Work Order: 20040234

Work Order Sample Summary

| <u>Lab Samp ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Tag Number</u> | <u>Collection Date</u> | <u>Date Received</u> | <u>Hold</u> |
|--------------------|-------------------------|---------------|-------------------|------------------------|----------------------|--------------------------|
| 20040234-01 | LH-1 | Water | | 4/1/2020 11:40 | 4/3/2020 09:00 | <input type="checkbox"/> |
| 20040234-02 | MW2A | Water | | 3/31/2020 10:18 | 4/3/2020 09:00 | <input type="checkbox"/> |
| 20040234-03 | P2B | Water | | 4/1/2020 15:07 | 4/3/2020 09:00 | <input type="checkbox"/> |
| 20040234-04 | P3B | Water | | 4/1/2020 16:09 | 4/3/2020 09:00 | <input type="checkbox"/> |
| 20040234-05 | P4B | Water | | 3/31/2020 12:00 | 4/3/2020 09:00 | <input type="checkbox"/> |
| 20040234-06 | P7B | Water | | 3/30/2020 08:43 | 4/3/2020 09:00 | <input type="checkbox"/> |
| 20040234-07 | MW8A | Water | | 4/2/2020 08:58 | 4/3/2020 09:00 | <input type="checkbox"/> |
| 20040234-08 | P8B | Water | | 4/2/2020 10:20 | 4/3/2020 09:00 | <input type="checkbox"/> |
| 20040234-09 | P9B | Water | | 4/2/2020 11:43 | 4/3/2020 09:00 | <input type="checkbox"/> |
| 20040234-10 | P10B | Water | | 4/1/2020 17:29 | 4/3/2020 09:00 | <input type="checkbox"/> |
| 20040234-11 | PW1587LR | Water | | 3/31/2020 16:30 | 4/3/2020 09:00 | <input type="checkbox"/> |
| 20040234-12 | PW461HR | Water | | 3/31/2020 16:10 | 4/3/2020 09:00 | <input type="checkbox"/> |
| 20040234-13 | PW1530LR | Water | | 3/31/2020 15:40 | 4/3/2020 09:00 | <input type="checkbox"/> |
| 20040234-14 | PW717HC | Water | | 3/31/2020 15:04 | 4/3/2020 09:00 | <input type="checkbox"/> |
| 20040234-15 | DUP-1 | Water | | 4/2/2020 | 4/3/2020 09:00 | <input type="checkbox"/> |
| 20040234-16 | Trip Blank | Water | | 4/2/2020 | 4/3/2020 09:00 | <input type="checkbox"/> |

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Work Order: 20040234

Case Narrative

Samples for the above noted Work Order were received on 04/03/2020. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, sample condition, preservation, and temperature compliance.

In order to ensure compliance with NR 149 criteria, please note the following report format:

- (1) The Limit of Detection (LOD) is reported as the MDL (Method Detection Limit)
- (2) The Limit of Quantitation (LOQ) is reported as the PQL (Practical Quantitation Limit)
- (3) All reported concentrations, including those for the LOD and LOQ, are adjusted for any required dilutions
- (4) All reported concentrations, including those for the LOD and LOQ, are adjusted for moisture content when samples are reported on a dry weight basis.

Samples were analyzed according to the analytical methodology previously documented in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Detail as to the associated samples can be found at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, acronyms, and units utilized in reporting.

With the following exceptions, all sample analyses achieved analytical criteria.

Volatile Organics

Batch R286222W, Method WI_VOC_8260_W, Samples 20040234-07A and -09A: Verification of sample preservation indicated a pH >2 despite collection in HCl preserved containers.

Batch R286222W, Method WI_VOC_8260_W, Sample 20040234-03A MS: The MS recovery was above the upper control limit for cis-1,2-Dichloroethene. However, the MSD recovery and the RPD between the MS and MSD are within control limits. No qualification is required.

Batch R286222W, Method WI_VOC_8260_W, Samples 20040234-03A through -16A: The Continuing Calibration Verification did not meet method acceptance criteria for the following analytes, results are to be considered estimated: Bromomethane.

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
WorkOrder: 20040234

**QUALIFIERS,
ACRONYMS, UNITS**

| <u>Qualifier</u> | <u>Description</u> |
|------------------|---|
| * | Value exceeds Regulatory Limit |
| ** | Estimated Value |
| a | Analyte is non-accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| Hr | BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated. |
| J | Analyte is present at an estimated concentration between the MDL and Report Limit |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL |
| X | Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. |

| <u>Acronym</u> | <u>Description</u> |
|----------------|-------------------------------------|
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCS D | Laboratory Control Sample Duplicate |
| LOD | Limit of Detection (see MDL) |
| LOQ | Limit of Quantitation (see PQL) |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| TDL | Target Detection Limit |
| TNTC | Too Numerous To Count |
| A | APHA Standard Methods |
| D | ASTM |
| E | EPA |
| SW | SW-846 Update III |

| <u>Units Reported</u> | <u>Description</u> |
|-----------------------|----------------------|
| µg/L | Micrograms per Liter |

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: LH-1
Collection Date: 4/1/2020 11:40 AM

Work Order: 20040234
Lab ID: 20040234-01
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|-----------|------|-----------------|--------------|-------------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: JNS | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/9/2020 15:00 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/9/2020 15:00 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/9/2020 15:00 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/9/2020 15:00 |
| 1,1-Dichloroethane | 12 | | 0.44 | 1.5 | µg/L | 1 | 4/9/2020 15:00 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 4/9/2020 15:00 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 4/9/2020 15:00 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/9/2020 15:00 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/9/2020 15:00 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 4/9/2020 15:00 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 4/9/2020 15:00 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 4/9/2020 15:00 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 4/9/2020 15:00 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 4/9/2020 15:00 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 4/9/2020 15:00 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 4/9/2020 15:00 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/9/2020 15:00 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/9/2020 15:00 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 4/9/2020 15:00 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/9/2020 15:00 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 4/9/2020 15:00 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 4/9/2020 15:00 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 4/9/2020 15:00 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 4/9/2020 15:00 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 4/9/2020 15:00 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 4/9/2020 15:00 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 4/9/2020 15:00 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 4/9/2020 15:00 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 4/9/2020 15:00 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/9/2020 15:00 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 4/9/2020 15:00 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 4/9/2020 15:00 |
| cis-1,2-Dichloroethene | 17 | | 0.42 | 1.4 | µg/L | 1 | 4/9/2020 15:00 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 4/9/2020 15:00 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 4/9/2020 15:00 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/9/2020 15:00 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/9/2020 15:00 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 4/9/2020 15:00 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: LH-1
Collection Date: 4/1/2020 11:40 AM

Work Order: 20040234
Lab ID: 20040234-01
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|---------------------------------|-------------|----------|-------------|--------------|-------------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/9/2020 15:00 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 4/9/2020 15:00 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 4/9/2020 15:00 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 4/9/2020 15:00 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 4/9/2020 15:00 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 4/9/2020 15:00 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 4/9/2020 15:00 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 4/9/2020 15:00 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 4/9/2020 15:00 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 4/9/2020 15:00 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 4/9/2020 15:00 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 4/9/2020 15:00 |
| trans-1,2-Dichloroethene | 0.54 | J | 0.48 | 1.6 | µg/L | 1 | 4/9/2020 15:00 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 4/9/2020 15:00 |
| Trichloroethene | 6.5 | | 0.43 | 1.4 | µg/L | 1 | 4/9/2020 15:00 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/9/2020 15:00 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 4/9/2020 15:00 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 4/9/2020 15:00 |
| Surr: 1,2-Dichloroethane-d4 | 102 | | | 75-120 | %REC | 1 | 4/9/2020 15:00 |
| Surr: 4-Bromofluorobenzene | 100 | | | 80-110 | %REC | 1 | 4/9/2020 15:00 |
| Surr: Dibromofluoromethane | 101 | | | 85-115 | %REC | 1 | 4/9/2020 15:00 |
| Surr: Toluene-d8 | 99.2 | | | 85-110 | %REC | 1 | 4/9/2020 15:00 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: MW2A
Collection Date: 3/31/2020 10:18 AM

Work Order: 20040234
Lab ID: 20040234-02
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|------------|----------|-----------------|--------------|-------------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: JNS | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/9/2020 15:22 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/9/2020 15:22 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/9/2020 15:22 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/9/2020 15:22 |
| 1,1-Dichloroethane | 7.2 | | 0.44 | 1.5 | µg/L | 1 | 4/9/2020 15:22 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 4/9/2020 15:22 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 4/9/2020 15:22 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/9/2020 15:22 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/9/2020 15:22 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 4/9/2020 15:22 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 4/9/2020 15:22 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 4/9/2020 15:22 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 4/9/2020 15:22 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 4/9/2020 15:22 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 4/9/2020 15:22 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 4/9/2020 15:22 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/9/2020 15:22 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/9/2020 15:22 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 4/9/2020 15:22 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/9/2020 15:22 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 4/9/2020 15:22 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 4/9/2020 15:22 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 4/9/2020 15:22 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 4/9/2020 15:22 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 4/9/2020 15:22 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 4/9/2020 15:22 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 4/9/2020 15:22 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 4/9/2020 15:22 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 4/9/2020 15:22 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/9/2020 15:22 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 4/9/2020 15:22 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 4/9/2020 15:22 |
| cis-1,2-Dichloroethene | 1.2 | J | 0.42 | 1.4 | µg/L | 1 | 4/9/2020 15:22 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 4/9/2020 15:22 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 4/9/2020 15:22 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/9/2020 15:22 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/9/2020 15:22 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 4/9/2020 15:22 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: MW2A
Collection Date: 3/31/2020 10:18 AM

Work Order: 20040234
Lab ID: 20040234-02
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|------------|------|-------------|--------------|-------------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/9/2020 15:22 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 4/9/2020 15:22 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 4/9/2020 15:22 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 4/9/2020 15:22 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 4/9/2020 15:22 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 4/9/2020 15:22 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 4/9/2020 15:22 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 4/9/2020 15:22 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 4/9/2020 15:22 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 4/9/2020 15:22 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 4/9/2020 15:22 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 4/9/2020 15:22 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 4/9/2020 15:22 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 4/9/2020 15:22 |
| Trichloroethene | 3.4 | | 0.43 | 1.4 | µg/L | 1 | 4/9/2020 15:22 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/9/2020 15:22 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 4/9/2020 15:22 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 4/9/2020 15:22 |
| Surr: 1,2-Dichloroethane-d4 | 101 | | | 75-120 | %REC | 1 | 4/9/2020 15:22 |
| Surr: 4-Bromofluorobenzene | 100 | | | 80-110 | %REC | 1 | 4/9/2020 15:22 |
| Surr: Dibromofluoromethane | 98.4 | | | 85-115 | %REC | 1 | 4/9/2020 15:22 |
| Surr: Toluene-d8 | 99.4 | | | 85-110 | %REC | 1 | 4/9/2020 15:22 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: P2B
Collection Date: 4/1/2020 03:07 PM

Work Order: 20040234
Lab ID: 20040234-03
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|------------|------|-----------------|--------------|-------------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: SJB | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 23:31 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 23:31 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 23:31 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 23:31 |
| 1,1-Dichloroethane | 7.6 | | 0.44 | 1.5 | µg/L | 1 | 4/8/2020 23:31 |
| 1,1-Dichloroethene | 1.4 | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 23:31 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 23:31 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 23:31 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 23:31 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 23:31 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 4/8/2020 23:31 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 4/8/2020 23:31 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 4/8/2020 23:31 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 23:31 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 4/8/2020 23:31 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 23:31 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 23:31 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 23:31 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 23:31 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 23:31 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 4/8/2020 23:31 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 23:31 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 23:31 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 23:31 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 4/8/2020 23:31 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 4/8/2020 23:31 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 23:31 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 23:31 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 23:31 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 23:31 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 23:31 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 4/8/2020 23:31 |
| cis-1,2-Dichloroethene | 300 | | 4.2 | 14 | µg/L | 10 | 4/8/2020 18:18 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 4/8/2020 23:31 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 4/8/2020 23:31 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 23:31 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 23:31 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 4/8/2020 23:31 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: P2B
Collection Date: 4/1/2020 03:07 PM

Work Order: 20040234
Lab ID: 20040234-03
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|---------------------------------|------------|------|-------------|--------------|-------------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 23:31 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 4/8/2020 23:31 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 23:31 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 23:31 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 23:31 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 4/8/2020 23:31 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 4/8/2020 23:31 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 4/8/2020 23:31 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 23:31 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 4/8/2020 23:31 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 4/8/2020 23:31 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 23:31 |
| trans-1,2-Dichloroethene | 4.4 | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 23:31 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 4/8/2020 23:31 |
| Trichloroethene | 96 | | 4.3 | 14 | µg/L | 10 | 4/8/2020 18:18 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 23:31 |
| Vinyl chloride | 190 | | 5.3 | 18 | µg/L | 10 | 4/8/2020 18:18 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 4/8/2020 23:31 |
| Surr: 1,2-Dichloroethane-d4 | 98.8 | | | 75-120 | %REC | 10 | 4/8/2020 18:18 |
| Surr: 1,2-Dichloroethane-d4 | 101 | | | 75-120 | %REC | 1 | 4/8/2020 23:31 |
| Surr: 4-Bromofluorobenzene | 95.3 | | | 80-110 | %REC | 10 | 4/8/2020 18:18 |
| Surr: 4-Bromofluorobenzene | 95.2 | | | 80-110 | %REC | 1 | 4/8/2020 23:31 |
| Surr: Dibromofluoromethane | 101 | | | 85-115 | %REC | 10 | 4/8/2020 18:18 |
| Surr: Dibromofluoromethane | 103 | | | 85-115 | %REC | 1 | 4/8/2020 23:31 |
| Surr: Toluene-d8 | 100 | | | 85-110 | %REC | 10 | 4/8/2020 18:18 |
| Surr: Toluene-d8 | 99.2 | | | 85-110 | %REC | 1 | 4/8/2020 23:31 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: P3B
Collection Date: 4/1/2020 04:09 PM

Work Order: 20040234
Lab ID: 20040234-04
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|-------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | | Analyst: SJB |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 19:06 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 19:06 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 19:06 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 19:06 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 4/8/2020 19:06 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 19:06 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 19:06 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 19:06 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 19:06 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 19:06 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 4/8/2020 19:06 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 4/8/2020 19:06 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 4/8/2020 19:06 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 19:06 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 4/8/2020 19:06 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 19:06 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 19:06 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 19:06 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 19:06 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 19:06 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 4/8/2020 19:06 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 19:06 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 19:06 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 19:06 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 4/8/2020 19:06 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 4/8/2020 19:06 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 19:06 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 19:06 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 19:06 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 19:06 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 19:06 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 4/8/2020 19:06 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 19:06 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 4/8/2020 19:06 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 4/8/2020 19:06 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 19:06 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 19:06 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 4/8/2020 19:06 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: P3B
Collection Date: 4/1/2020 04:09 PM

Work Order: 20040234
Lab ID: 20040234-04
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|------------|----------|-------------|--------------|-------------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 19:06 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 4/8/2020 19:06 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 19:06 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 19:06 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 19:06 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 4/8/2020 19:06 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 4/8/2020 19:06 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 4/8/2020 19:06 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 19:06 |
| Tetrachloroethene | 1.2 | J | 0.39 | 1.3 | µg/L | 1 | 4/8/2020 19:06 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 4/8/2020 19:06 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 19:06 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 19:06 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 4/8/2020 19:06 |
| Trichloroethene | 18 | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 19:06 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 19:06 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 4/8/2020 19:06 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 4/8/2020 19:06 |
| Surr: 1,2-Dichloroethane-d4 | 99.9 | | | 75-120 | %REC | 1 | 4/8/2020 19:06 |
| Surr: 4-Bromofluorobenzene | 92.6 | | | 80-110 | %REC | 1 | 4/8/2020 19:06 |
| Surr: Dibromofluoromethane | 100 | | | 85-115 | %REC | 1 | 4/8/2020 19:06 |
| Surr: Toluene-d8 | 95.6 | | | 85-110 | %REC | 1 | 4/8/2020 19:06 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: P4B
Collection Date: 3/31/2020 12:00 PM

Work Order: 20040234
Lab ID: 20040234-05
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|-------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | | Analyst: SJB |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 19:30 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 19:30 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 19:30 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 19:30 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 4/8/2020 19:30 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 19:30 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 19:30 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 19:30 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 19:30 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 19:30 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 4/8/2020 19:30 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 4/8/2020 19:30 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 4/8/2020 19:30 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 19:30 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 4/8/2020 19:30 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 19:30 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 19:30 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 19:30 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 19:30 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 19:30 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 4/8/2020 19:30 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 19:30 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 19:30 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 19:30 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 4/8/2020 19:30 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 4/8/2020 19:30 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 19:30 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 19:30 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 19:30 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 19:30 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 19:30 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 4/8/2020 19:30 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 19:30 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 4/8/2020 19:30 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 4/8/2020 19:30 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 19:30 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 19:30 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 4/8/2020 19:30 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: P4B
Collection Date: 3/31/2020 12:00 PM

Work Order: 20040234
Lab ID: 20040234-05
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|--------|------|------|--------------|-------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 19:30 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 4/8/2020 19:30 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 19:30 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 19:30 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 19:30 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 4/8/2020 19:30 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 4/8/2020 19:30 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 4/8/2020 19:30 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 19:30 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 4/8/2020 19:30 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 4/8/2020 19:30 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 19:30 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 19:30 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 4/8/2020 19:30 |
| Trichloroethene | U | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 19:30 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 19:30 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 4/8/2020 19:30 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 4/8/2020 19:30 |
| Surr: 1,2-Dichloroethane-d4 | 102 | | | 75-120 | %REC | 1 | 4/8/2020 19:30 |
| Surr: 4-Bromofluorobenzene | 93.6 | | | 80-110 | %REC | 1 | 4/8/2020 19:30 |
| Surr: Dibromofluoromethane | 101 | | | 85-115 | %REC | 1 | 4/8/2020 19:30 |
| Surr: Toluene-d8 | 98.8 | | | 85-110 | %REC | 1 | 4/8/2020 19:30 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
 Project: Line Kiln Landfill
 Sample ID: P7B
 Collection Date: 3/30/2020 08:43 AM

Work Order: 20040234
 Lab ID: 20040234-06
 Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|-------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: SJB | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 19:54 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 19:54 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 19:54 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 19:54 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 4/8/2020 19:54 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 19:54 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 19:54 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 19:54 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 19:54 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 19:54 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 4/8/2020 19:54 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 4/8/2020 19:54 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 4/8/2020 19:54 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 19:54 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 4/8/2020 19:54 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 19:54 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 19:54 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 19:54 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 19:54 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 19:54 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 4/8/2020 19:54 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 19:54 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 19:54 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 19:54 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 4/8/2020 19:54 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 4/8/2020 19:54 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 19:54 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 19:54 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 19:54 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 19:54 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 19:54 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 4/8/2020 19:54 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 19:54 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 4/8/2020 19:54 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 4/8/2020 19:54 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 19:54 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 19:54 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 4/8/2020 19:54 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: P7B
Collection Date: 3/30/2020 08:43 AM

Work Order: 20040234
Lab ID: 20040234-06
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|--------|------|------|--------------|-------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 19:54 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 4/8/2020 19:54 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 19:54 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 19:54 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 19:54 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 4/8/2020 19:54 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 4/8/2020 19:54 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 4/8/2020 19:54 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 19:54 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 4/8/2020 19:54 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 4/8/2020 19:54 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 19:54 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 19:54 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 4/8/2020 19:54 |
| Trichloroethene | U | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 19:54 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 19:54 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 4/8/2020 19:54 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 4/8/2020 19:54 |
| Surr: 1,2-Dichloroethane-d4 | 101 | | | 75-120 | %REC | 1 | 4/8/2020 19:54 |
| Surr: 4-Bromofluorobenzene | 96.0 | | | 80-110 | %REC | 1 | 4/8/2020 19:54 |
| Surr: Dibromofluoromethane | 102 | | | 85-115 | %REC | 1 | 4/8/2020 19:54 |
| Surr: Toluene-d8 | 97.8 | | | 85-110 | %REC | 1 | 4/8/2020 19:54 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: TRC Environmental Corporation
 Project: Line Kiln Landfill
 Sample ID: MW8A
 Collection Date: 4/2/2020 08:58 AM

Work Order: 20040234
 Lab ID: 20040234-07
 Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|-------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: SJB | |
| 1,1,1-Trichloroethane | 0.72 | J | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 20:18 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 20:18 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 20:18 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 20:18 |
| 1,1-Dichloroethane | 8.2 | | 0.44 | 1.5 | µg/L | 1 | 4/8/2020 20:18 |
| 1,1-Dichloroethene | 0.69 | J | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 20:18 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 20:18 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 20:18 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 20:18 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 20:18 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 4/8/2020 20:18 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 4/8/2020 20:18 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 4/8/2020 20:18 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 20:18 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 4/8/2020 20:18 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 20:18 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 20:18 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 20:18 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 20:18 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 20:18 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 4/8/2020 20:18 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 20:18 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 20:18 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 20:18 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 4/8/2020 20:18 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 4/8/2020 20:18 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 20:18 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 20:18 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 20:18 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 20:18 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 20:18 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 4/8/2020 20:18 |
| cis-1,2-Dichloroethene | 57 | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 20:18 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 4/8/2020 20:18 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 4/8/2020 20:18 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 20:18 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 20:18 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 4/8/2020 20:18 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
 Project: Line Kiln Landfill
 Sample ID: MW8A
 Collection Date: 4/2/2020 08:58 AM

Work Order: 20040234
 Lab ID: 20040234-07
 Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|------------|------|-------------|--------------|-------------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 20:18 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 4/8/2020 20:18 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 20:18 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 20:18 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 20:18 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 4/8/2020 20:18 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 4/8/2020 20:18 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 4/8/2020 20:18 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 20:18 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 4/8/2020 20:18 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 4/8/2020 20:18 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 20:18 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 20:18 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 4/8/2020 20:18 |
| Trichloroethene | 8.7 | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 20:18 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 20:18 |
| Vinyl chloride | 3.6 | | 0.53 | 1.8 | µg/L | 1 | 4/8/2020 20:18 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 4/8/2020 20:18 |
| Surr: 1,2-Dichloroethane-d4 | 101 | | | 75-120 | %REC | 1 | 4/8/2020 20:18 |
| Surr: 4-Bromofluorobenzene | 94.8 | | | 80-110 | %REC | 1 | 4/8/2020 20:18 |
| Surr: Dibromofluoromethane | 102 | | | 85-115 | %REC | 1 | 4/8/2020 20:18 |
| Surr: Toluene-d8 | 98.1 | | | 85-110 | %REC | 1 | 4/8/2020 20:18 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: P8B
Collection Date: 4/2/2020 10:20 AM

Work Order: 20040234
Lab ID: 20040234-08
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|-------|---------------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: SJB | |
| 1,1,1-Trichloroethane | 1.0 | J | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 20:42 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 20:42 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 20:42 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 20:42 |
| 1,1-Dichloroethane | 6.1 | | 0.44 | 1.5 | µg/L | 1 | 4/8/2020 20:42 |
| 1,1-Dichloroethene | 1.4 | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 20:42 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 20:42 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 20:42 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 20:42 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 20:42 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 4/8/2020 20:42 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 4/8/2020 20:42 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 4/8/2020 20:42 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 20:42 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 4/8/2020 20:42 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 20:42 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 20:42 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 20:42 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 20:42 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 20:42 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 4/8/2020 20:42 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 20:42 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 20:42 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 20:42 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 4/8/2020 20:42 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 4/8/2020 20:42 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 20:42 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 20:42 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 20:42 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 20:42 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 20:42 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 4/8/2020 20:42 |
| cis-1,2-Dichloroethene | 53 | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 20:42 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 4/8/2020 20:42 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 4/8/2020 20:42 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 20:42 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 20:42 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 4/8/2020 20:42 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: P8B
Collection Date: 4/2/2020 10:20 AM

Work Order: 20040234
Lab ID: 20040234-08
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|---------------------------------|-------------|----------|-------------|--------------|-------------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 20:42 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 4/8/2020 20:42 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 20:42 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 20:42 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 20:42 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 4/8/2020 20:42 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 4/8/2020 20:42 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 4/8/2020 20:42 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 20:42 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 4/8/2020 20:42 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 4/8/2020 20:42 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 20:42 |
| trans-1,2-Dichloroethene | 0.53 | J | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 20:42 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 4/8/2020 20:42 |
| Trichloroethene | 90 | | 0.86 | 2.9 | µg/L | 2 | 4/9/2020 14:37 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 20:42 |
| Vinyl chloride | 5.1 | | 0.53 | 1.8 | µg/L | 1 | 4/8/2020 20:42 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 4/8/2020 20:42 |
| Surr: 1,2-Dichloroethane-d4 | 102 | | | 75-120 | %REC | 1 | 4/8/2020 20:42 |
| Surr: 1,2-Dichloroethane-d4 | 102 | | | 75-120 | %REC | 2 | 4/9/2020 14:37 |
| Surr: 4-Bromofluorobenzene | 93.0 | | | 80-110 | %REC | 1 | 4/8/2020 20:42 |
| Surr: 4-Bromofluorobenzene | 100 | | | 80-110 | %REC | 2 | 4/9/2020 14:37 |
| Surr: Dibromofluoromethane | 106 | | | 85-115 | %REC | 1 | 4/8/2020 20:42 |
| Surr: Dibromofluoromethane | 100 | | | 85-115 | %REC | 2 | 4/9/2020 14:37 |
| Surr: Toluene-d8 | 97.6 | | | 85-110 | %REC | 1 | 4/8/2020 20:42 |
| Surr: Toluene-d8 | 99.9 | | | 85-110 | %REC | 2 | 4/9/2020 14:37 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: P9B
Collection Date: 4/2/2020 11:43 AM

Work Order: 20040234
Lab ID: 20040234-09
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|---------------------------------------|-----------|------|-----------------|--------------|-------------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: SJB | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 21:06 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 21:06 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 21:06 |
| 1,1,2-Trichlorotrifluoroethane | 51 | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 21:06 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 4/8/2020 21:06 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 21:06 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 21:06 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 21:06 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 21:06 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 21:06 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 4/8/2020 21:06 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 4/8/2020 21:06 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 4/8/2020 21:06 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 21:06 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 4/8/2020 21:06 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 21:06 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 21:06 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 21:06 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 21:06 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 21:06 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 4/8/2020 21:06 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 21:06 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 21:06 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 21:06 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 4/8/2020 21:06 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 4/8/2020 21:06 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 21:06 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 21:06 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 21:06 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 21:06 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 21:06 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 4/8/2020 21:06 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 21:06 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 4/8/2020 21:06 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 4/8/2020 21:06 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 21:06 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 21:06 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 4/8/2020 21:06 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: P9B
Collection Date: 4/2/2020 11:43 AM

Work Order: 20040234
Lab ID: 20040234-09
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|------------|------|-------------|--------------|-------------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 21:06 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 4/8/2020 21:06 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 21:06 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 21:06 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 21:06 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 4/8/2020 21:06 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 4/8/2020 21:06 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 4/8/2020 21:06 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 21:06 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 4/8/2020 21:06 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 4/8/2020 21:06 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 21:06 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 21:06 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 4/8/2020 21:06 |
| Trichloroethene | 7.6 | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 21:06 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 21:06 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 4/8/2020 21:06 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 4/8/2020 21:06 |
| Surr: 1,2-Dichloroethane-d4 | 100 | | | 75-120 | %REC | 1 | 4/8/2020 21:06 |
| Surr: 4-Bromofluorobenzene | 94.2 | | | 80-110 | %REC | 1 | 4/8/2020 21:06 |
| Surr: Dibromofluoromethane | 102 | | | 85-115 | %REC | 1 | 4/8/2020 21:06 |
| Surr: Toluene-d8 | 97.8 | | | 85-110 | %REC | 1 | 4/8/2020 21:06 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: P10B
Collection Date: 4/1/2020 05:29 PM

Work Order: 20040234
Lab ID: 20040234-10
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|---------------------------------------|-----------|------|-----------------|--------------|-------------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: SJB | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 21:31 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 21:31 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 21:31 |
| 1,1,2-Trichlorotrifluoroethane | 34 | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 21:31 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 4/8/2020 21:31 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 21:31 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 21:31 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 21:31 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 21:31 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 21:31 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 4/8/2020 21:31 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 4/8/2020 21:31 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 4/8/2020 21:31 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 21:31 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 4/8/2020 21:31 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 21:31 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 21:31 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 21:31 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 21:31 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 21:31 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 4/8/2020 21:31 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 21:31 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 21:31 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 21:31 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 4/8/2020 21:31 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 4/8/2020 21:31 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 21:31 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 21:31 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 21:31 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 21:31 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 21:31 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 4/8/2020 21:31 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 21:31 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 4/8/2020 21:31 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 4/8/2020 21:31 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 21:31 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 21:31 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 4/8/2020 21:31 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
 Project: Line Kiln Landfill
 Sample ID: P10B
 Collection Date: 4/1/2020 05:29 PM

Work Order: 20040234
 Lab ID: 20040234-10
 Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|------------|------|-------------|--------------|-------------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 21:31 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 4/8/2020 21:31 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 21:31 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 21:31 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 21:31 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 4/8/2020 21:31 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 4/8/2020 21:31 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 4/8/2020 21:31 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 21:31 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 4/8/2020 21:31 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 4/8/2020 21:31 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 21:31 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 21:31 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 4/8/2020 21:31 |
| Trichloroethene | 1.5 | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 21:31 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 21:31 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 4/8/2020 21:31 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 4/8/2020 21:31 |
| Surr: 1,2-Dichloroethane-d4 | 104 | | | 75-120 | %REC | 1 | 4/8/2020 21:31 |
| Surr: 4-Bromofluorobenzene | 93.2 | | | 80-110 | %REC | 1 | 4/8/2020 21:31 |
| Surr: Dibromofluoromethane | 103 | | | 85-115 | %REC | 1 | 4/8/2020 21:31 |
| Surr: Toluene-d8 | 101 | | | 85-110 | %REC | 1 | 4/8/2020 21:31 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: PW1587LR
Collection Date: 3/31/2020 04:30 PM

Work Order: 20040234
Lab ID: 20040234-11
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|--------------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | Analyst: SJB | | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 21:55 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 21:55 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 21:55 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 21:55 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 4/8/2020 21:55 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 21:55 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 21:55 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 21:55 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 21:55 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 21:55 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 4/8/2020 21:55 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 4/8/2020 21:55 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 4/8/2020 21:55 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 21:55 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 4/8/2020 21:55 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 21:55 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 21:55 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 21:55 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 21:55 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 21:55 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 4/8/2020 21:55 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 21:55 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 21:55 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 21:55 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 4/8/2020 21:55 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 4/8/2020 21:55 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 21:55 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 21:55 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 21:55 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 21:55 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 21:55 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 4/8/2020 21:55 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 21:55 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 4/8/2020 21:55 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 4/8/2020 21:55 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 21:55 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 21:55 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 4/8/2020 21:55 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: PW1587LR
Collection Date: 3/31/2020 04:30 PM

Work Order: 20040234
Lab ID: 20040234-11
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|--------|------|------|--------------|-------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 21:55 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 4/8/2020 21:55 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 21:55 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 21:55 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 21:55 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 4/8/2020 21:55 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 4/8/2020 21:55 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 4/8/2020 21:55 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 21:55 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 4/8/2020 21:55 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 4/8/2020 21:55 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 21:55 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 21:55 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 4/8/2020 21:55 |
| Trichloroethene | U | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 21:55 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 21:55 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 4/8/2020 21:55 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 4/8/2020 21:55 |
| Surr: 1,2-Dichloroethane-d4 | 103 | | | 75-120 | %REC | 1 | 4/8/2020 21:55 |
| Surr: 4-Bromofluorobenzene | 94.2 | | | 80-110 | %REC | 1 | 4/8/2020 21:55 |
| Surr: Dibromofluoromethane | 103 | | | 85-115 | %REC | 1 | 4/8/2020 21:55 |
| Surr: Toluene-d8 | 100 | | | 85-110 | %REC | 1 | 4/8/2020 21:55 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: PW461HR
Collection Date: 3/31/2020 04:10 PM

Work Order: 20040234
Lab ID: 20040234-12
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|--------------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | Analyst: SJB | | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 22:19 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 22:19 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 22:19 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 22:19 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 4/8/2020 22:19 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 22:19 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 22:19 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 22:19 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 22:19 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 22:19 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 4/8/2020 22:19 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 4/8/2020 22:19 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 4/8/2020 22:19 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 22:19 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 4/8/2020 22:19 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 22:19 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 22:19 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 22:19 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 22:19 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 22:19 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 4/8/2020 22:19 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 22:19 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 22:19 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 22:19 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 4/8/2020 22:19 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 4/8/2020 22:19 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 22:19 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 22:19 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 22:19 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 22:19 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 22:19 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 4/8/2020 22:19 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 22:19 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 4/8/2020 22:19 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 4/8/2020 22:19 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 22:19 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 22:19 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 4/8/2020 22:19 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: PW461HR
Collection Date: 3/31/2020 04:10 PM

Work Order: 20040234
Lab ID: 20040234-12
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|--------|------|------|--------------|-------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 22:19 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 4/8/2020 22:19 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 22:19 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 22:19 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 22:19 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 4/8/2020 22:19 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 4/8/2020 22:19 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 4/8/2020 22:19 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 22:19 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 4/8/2020 22:19 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 4/8/2020 22:19 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 22:19 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 22:19 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 4/8/2020 22:19 |
| Trichloroethene | U | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 22:19 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 22:19 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 4/8/2020 22:19 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 4/8/2020 22:19 |
| Surr: 1,2-Dichloroethane-d4 | 104 | | | 75-120 | %REC | 1 | 4/8/2020 22:19 |
| Surr: 4-Bromofluorobenzene | 93.6 | | | 80-110 | %REC | 1 | 4/8/2020 22:19 |
| Surr: Dibromofluoromethane | 101 | | | 85-115 | %REC | 1 | 4/8/2020 22:19 |
| Surr: Toluene-d8 | 100 | | | 85-110 | %REC | 1 | 4/8/2020 22:19 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: PW1530LR
Collection Date: 3/31/2020 03:40 PM

Work Order: 20040234
Lab ID: 20040234-13
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|--------------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | Analyst: SJB | | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 22:43 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 22:43 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 22:43 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 22:43 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 4/8/2020 22:43 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 22:43 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 22:43 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 22:43 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 22:43 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 22:43 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 4/8/2020 22:43 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 4/8/2020 22:43 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 4/8/2020 22:43 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 22:43 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 4/8/2020 22:43 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 22:43 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 22:43 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 22:43 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 22:43 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 22:43 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 4/8/2020 22:43 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 22:43 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 22:43 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 22:43 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 4/8/2020 22:43 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 4/8/2020 22:43 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 22:43 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 22:43 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 22:43 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 22:43 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 22:43 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 4/8/2020 22:43 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 22:43 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 4/8/2020 22:43 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 4/8/2020 22:43 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 22:43 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 22:43 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 4/8/2020 22:43 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: PW1530LR
Collection Date: 3/31/2020 03:40 PM

Work Order: 20040234
Lab ID: 20040234-13
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|--------|------|------|--------------|-------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 22:43 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 4/8/2020 22:43 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 22:43 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 22:43 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 22:43 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 4/8/2020 22:43 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 4/8/2020 22:43 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 4/8/2020 22:43 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 22:43 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 4/8/2020 22:43 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 4/8/2020 22:43 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 22:43 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 22:43 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 4/8/2020 22:43 |
| Trichloroethene | U | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 22:43 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 22:43 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 4/8/2020 22:43 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 4/8/2020 22:43 |
| Surr: 1,2-Dichloroethane-d4 | 102 | | | 75-120 | %REC | 1 | 4/8/2020 22:43 |
| Surr: 4-Bromofluorobenzene | 92.0 | | | 80-110 | %REC | 1 | 4/8/2020 22:43 |
| Surr: Dibromofluoromethane | 102 | | | 85-115 | %REC | 1 | 4/8/2020 22:43 |
| Surr: Toluene-d8 | 99.0 | | | 85-110 | %REC | 1 | 4/8/2020 22:43 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: PW717HC
Collection Date: 3/31/2020 03:04 PM

Work Order: 20040234
Lab ID: 20040234-14
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|--------------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | Analyst: SJB | | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 23:07 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 23:07 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 23:07 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 23:07 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 4/8/2020 23:07 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 23:07 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 23:07 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 23:07 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 23:07 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 23:07 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 4/8/2020 23:07 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 4/8/2020 23:07 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 4/8/2020 23:07 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 23:07 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 4/8/2020 23:07 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 23:07 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 23:07 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 23:07 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 23:07 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 23:07 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 4/8/2020 23:07 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 23:07 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 23:07 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 23:07 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 4/8/2020 23:07 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 4/8/2020 23:07 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 23:07 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 23:07 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 23:07 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 23:07 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 23:07 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 4/8/2020 23:07 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 23:07 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 4/8/2020 23:07 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 4/8/2020 23:07 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 23:07 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 23:07 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 4/8/2020 23:07 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: PW717HC
Collection Date: 3/31/2020 03:04 PM

Work Order: 20040234
Lab ID: 20040234-14
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|--------|------|------|--------------|-------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 23:07 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 4/8/2020 23:07 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 23:07 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 23:07 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 23:07 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 4/8/2020 23:07 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 4/8/2020 23:07 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 4/8/2020 23:07 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 23:07 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 4/8/2020 23:07 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 4/8/2020 23:07 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 23:07 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 23:07 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 4/8/2020 23:07 |
| Trichloroethene | U | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 23:07 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 23:07 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 4/8/2020 23:07 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 4/8/2020 23:07 |
| Surr: 1,2-Dichloroethane-d4 | 107 | | | 75-120 | %REC | 1 | 4/8/2020 23:07 |
| Surr: 4-Bromofluorobenzene | 94.9 | | | 80-110 | %REC | 1 | 4/8/2020 23:07 |
| Surr: Dibromofluoromethane | 101 | | | 85-115 | %REC | 1 | 4/8/2020 23:07 |
| Surr: Toluene-d8 | 101 | | | 85-110 | %REC | 1 | 4/8/2020 23:07 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: DUP-1
Collection Date: 4/2/2020

Work Order: 20040234
Lab ID: 20040234-15
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|-------|---------------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: SJB | |
| 1,1,1-Trichloroethane | 0.92 | J | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 23:55 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 23:55 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 23:55 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 23:55 |
| 1,1-Dichloroethane | 6.0 | | 0.44 | 1.5 | µg/L | 1 | 4/8/2020 23:55 |
| 1,1-Dichloroethene | 1.4 | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 23:55 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 23:55 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 23:55 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 23:55 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 23:55 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 4/8/2020 23:55 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 4/8/2020 23:55 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 4/8/2020 23:55 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 23:55 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 4/8/2020 23:55 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 23:55 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 23:55 |
| 2-Butanone | 0.52 | J | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 23:55 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 23:55 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 23:55 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 4/8/2020 23:55 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 23:55 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 23:55 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 23:55 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 4/8/2020 23:55 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 4/8/2020 23:55 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 23:55 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 23:55 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 23:55 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 23:55 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 23:55 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 4/8/2020 23:55 |
| cis-1,2-Dichloroethene | 52 | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 23:55 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 4/8/2020 23:55 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 4/8/2020 23:55 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 23:55 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 23:55 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 4/8/2020 23:55 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: DUP-1
Collection Date: 4/2/2020

Work Order: 20040234
Lab ID: 20040234-15
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|---------------------------------|-------------|------|-------------|--------------|-------------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 23:55 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 4/8/2020 23:55 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 23:55 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 23:55 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 23:55 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 4/8/2020 23:55 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 4/8/2020 23:55 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 4/8/2020 23:55 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 23:55 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 4/8/2020 23:55 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 4/8/2020 23:55 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 23:55 |
| trans-1,2-Dichloroethene | 0.48 | J | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 23:55 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 4/8/2020 23:55 |
| Trichloroethene | 98 | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 23:55 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 23:55 |
| Vinyl chloride | 5.0 | | 0.53 | 1.8 | µg/L | 1 | 4/8/2020 23:55 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 4/8/2020 23:55 |
| Surr: 1,2-Dichloroethane-d4 | 101 | | | 75-120 | %REC | 1 | 4/8/2020 23:55 |
| Surr: 4-Bromofluorobenzene | 94.9 | | | 80-110 | %REC | 1 | 4/8/2020 23:55 |
| Surr: Dibromofluoromethane | 100 | | | 85-115 | %REC | 1 | 4/8/2020 23:55 |
| Surr: Toluene-d8 | 99.5 | | | 85-110 | %REC | 1 | 4/8/2020 23:55 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: Trip Blank
Collection Date: 4/2/2020

Work Order: 20040234
Lab ID: 20040234-16
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|-------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: SJB | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 17:54 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 17:54 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 17:54 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 17:54 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 4/8/2020 17:54 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 17:54 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 17:54 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 17:54 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 17:54 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 17:54 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 4/8/2020 17:54 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 4/8/2020 17:54 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 4/8/2020 17:54 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 17:54 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 4/8/2020 17:54 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 17:54 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 17:54 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 17:54 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 17:54 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 17:54 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 4/8/2020 17:54 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 17:54 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 17:54 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 17:54 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 4/8/2020 17:54 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 4/8/2020 17:54 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 4/8/2020 17:54 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 4/8/2020 17:54 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 17:54 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 17:54 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 4/8/2020 17:54 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 4/8/2020 17:54 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 4/8/2020 17:54 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 4/8/2020 17:54 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 4/8/2020 17:54 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 4/8/2020 17:54 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 4/8/2020 17:54 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 4/8/2020 17:54 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Apr-20

Client: TRC Environmental Corporation
Project: Line Kiln Landfill
Sample ID: Trip Blank
Collection Date: 4/2/2020

Work Order: 20040234
Lab ID: 20040234-16
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|--------|------|------|--------------|-------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 17:54 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 4/8/2020 17:54 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 4/8/2020 17:54 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 17:54 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 4/8/2020 17:54 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 4/8/2020 17:54 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 4/8/2020 17:54 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 4/8/2020 17:54 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 4/8/2020 17:54 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 4/8/2020 17:54 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 4/8/2020 17:54 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 4/8/2020 17:54 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 4/8/2020 17:54 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 4/8/2020 17:54 |
| Trichloroethene | U | | 0.43 | 1.4 | µg/L | 1 | 4/8/2020 17:54 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 4/8/2020 17:54 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 4/8/2020 17:54 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 4/8/2020 17:54 |
| Surr: 1,2-Dichloroethane-d4 | 101 | | | 75-120 | %REC | 1 | 4/8/2020 17:54 |
| Surr: 4-Bromofluorobenzene | 95.5 | | | 80-110 | %REC | 1 | 4/8/2020 17:54 |
| Surr: Dibromofluoromethane | 103 | | | 85-115 | %REC | 1 | 4/8/2020 17:54 |
| Surr: Toluene-d8 | 99.4 | | | 85-110 | %REC | 1 | 4/8/2020 17:54 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: TRC Environmental Corporation

QC BATCH REPORT

Work Order: 20040234

Project: Line Kiln Landfill

Batch ID: **R286222W**

Instrument ID **VMS6**

Method: **SW8260C**

| MBLK | | Sample ID: VBLKW1-200408-R286222W | | | Units: µg/L | | Analysis Date: 4/8/2020 04:42 PM | | | |
|--------------------------------|--------|--|---------|---------------|-----------------------|---------------|---|------|--------------|------|
| Client ID: | | Run ID: VMS6_200408A | | | SeqNo: 6346431 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | U | 1.5 | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | U | 1.3 | | | | | | | | |
| 1,1,2-Trichloroethane | U | 1.5 | | | | | | | | |
| 1,1,2-Trichlorotrifluoroethane | U | 1.7 | | | | | | | | |
| 1,1-Dichloroethane | U | 1.5 | | | | | | | | |
| 1,1-Dichloroethene | U | 1.4 | | | | | | | | |
| 1,2,3-Trichlorobenzene | U | 1.4 | | | | | | | | |
| 1,2,4-Trichlorobenzene | U | 1.5 | | | | | | | | |
| 1,2,4-Trimethylbenzene | U | 1.5 | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | U | 1.4 | | | | | | | | |
| 1,2-Dibromoethane | U | 1.4 | | | | | | | | |
| 1,2-Dichlorobenzene | U | 1.1 | | | | | | | | |
| 1,2-Dichloroethane | U | 1.4 | | | | | | | | |
| 1,2-Dichloropropane | U | 1.6 | | | | | | | | |
| 1,3,5-Trimethylbenzene | U | 2.2 | | | | | | | | |
| 1,3-Dichlorobenzene | U | 1.1 | | | | | | | | |
| 1,4-Dichlorobenzene | U | 1.2 | | | | | | | | |
| 2-Butanone | U | 1.7 | | | | | | | | |
| 2-Hexanone | U | 2.0 | | | | | | | | |
| 4-Methyl-2-pentanone | U | 1.7 | | | | | | | | |
| Acetone | U | 21 | | | | | | | | |
| Benzene | U | 1.5 | | | | | | | | |
| Bromochloromethane | U | 1.5 | | | | | | | | |
| Bromodichloromethane | U | 1.6 | | | | | | | | |
| Bromoform | U | 1.9 | | | | | | | | |
| Bromomethane | U | 3.0 | | | | | | | | |
| Carbon disulfide | U | 1.6 | | | | | | | | |
| Carbon tetrachloride | U | 1.4 | | | | | | | | |
| Chlorobenzene | U | 1.3 | | | | | | | | |
| Chloroethane | U | 2.3 | | | | | | | | |
| Chloroform | U | 1.5 | | | | | | | | |
| Chloromethane | U | 2.8 | | | | | | | | |
| cis-1,2-Dichloroethene | U | 1.4 | | | | | | | | |
| cis-1,3-Dichloropropene | U | 1.9 | | | | | | | | |
| Cyclohexane | U | 2.1 | | | | | | | | |
| Dibromochloromethane | U | 1.3 | | | | | | | | |
| Dichlorodifluoromethane | U | 2.3 | | | | | | | | |
| Ethylbenzene | U | 1.1 | | | | | | | | |
| Isopropylbenzene | U | 1.2 | | | | | | | | |
| m,p-Xylene | U | 2.7 | | | | | | | | |
| Methyl acetate | U | 2.0 | | | | | | | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20040234

Project: Line Kiln Landfill

QC BATCH REPORT

| | | | | | | | |
|------------------------------------|---------------------------|------------------------|-----------|----------|-------------|---------------|----------|
| Batch ID: R286222W | Instrument ID VMS6 | Method: SW8260C | | | | | |
| Methyl tert-butyl ether | U | 1.5 | | | | | |
| Methylcyclohexane | U | 1.2 | | | | | |
| Methylene chloride | U | 2.9 | | | | | |
| Naphthalene | U | 2.6 | | | | | |
| o-Xylene | U | 1.0 | | | | | |
| Styrene | U | 1.1 | | | | | |
| Tetrachloroethene | U | 1.3 | | | | | |
| Tetrahydrofuran | U | 2.4 | | | | | |
| Toluene | U | 1.5 | | | | | |
| trans-1,2-Dichloroethene | U | 1.6 | | | | | |
| trans-1,3-Dichloropropene | U | 2.7 | | | | | |
| Trichloroethene | U | 1.4 | | | | | |
| Trichlorofluoromethane | U | 1.7 | | | | | |
| Vinyl chloride | U | 1.8 | | | | | |
| Xylenes, Total | U | 4.4 | | | | | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>20.12</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>101</i> | <i>75-120</i> | <i>0</i> |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>19.38</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>96.9</i> | <i>80-110</i> | <i>0</i> |
| <i>Surr: Dibromofluoromethane</i> | <i>20.2</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>101</i> | <i>85-115</i> | <i>0</i> |
| <i>Surr: Toluene-d8</i> | <i>19.96</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>99.8</i> | <i>85-110</i> | <i>0</i> |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation
 Work Order: 20040234
 Project: Line Kiln Landfill

QC BATCH REPORT

Batch ID: **R286222W** Instrument ID **VMS6** Method: **SW8260C**

| LCS | | Sample ID: VLCSW1-200408-R286222W | | | | Units: µg/L | | Analysis Date: 4/8/2020 03:54 PM | | |
|-----------------------------|--------|--|---------|---------------|-----------------------|--------------------|---------------|---|--------------|------|
| Client ID: | | Run ID: VMS6_200408A | | | SeqNo: 6346430 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | 20.13 | 1.5 | 20 | 0 | 101 | 75-130 | 0 | | | |
| 1,1,2,2-Tetrachloroethane | 19.32 | 1.3 | 20 | 0 | 96.6 | 75-130 | 0 | | | |
| 1,1,2-Trichloroethane | 20.52 | 1.5 | 20 | 0 | 103 | 75-125 | 0 | | | |
| 1,1-Dichloroethane | 22.59 | 1.5 | 20 | 0 | 113 | 75-133 | 0 | | | |
| 1,1-Dichloroethene | 22.43 | 1.4 | 20 | 0 | 112 | 70-145 | 0 | | | |
| 1,2,3-Trichlorobenzene | 16.4 | 1.4 | 20 | 0 | 82 | 70-140 | 0 | | | |
| 1,2,4-Trichlorobenzene | 16.56 | 1.5 | 20 | 0 | 82.8 | 70-135 | 0 | | | |
| 1,2,4-Trimethylbenzene | 17.87 | 1.5 | 20 | 0 | 89.4 | 75-130 | 0 | | | |
| 1,2-Dibromo-3-chloropropane | 15.3 | 1.4 | 20 | 0 | 76.5 | 60-130 | 0 | | | |
| 1,2-Dibromoethane | 19.79 | 1.4 | 20 | 0 | 99 | 90-195 | 0 | | | |
| 1,2-Dichlorobenzene | 18.47 | 1.1 | 20 | 0 | 92.4 | 70-130 | 0 | | | |
| 1,2-Dichloroethane | 20.15 | 1.4 | 20 | 0 | 101 | 78-125 | 0 | | | |
| 1,2-Dichloropropane | 20.11 | 1.6 | 20 | 0 | 101 | 75-125 | 0 | | | |
| 1,3,5-Trimethylbenzene | 18.18 | 2.2 | 20 | 0 | 90.9 | 75-130 | 0 | | | |
| 1,3-Dichlorobenzene | 18.63 | 1.1 | 20 | 0 | 93.2 | 75-130 | 0 | | | |
| 1,4-Dichlorobenzene | 19.2 | 1.2 | 20 | 0 | 96 | 75-130 | 0 | | | |
| 2-Butanone | 20.66 | 1.7 | 20 | 0 | 103 | 55-150 | 0 | | | |
| 2-Hexanone | 20.34 | 2.0 | 20 | 0 | 102 | 60-135 | 0 | | | |
| 4-Methyl-2-pentanone | 26.57 | 1.7 | 20 | 0 | 133 | 77-178 | 0 | | | |
| Acetone | 19.99 | 21 | 20 | 0 | 100 | 60-160 | 0 | | | J |
| Benzene | 21.26 | 1.5 | 20 | 0 | 106 | 70-130 | 0 | | | |
| Bromochloromethane | 21.7 | 1.5 | 20 | 0 | 108 | 72-141 | 0 | | | |
| Bromodichloromethane | 19.54 | 1.6 | 20 | 0 | 97.7 | 75-125 | 0 | | | |
| Bromoform | 15.17 | 1.9 | 20 | 0 | 75.8 | 60-125 | 0 | | | |
| Bromomethane | 18.06 | 3.0 | 20 | 0 | 90.3 | 30-185 | 0 | | | |
| Carbon disulfide | 24.2 | 1.6 | 20 | 0 | 121 | 60-165 | 0 | | | |
| Carbon tetrachloride | 18.56 | 1.4 | 20 | 0 | 92.8 | 65-140 | 0 | | | |
| Chlorobenzene | 19.55 | 1.3 | 20 | 0 | 97.8 | 80-120 | 0 | | | |
| Chloroethane | 21.88 | 2.3 | 20 | 0 | 109 | 31-172 | 0 | | | |
| Chloroform | 20.27 | 1.5 | 20 | 0 | 101 | 66-135 | 0 | | | |
| Chloromethane | 19.78 | 2.8 | 20 | 0 | 98.9 | 46-148 | 0 | | | |
| cis-1,2-Dichloroethene | 20.86 | 1.4 | 20 | 0 | 104 | 75-134 | 0 | | | |
| cis-1,3-Dichloropropene | 18.12 | 1.9 | 20 | 0 | 90.6 | 70-130 | 0 | | | |
| Dibromochloromethane | 16.85 | 1.3 | 20 | 0 | 84.2 | 60-115 | 0 | | | |
| Dichlorodifluoromethane | 22.22 | 2.3 | 20 | 0 | 111 | 20-120 | 0 | | | |
| Ethylbenzene | 19.43 | 1.1 | 20 | 0 | 97.2 | 76-123 | 0 | | | |
| Isopropylbenzene | 18.76 | 1.2 | 20 | 0 | 93.8 | 80-127 | 0 | | | |
| m,p-Xylene | 38.14 | 2.7 | 40 | 0 | 95.4 | 75-130 | 0 | | | |
| Methyl tert-butyl ether | 21.77 | 1.5 | 20 | 0 | 109 | 80-130 | 0 | | | |
| Methylene chloride | 21.27 | 2.9 | 20 | 0 | 106 | 72-125 | 0 | | | |
| Naphthalene | 15.04 | 2.6 | 20 | 0 | 75.2 | 55-160 | 0 | | | |
| o-Xylene | 19.25 | 1.0 | 20 | 0 | 96.2 | 80-125 | 0 | | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20040234

Project: Line Kiln Landfill

QC BATCH REPORT

| | | | | | | | | |
|------------------------------------|---------------------------|------------------------|----|---|------|--------|---|--|
| Batch ID: R286222W | Instrument ID VMS6 | Method: SW8260C | | | | | | |
| Styrene | 18.95 | 1.1 | 20 | 0 | 94.8 | 83-137 | 0 | |
| Tetrachloroethene | 19.96 | 1.3 | 20 | 0 | 99.8 | 68-166 | 0 | |
| Tetrahydrofuran | 18.73 | 2.4 | 20 | 0 | 93.6 | 54-139 | 0 | |
| Toluene | 20 | 1.5 | 20 | 0 | 100 | 76-125 | 0 | |
| trans-1,2-Dichloroethene | 22.28 | 1.6 | 20 | 0 | 111 | 80-140 | 0 | |
| trans-1,3-Dichloropropene | 17.09 | 2.7 | 20 | 0 | 85.4 | 56-132 | 0 | |
| Trichloroethene | 20 | 1.4 | 20 | 0 | 100 | 77-125 | 0 | |
| Trichlorofluoromethane | 15.83 | 1.7 | 20 | 0 | 79.2 | 60-140 | 0 | |
| Vinyl chloride | 22.59 | 1.8 | 20 | 0 | 113 | 50-136 | 0 | |
| Xylenes, Total | 57.39 | 4.4 | 60 | 0 | 95.6 | 80-126 | 0 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 19.48 | 0 | 20 | 0 | 97.4 | 75-120 | 0 | |
| <i>Surr: 4-Bromofluorobenzene</i> | 20.15 | 0 | 20 | 0 | 101 | 80-110 | 0 | |
| <i>Surr: Dibromofluoromethane</i> | 19.9 | 0 | 20 | 0 | 99.5 | 85-115 | 0 | |
| <i>Surr: Toluene-d8</i> | 20.18 | 0 | 20 | 0 | 101 | 85-110 | 0 | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation
 Work Order: 20040234
 Project: Line Kiln Landfill

QC BATCH REPORT

Batch ID: **R286222W** Instrument ID **VMS6** Method: **SW8260C**

| MS | | Sample ID: 20040234-03A MS | | | | Units: µg/L | | Analysis Date: 4/9/2020 12:19 PM | | |
|-----------------------------|--------|-----------------------------------|---------|-----------------------|------|--------------------|---------------|---|-----------|------|
| Client ID: P2B | | Run ID: VMS6_200408A | | SeqNo: 6346455 | | Prep Date: | | DF: 10 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | 184.6 | 15 | 200 | 0.32 | 92.1 | 75-130 | | 0 | | |
| 1,1,2,2-Tetrachloroethane | 180.8 | 13 | 200 | 0 | 90.4 | 75-130 | | 0 | | |
| 1,1,2-Trichloroethane | 186.7 | 15 | 200 | 0 | 93.4 | 75-125 | | 0 | | |
| 1,1-Dichloroethane | 212.1 | 15 | 200 | 7.65 | 102 | 75-133 | | 0 | | |
| 1,1-Dichloroethene | 221.5 | 14 | 200 | 1.45 | 110 | 70-145 | | 0 | | |
| 1,2,3-Trichlorobenzene | 154.1 | 14 | 200 | 0 | 77 | 70-140 | | 0 | | |
| 1,2,4-Trichlorobenzene | 151.1 | 15 | 200 | 0 | 75.6 | 70-135 | | 0 | | |
| 1,2,4-Trimethylbenzene | 164.4 | 15 | 200 | 0 | 82.2 | 75-130 | | 0 | | |
| 1,2-Dibromo-3-chloropropane | 139.9 | 14 | 200 | 0 | 70 | 60-130 | | 0 | | |
| 1,2-Dibromoethane | 184.5 | 14 | 200 | 0 | 92.2 | 90-195 | | 0 | | |
| 1,2-Dichlorobenzene | 170.3 | 11 | 200 | 0 | 85.2 | 70-130 | | 0 | | |
| 1,2-Dichloroethane | 190.7 | 14 | 200 | 0 | 95.4 | 78-125 | | 0 | | |
| 1,2-Dichloropropane | 192.3 | 16 | 200 | 0 | 96.2 | 75-125 | | 0 | | |
| 1,3,5-Trimethylbenzene | 171.4 | 22 | 200 | 0 | 85.7 | 75-130 | | 0 | | |
| 1,3-Dichlorobenzene | 171.7 | 11 | 200 | 0 | 85.8 | 75-130 | | 0 | | |
| 1,4-Dichlorobenzene | 172.5 | 12 | 200 | 0 | 86.2 | 75-130 | | 0 | | |
| 2-Butanone | 177.2 | 17 | 200 | 0 | 88.6 | 55-150 | | 0 | | |
| 2-Hexanone | 180 | 20 | 200 | 0 | 90 | 60-135 | | 0 | | |
| 4-Methyl-2-pentanone | 237.8 | 17 | 200 | 0 | 119 | 77-178 | | 0 | | |
| Acetone | 185.7 | 210 | 200 | 0 | 92.8 | 60-160 | | 0 | | J |
| Benzene | 198.8 | 15 | 200 | 0 | 99.4 | 70-130 | | 0 | | |
| Bromochloromethane | 198.5 | 15 | 200 | 0 | 99.2 | 72-141 | | 0 | | |
| Bromodichloromethane | 177.8 | 16 | 200 | 0 | 88.9 | 75-125 | | 0 | | |
| Bromoform | 132.2 | 19 | 200 | 0 | 66.1 | 60-125 | | 0 | | |
| Bromomethane | 138.9 | 30 | 200 | 0 | 69.4 | 30-185 | | 0 | | |
| Carbon disulfide | 219.6 | 16 | 200 | 0 | 110 | 60-165 | | 0 | | |
| Carbon tetrachloride | 182.2 | 14 | 200 | 0 | 91.1 | 65-140 | | 0 | | |
| Chlorobenzene | 178.2 | 13 | 200 | 0 | 89.1 | 80-120 | | 0 | | |
| Chloroethane | 218.1 | 23 | 200 | 0 | 109 | 31-172 | | 0 | | |
| Chloroform | 190.9 | 15 | 200 | 0 | 95.4 | 66-135 | | 0 | | |
| Chloromethane | 173.2 | 28 | 200 | 0 | 86.6 | 46-148 | | 0 | | |
| cis-1,2-Dichloroethene | 463.5 | 14 | 200 | 319.4 | 72 | 75-134 | | 0 | | S |
| cis-1,3-Dichloropropene | 158.3 | 19 | 200 | 0 | 79.2 | 70-130 | | 0 | | |
| Dibromochloromethane | 150.1 | 13 | 200 | 0 | 75 | 60-115 | | 0 | | |
| Dichlorodifluoromethane | 212.8 | 23 | 200 | 0 | 106 | 20-120 | | 0 | | |
| Ethylbenzene | 179 | 11 | 200 | 0 | 89.5 | 76-123 | | 0 | | |
| Isopropylbenzene | 175.8 | 12 | 200 | 0 | 87.9 | 80-127 | | 0 | | |
| m,p-Xylene | 354.6 | 27 | 400 | 0 | 88.6 | 75-130 | | 0 | | |
| Methyl tert-butyl ether | 199.1 | 15 | 200 | 0 | 99.6 | 80-130 | | 0 | | |
| Methylene chloride | 208.4 | 29 | 200 | 0 | 104 | 72-125 | | 0 | | |
| Naphthalene | 136.3 | 26 | 200 | 0 | 68.2 | 55-160 | | 0 | | |
| o-Xylene | 177.5 | 10 | 200 | 0 | 88.8 | 80-125 | | 0 | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20040234

Project: Line Kiln Landfill

QC BATCH REPORT

| | | | | | | | | |
|------------------------------------|---------------------------|------------------------|------------|----------|-------------|---------------|----------|--|
| Batch ID: R286222W | Instrument ID VMS6 | Method: SW8260C | | | | | | |
| Styrene | 174.6 | 11 | 200 | 0 | 87.3 | 83-137 | 0 | |
| Tetrachloroethene | 184.6 | 13 | 200 | 0 | 92.3 | 68-166 | 0 | |
| Tetrahydrofuran | 190.3 | 24 | 200 | 0 | 95.2 | 54-139 | 0 | |
| Toluene | 186.4 | 15 | 200 | 0 | 93.2 | 76-125 | 0 | |
| trans-1,2-Dichloroethene | 212.2 | 16 | 200 | 4.4 | 104 | 80-140 | 0 | |
| trans-1,3-Dichloropropene | 144.2 | 27 | 200 | 0 | 72.1 | 56-132 | 0 | |
| Trichloroethene | 271.4 | 14 | 200 | 103.9 | 83.7 | 77-125 | 0 | |
| Trichlorofluoromethane | 154.3 | 17 | 200 | 0 | 77.2 | 60-140 | 0 | |
| Vinyl chloride | 365.8 | 18 | 200 | 194 | 85.9 | 50-136 | 0 | |
| Xylenes, Total | 532.1 | 44 | 600 | 0 | 88.7 | 80-126 | 0 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>192.4</i> | <i>0</i> | <i>200</i> | <i>0</i> | <i>96.2</i> | <i>75-120</i> | <i>0</i> | |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>201</i> | <i>0</i> | <i>200</i> | <i>0</i> | <i>100</i> | <i>80-110</i> | <i>0</i> | |
| <i>Surr: Dibromofluoromethane</i> | <i>199.8</i> | <i>0</i> | <i>200</i> | <i>0</i> | <i>99.9</i> | <i>85-115</i> | <i>0</i> | |
| <i>Surr: Toluene-d8</i> | <i>198</i> | <i>0</i> | <i>200</i> | <i>0</i> | <i>99</i> | <i>85-110</i> | <i>0</i> | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation
 Work Order: 20040234
 Project: Line Kiln Landfill

QC BATCH REPORT

Batch ID: **R286222W** Instrument ID **VMS6** Method: **SW8260C**

| MSD | | Sample ID: 20040234-03A MSD | | | | Units: µg/L | | Analysis Date: 4/9/2020 12:43 PM | | |
|-----------------------------|--------|------------------------------------|---------|-----------------------|------|--------------------|---------------|---|-----------|------|
| Client ID: P2B | | Run ID: VMS6_200408A | | SeqNo: 6346456 | | Prep Date: | | DF: 10 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | 208.3 | 15 | 200 | 0.32 | 104 | 75-130 | 184.6 | 12.1 | 30 | |
| 1,1,2,2-Tetrachloroethane | 191.5 | 13 | 200 | 0 | 95.8 | 75-130 | 180.8 | 5.75 | 30 | |
| 1,1,2-Trichloroethane | 196.7 | 15 | 200 | 0 | 98.4 | 75-125 | 186.7 | 5.22 | 30 | |
| 1,1-Dichloroethane | 237.6 | 15 | 200 | 7.65 | 115 | 75-133 | 212.1 | 11.3 | 30 | |
| 1,1-Dichloroethene | 231 | 14 | 200 | 1.45 | 115 | 70-145 | 221.5 | 4.2 | 30 | |
| 1,2,3-Trichlorobenzene | 168 | 14 | 200 | 0 | 84 | 70-140 | 154.1 | 8.63 | 30 | |
| 1,2,4-Trichlorobenzene | 166.3 | 15 | 200 | 0 | 83.2 | 70-135 | 151.1 | 9.58 | 30 | |
| 1,2,4-Trimethylbenzene | 176.8 | 15 | 200 | 0 | 88.4 | 75-130 | 164.4 | 7.27 | 30 | |
| 1,2-Dibromo-3-chloropropane | 143 | 14 | 200 | 0 | 71.5 | 60-130 | 139.9 | 2.19 | 30 | |
| 1,2-Dibromoethane | 189.8 | 14 | 200 | 0 | 94.9 | 90-195 | 184.5 | 2.83 | 30 | |
| 1,2-Dichlorobenzene | 185.8 | 11 | 200 | 0 | 92.9 | 70-130 | 170.3 | 8.71 | 30 | |
| 1,2-Dichloroethane | 205.8 | 14 | 200 | 0 | 103 | 78-125 | 190.7 | 7.62 | 30 | |
| 1,2-Dichloropropane | 208.8 | 16 | 200 | 0 | 104 | 75-125 | 192.3 | 8.23 | 30 | |
| 1,3,5-Trimethylbenzene | 186.7 | 22 | 200 | 0 | 93.4 | 75-130 | 171.4 | 8.55 | 30 | |
| 1,3-Dichlorobenzene | 184.7 | 11 | 200 | 0 | 92.4 | 75-130 | 171.7 | 7.3 | 30 | |
| 1,4-Dichlorobenzene | 187 | 12 | 200 | 0 | 93.5 | 75-130 | 172.5 | 8.07 | 30 | |
| 2-Butanone | 197.3 | 17 | 200 | 0 | 98.6 | 55-150 | 177.2 | 10.7 | 30 | |
| 2-Hexanone | 190.1 | 20 | 200 | 0 | 95 | 60-135 | 180 | 5.46 | 30 | |
| 4-Methyl-2-pentanone | 246.2 | 17 | 200 | 0 | 123 | 77-178 | 237.8 | 3.47 | 30 | |
| Acetone | 195.2 | 210 | 200 | 0 | 97.6 | 60-160 | 185.7 | 0 | 30 | J |
| Benzene | 213.4 | 15 | 200 | 0 | 107 | 70-130 | 198.8 | 7.08 | 30 | |
| Bromochloromethane | 209 | 15 | 200 | 0 | 104 | 72-141 | 198.5 | 5.15 | 30 | |
| Bromodichloromethane | 194.8 | 16 | 200 | 0 | 97.4 | 75-125 | 177.8 | 9.13 | 30 | |
| Bromoform | 145.3 | 19 | 200 | 0 | 72.6 | 60-125 | 132.2 | 9.44 | 30 | |
| Bromomethane | 174.2 | 30 | 200 | 0 | 87.1 | 30-185 | 138.9 | 22.5 | 30 | |
| Carbon disulfide | 242 | 16 | 200 | 0 | 121 | 60-165 | 219.6 | 9.71 | 30 | |
| Carbon tetrachloride | 197.6 | 14 | 200 | 0 | 98.8 | 65-140 | 182.2 | 8.11 | 30 | |
| Chlorobenzene | 194 | 13 | 200 | 0 | 97 | 80-120 | 178.2 | 8.49 | 30 | |
| Chloroethane | 228.7 | 23 | 200 | 0 | 114 | 31-172 | 218.1 | 4.74 | 30 | |
| Chloroform | 208.9 | 15 | 200 | 0 | 104 | 66-135 | 190.9 | 9 | 30 | |
| Chloromethane | 196.1 | 28 | 200 | 0 | 98 | 46-148 | 173.2 | 12.4 | 30 | |
| cis-1,2-Dichloroethene | 482.1 | 14 | 200 | 319.4 | 81.4 | 75-134 | 463.5 | 3.93 | 30 | |
| cis-1,3-Dichloropropene | 173.3 | 19 | 200 | 0 | 86.6 | 70-130 | 158.3 | 9.05 | 30 | |
| Dibromochloromethane | 159.3 | 13 | 200 | 0 | 79.6 | 60-115 | 150.1 | 5.95 | 30 | |
| Dichlorodifluoromethane | 234 | 23 | 200 | 0 | 117 | 20-120 | 212.8 | 9.49 | 30 | |
| Ethylbenzene | 195.3 | 11 | 200 | 0 | 97.6 | 76-123 | 179 | 8.71 | 30 | |
| Isopropylbenzene | 191.3 | 12 | 200 | 0 | 95.6 | 80-127 | 175.8 | 8.44 | 30 | |
| m,p-Xylene | 381.1 | 27 | 400 | 0 | 95.3 | 75-130 | 354.6 | 7.2 | 30 | |
| Methyl tert-butyl ether | 211.5 | 15 | 200 | 0 | 106 | 80-130 | 199.1 | 6.04 | 30 | |
| Methylene chloride | 207.8 | 29 | 200 | 0 | 104 | 72-125 | 208.4 | 0.288 | 30 | |
| Naphthalene | 151.8 | 26 | 200 | 0 | 75.9 | 55-160 | 136.3 | 10.8 | 30 | |
| o-Xylene | 191.1 | 10 | 200 | 0 | 95.6 | 80-125 | 177.5 | 7.38 | 30 | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20040234

Project: Line Kiln Landfill

QC BATCH REPORT

| Batch ID: R286222W | Instrument ID VMS6 | Method: SW8260C | | | | | | | | |
|------------------------------------|---------------------------|------------------------|-----|-------|------|--------|-------|------|----|--|
| Styrene | 185.8 | 11 | 200 | 0 | 92.9 | 83-137 | 174.6 | 6.22 | 30 | |
| Tetrachloroethene | 197.1 | 13 | 200 | 0 | 98.6 | 68-166 | 184.6 | 6.55 | 30 | |
| Tetrahydrofuran | 192.4 | 24 | 200 | 0 | 96.2 | 54-139 | 190.3 | 1.1 | 30 | |
| Toluene | 199 | 15 | 200 | 0 | 99.5 | 76-125 | 186.4 | 6.54 | 30 | |
| trans-1,2-Dichloroethene | 231.3 | 16 | 200 | 4.4 | 113 | 80-140 | 212.2 | 8.61 | 30 | |
| trans-1,3-Dichloropropene | 160.4 | 27 | 200 | 0 | 80.2 | 56-132 | 144.2 | 10.6 | 30 | |
| Trichloroethene | 285.4 | 14 | 200 | 103.9 | 90.7 | 77-125 | 271.4 | 5.03 | 30 | |
| Trichlorofluoromethane | 166.5 | 17 | 200 | 0 | 83.2 | 60-140 | 154.3 | 7.61 | 30 | |
| Vinyl chloride | 388 | 18 | 200 | 194 | 97 | 50-136 | 365.8 | 5.89 | 30 | |
| Xylenes, Total | 572.2 | 44 | 600 | 0 | 95.4 | 80-126 | 532.1 | 7.26 | 30 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 202.1 | 0 | 200 | 0 | 101 | 75-120 | 192.4 | 4.92 | 30 | |
| <i>Surr: 4-Bromofluorobenzene</i> | 198.1 | 0 | 200 | 0 | 99 | 80-110 | 201 | 1.45 | 30 | |
| <i>Surr: Dibromofluoromethane</i> | 204.3 | 0 | 200 | 0 | 102 | 85-115 | 199.8 | 2.23 | 30 | |
| <i>Surr: Toluene-d8</i> | 200.3 | 0 | 200 | 0 | 100 | 85-110 | 198 | 1.15 | 30 | |

The following samples were analyzed in this batch:

| | | |
|--------------|--------------|--------------|
| 20040234-03A | 20040234-04A | 20040234-05A |
| 20040234-06A | 20040234-07A | 20040234-08A |
| 20040234-09A | 20040234-10A | 20040234-11A |
| 20040234-12A | 20040234-13A | 20040234-14A |
| 20040234-15A | 20040234-16A | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20040234

Project: Line Kiln Landfill

QC BATCH REPORT

Batch ID: **R286287a**

Instrument ID **VMS11**

Method: **SW8260C**

| MBLK | | Sample ID: VBLKW2-200409-R286287a | | | Units: µg/L | | Analysis Date: 4/9/2020 01:53 PM | | | |
|--------------------------------|--------|--|---------|---------------|-----------------------|---------------|---|------|--------------|------|
| Client ID: | | Run ID: VMS11_200409A | | | SeqNo: 6348710 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | U | 1.5 | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | U | 1.3 | | | | | | | | |
| 1,1,2-Trichloroethane | U | 1.5 | | | | | | | | |
| 1,1,2-Trichlorotrifluoroethane | U | 1.7 | | | | | | | | |
| 1,1-Dichloroethane | U | 1.5 | | | | | | | | |
| 1,1-Dichloroethene | U | 1.4 | | | | | | | | |
| 1,2,3-Trichlorobenzene | U | 1.4 | | | | | | | | |
| 1,2,4-Trichlorobenzene | U | 1.5 | | | | | | | | |
| 1,2,4-Trimethylbenzene | U | 1.5 | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | U | 1.4 | | | | | | | | |
| 1,2-Dibromoethane | U | 1.4 | | | | | | | | |
| 1,2-Dichlorobenzene | U | 1.1 | | | | | | | | |
| 1,2-Dichloroethane | U | 1.4 | | | | | | | | |
| 1,2-Dichloropropane | U | 1.6 | | | | | | | | |
| 1,3,5-Trimethylbenzene | U | 2.2 | | | | | | | | |
| 1,3-Dichlorobenzene | U | 1.1 | | | | | | | | |
| 1,4-Dichlorobenzene | U | 1.2 | | | | | | | | |
| 2-Butanone | U | 1.7 | | | | | | | | |
| 2-Hexanone | U | 2.0 | | | | | | | | |
| 4-Methyl-2-pentanone | U | 1.7 | | | | | | | | |
| Acetone | U | 21 | | | | | | | | |
| Benzene | U | 1.5 | | | | | | | | |
| Bromochloromethane | U | 1.5 | | | | | | | | |
| Bromodichloromethane | U | 1.6 | | | | | | | | |
| Bromoform | U | 1.9 | | | | | | | | |
| Bromomethane | U | 3.0 | | | | | | | | |
| Carbon disulfide | U | 1.6 | | | | | | | | |
| Carbon tetrachloride | U | 1.4 | | | | | | | | |
| Chlorobenzene | U | 1.3 | | | | | | | | |
| Chloroethane | U | 2.3 | | | | | | | | |
| Chloroform | U | 1.5 | | | | | | | | |
| Chloromethane | U | 2.8 | | | | | | | | |
| cis-1,2-Dichloroethene | U | 1.4 | | | | | | | | |
| cis-1,3-Dichloropropene | U | 1.9 | | | | | | | | |
| Cyclohexane | U | 2.1 | | | | | | | | |
| Dibromochloromethane | U | 1.3 | | | | | | | | |
| Dichlorodifluoromethane | U | 2.3 | | | | | | | | |
| Ethylbenzene | U | 1.1 | | | | | | | | |
| Isopropylbenzene | U | 1.2 | | | | | | | | |
| m,p-Xylene | U | 2.7 | | | | | | | | |
| Methyl acetate | U | 2.0 | | | | | | | | |
| Methyl tert-butyl ether | U | 1.5 | | | | | | | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20040234

Project: Line Kiln Landfill

QC BATCH REPORT

Batch ID: **R286287a** Instrument ID **VMS11** Method: **SW8260C**

| | | | | | | | | |
|------------------------------------|---|--------------|----------|-----------|----------|-------------|---------------|----------|
| Methylcyclohexane | U | 1.2 | | | | | | |
| Methylene chloride | U | 2.9 | | | | | | |
| Naphthalene | U | 2.6 | | | | | | |
| o-Xylene | U | 1.0 | | | | | | |
| Styrene | U | 1.1 | | | | | | |
| Tetrachloroethene | U | 1.3 | | | | | | |
| Tetrahydrofuran | U | 2.4 | | | | | | |
| Toluene | U | 1.5 | | | | | | |
| trans-1,2-Dichloroethene | U | 1.6 | | | | | | |
| trans-1,3-Dichloropropene | U | 2.7 | | | | | | |
| Trichloroethene | U | 1.4 | | | | | | |
| Trichlorofluoromethane | U | 1.7 | | | | | | |
| Vinyl chloride | U | 1.8 | | | | | | |
| Xylenes, Total | U | 4.4 | | | | | | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | | <i>20.42</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>102</i> | <i>75-120</i> | <i>0</i> |
| <i>Surr: 4-Bromofluorobenzene</i> | | <i>20.25</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>101</i> | <i>80-110</i> | <i>0</i> |
| <i>Surr: Dibromofluoromethane</i> | | <i>19.53</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>97.6</i> | <i>85-115</i> | <i>0</i> |
| <i>Surr: Toluene-d8</i> | | <i>19.8</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>99</i> | <i>85-110</i> | <i>0</i> |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation
 Work Order: 20040234
 Project: Line Kiln Landfill

QC BATCH REPORT

Batch ID: **R286287a** Instrument ID **VMS11** Method: **SW8260C**

| LCS | | Sample ID: VLCSW1-200409-R286287a | | | | Units: µg/L | | Analysis Date: 4/9/2020 12:47 PM | | |
|-----------------------------|--------|--|---------|-----------------------|------|--------------------|---------------|---|-----------|------|
| Client ID: | | Run ID: VMS11_200409A | | SeqNo: 6348709 | | Prep Date: | | DF: 1 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | 18.53 | 1.5 | 20 | 0 | 92.6 | 75-130 | 0 | | | |
| 1,1,2,2-Tetrachloroethane | 20.29 | 1.3 | 20 | 0 | 101 | 75-130 | 0 | | | |
| 1,1,2-Trichloroethane | 18.91 | 1.5 | 20 | 0 | 94.6 | 75-125 | 0 | | | |
| 1,1-Dichloroethane | 20.31 | 1.5 | 20 | 0 | 102 | 75-133 | 0 | | | |
| 1,1-Dichloroethene | 20.78 | 1.4 | 20 | 0 | 104 | 70-145 | 0 | | | |
| 1,2,3-Trichlorobenzene | 16.75 | 1.4 | 20 | 0 | 83.8 | 70-140 | 0 | | | |
| 1,2,4-Trichlorobenzene | 17.08 | 1.5 | 20 | 0 | 85.4 | 70-135 | 0 | | | |
| 1,2,4-Trimethylbenzene | 17.76 | 1.5 | 20 | 0 | 88.8 | 75-130 | 0 | | | |
| 1,2-Dibromo-3-chloropropane | 16.59 | 1.4 | 20 | 0 | 83 | 60-130 | 0 | | | |
| 1,2-Dibromoethane | 22.38 | 1.4 | 20 | 0 | 112 | 90-195 | 0 | | | |
| 1,2-Dichlorobenzene | 18.9 | 1.1 | 20 | 0 | 94.5 | 70-130 | 0 | | | |
| 1,2-Dichloroethane | 20.33 | 1.4 | 20 | 0 | 102 | 78-125 | 0 | | | |
| 1,2-Dichloropropane | 19.33 | 1.6 | 20 | 0 | 96.6 | 75-125 | 0 | | | |
| 1,3,5-Trimethylbenzene | 19.03 | 2.2 | 20 | 0 | 95.2 | 75-130 | 0 | | | |
| 1,3-Dichlorobenzene | 18.87 | 1.1 | 20 | 0 | 94.4 | 75-130 | 0 | | | |
| 1,4-Dichlorobenzene | 18.8 | 1.2 | 20 | 0 | 94 | 75-130 | 0 | | | |
| 2-Butanone | 20.2 | 1.7 | 20 | 0 | 101 | 55-150 | 0 | | | |
| 2-Hexanone | 21.3 | 2.0 | 20 | 0 | 106 | 60-135 | 0 | | | |
| 4-Methyl-2-pentanone | 26.58 | 1.7 | 20 | 0 | 133 | 77-178 | 0 | | | |
| Acetone | 19.2 | 21 | 20 | 0 | 96 | 60-160 | 0 | | | J |
| Benzene | 19.94 | 1.5 | 20 | 0 | 99.7 | 70-130 | 0 | | | |
| Bromochloromethane | 18.52 | 1.5 | 20 | 0 | 92.6 | 72-141 | 0 | | | |
| Bromodichloromethane | 19.16 | 1.6 | 20 | 0 | 95.8 | 75-125 | 0 | | | |
| Bromoform | 16.19 | 1.9 | 20 | 0 | 81 | 60-125 | 0 | | | |
| Bromomethane | 22.92 | 3.0 | 20 | 0 | 115 | 30-185 | 0 | | | |
| Carbon disulfide | 23.66 | 1.6 | 20 | 0 | 118 | 60-165 | 0 | | | |
| Carbon tetrachloride | 17.97 | 1.4 | 20 | 0 | 89.8 | 65-140 | 0 | | | |
| Chlorobenzene | 18.58 | 1.3 | 20 | 0 | 92.9 | 80-120 | 0 | | | |
| Chloroethane | 21.61 | 2.3 | 20 | 0 | 108 | 31-172 | 0 | | | |
| Chloroform | 19.4 | 1.5 | 20 | 0 | 97 | 66-135 | 0 | | | |
| Chloromethane | 20.76 | 2.8 | 20 | 0 | 104 | 46-148 | 0 | | | |
| cis-1,2-Dichloroethene | 18.73 | 1.4 | 20 | 0 | 93.6 | 75-134 | 0 | | | |
| cis-1,3-Dichloropropene | 18.69 | 1.9 | 20 | 0 | 93.4 | 70-130 | 0 | | | |
| Dibromochloromethane | 17.22 | 1.3 | 20 | 0 | 86.1 | 60-115 | 0 | | | |
| Dichlorodifluoromethane | 21.91 | 2.3 | 20 | 0 | 110 | 20-120 | 0 | | | |
| Ethylbenzene | 17.7 | 1.1 | 20 | 0 | 88.5 | 76-123 | 0 | | | |
| Isopropylbenzene | 17.71 | 1.2 | 20 | 0 | 88.6 | 80-127 | 0 | | | |
| m,p-Xylene | 35.24 | 2.7 | 40 | 0 | 88.1 | 75-130 | 0 | | | |
| Methyl tert-butyl ether | 22.73 | 1.5 | 20 | 0 | 114 | 80-130 | 0 | | | |
| Methylene chloride | 20.38 | 2.9 | 20 | 0 | 102 | 72-125 | 0 | | | |
| Naphthalene | 16.91 | 2.6 | 20 | 0 | 84.6 | 55-160 | 0 | | | |
| o-Xylene | 17.81 | 1.0 | 20 | 0 | 89 | 80-125 | 0 | | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20040234

Project: Line Kiln Landfill

QC BATCH REPORT

| | | | | | | | | |
|------------------------------------|----------------------------|------------------------|-----------|----------|------------|---------------|----------|--|
| Batch ID: R286287a | Instrument ID VMS11 | Method: SW8260C | | | | | | |
| Styrene | 18.13 | 1.1 | 20 | 0 | 90.6 | 83-137 | 0 | |
| Tetrachloroethene | 17.82 | 1.3 | 20 | 0 | 89.1 | 68-166 | 0 | |
| Tetrahydrofuran | 20.45 | 2.4 | 20 | 0 | 102 | 54-139 | 0 | |
| Toluene | 19.13 | 1.5 | 20 | 0 | 95.6 | 76-125 | 0 | |
| trans-1,2-Dichloroethene | 19.38 | 1.6 | 20 | 0 | 96.9 | 80-140 | 0 | |
| trans-1,3-Dichloropropene | 18.08 | 2.7 | 20 | 0 | 90.4 | 56-132 | 0 | |
| Trichloroethene | 18.71 | 1.4 | 20 | 0 | 93.6 | 77-125 | 0 | |
| Trichlorofluoromethane | 14.01 | 1.7 | 20 | 0 | 70 | 60-140 | 0 | |
| Vinyl chloride | 20.59 | 1.8 | 20 | 0 | 103 | 50-136 | 0 | |
| Xylenes, Total | 53.05 | 4.4 | 60 | 0 | 88.4 | 80-126 | 0 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>20.1</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>100</i> | <i>75-120</i> | <i>0</i> | |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>20.19</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>101</i> | <i>80-110</i> | <i>0</i> | |
| <i>Surr: Dibromofluoromethane</i> | <i>20.66</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>103</i> | <i>85-115</i> | <i>0</i> | |
| <i>Surr: Toluene-d8</i> | <i>20.15</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>101</i> | <i>85-110</i> | <i>0</i> | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation
 Work Order: 20040234
 Project: Line Kiln Landfill

QC BATCH REPORT

Batch ID: **R286287a** Instrument ID **VMS11** Method: **SW8260C**

| MS | | Sample ID: 20040591-26A MS | | | | Units: µg/L | | Analysis Date: 4/9/2020 09:59 PM | | |
|-----------------------------|--------|-----------------------------------|---------|-----------------------|------|--------------------|---------------|---|-----------|------|
| Client ID: | | Run ID: VMS11_200409A | | SeqNo: 6348715 | | Prep Date: | | DF: 5 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | 93.9 | 7.6 | 100 | 0 | 93.9 | 75-130 | 0 | | | |
| 1,1,2,2-Tetrachloroethane | 98.9 | 6.7 | 100 | 0 | 98.9 | 75-130 | 0 | | | |
| 1,1,2-Trichloroethane | 89.75 | 7.7 | 100 | 0 | 89.8 | 75-125 | 0 | | | |
| 1,1-Dichloroethane | 105 | 7.4 | 100 | 0 | 105 | 75-133 | 0 | | | |
| 1,1-Dichloroethene | 110.4 | 6.8 | 100 | 0 | 110 | 70-145 | 0 | | | |
| 1,2,3-Trichlorobenzene | 58.85 | 7.0 | 100 | 0 | 58.8 | 70-140 | 0 | | | S |
| 1,2,4-Trichlorobenzene | 67.25 | 7.6 | 100 | 0 | 67.2 | 70-135 | 0 | | | S |
| 1,2,4-Trimethylbenzene | 89.05 | 7.5 | 100 | 0 | 89 | 75-130 | 0 | | | |
| 1,2-Dibromo-3-chloropropane | 70.45 | 7.2 | 100 | 0 | 70.4 | 60-130 | 0 | | | |
| 1,2-Dibromoethane | 107.8 | 6.8 | 100 | 0 | 108 | 90-195 | 0 | | | |
| 1,2-Dichlorobenzene | 90.25 | 5.4 | 100 | 0 | 90.2 | 70-130 | 0 | | | |
| 1,2-Dichloroethane | 101.7 | 7.2 | 100 | 0 | 102 | 78-125 | 0 | | | |
| 1,2-Dichloropropane | 97.8 | 8.0 | 100 | 0 | 97.8 | 75-125 | 0 | | | |
| 1,3,5-Trimethylbenzene | 95.8 | 11 | 100 | 0 | 95.8 | 75-130 | 0 | | | |
| 1,3-Dichlorobenzene | 92.75 | 5.4 | 100 | 0 | 92.8 | 75-130 | 0 | | | |
| 1,4-Dichlorobenzene | 90.55 | 5.8 | 100 | 0 | 90.6 | 75-130 | 0 | | | |
| 2-Butanone | 108.2 | 8.6 | 100 | 0 | 108 | 55-150 | 0 | | | |
| 2-Hexanone | 106.9 | 9.8 | 100 | 0 | 107 | 60-135 | 0 | | | |
| 4-Methyl-2-pentanone | 135.8 | 8.6 | 100 | 0 | 136 | 77-178 | 0 | | | |
| Acetone | 100.2 | 100 | 100 | 7.25 | 92.9 | 60-160 | 0 | | | |
| Benzene | 101.8 | 7.6 | 100 | 0 | 102 | 70-130 | 0 | | | |
| Bromochloromethane | 94.75 | 7.4 | 100 | 0 | 94.8 | 72-141 | 0 | | | |
| Bromodichloromethane | 93.35 | 8.2 | 100 | 0 | 93.4 | 75-125 | 0 | | | |
| Bromoform | 71.8 | 9.4 | 100 | 0 | 71.8 | 60-125 | 0 | | | |
| Bromomethane | 55.05 | 15 | 100 | 0 | 55 | 30-185 | 0 | | | |
| Carbon disulfide | 119.2 | 8.2 | 100 | 0 | 119 | 60-165 | 0 | | | |
| Carbon tetrachloride | 90.9 | 6.8 | 100 | 0 | 90.9 | 65-140 | 0 | | | |
| Chlorobenzene | 95.15 | 6.7 | 100 | 0 | 95.2 | 80-120 | 0 | | | |
| Chloroethane | 131 | 11 | 100 | 0 | 131 | 31-172 | 0 | | | |
| Chloroform | 99.1 | 7.6 | 100 | 0 | 99.1 | 66-135 | 0 | | | |
| Chloromethane | 103.9 | 14 | 100 | 0 | 104 | 46-148 | 0 | | | |
| cis-1,2-Dichloroethene | 144 | 6.9 | 100 | 50.5 | 93.4 | 75-134 | 0 | | | |
| cis-1,3-Dichloropropene | 90.35 | 9.6 | 100 | 0 | 90.4 | 70-130 | 0 | | | |
| Dibromochloromethane | 78.2 | 6.6 | 100 | 0 | 78.2 | 60-115 | 0 | | | |
| Dichlorodifluoromethane | 122.6 | 11 | 100 | 0 | 123 | 20-120 | 0 | | | S |
| Ethylbenzene | 91.3 | 5.6 | 100 | 0 | 91.3 | 76-123 | 0 | | | |
| Isopropylbenzene | 91.2 | 5.8 | 100 | 0 | 91.2 | 80-127 | 0 | | | |
| m,p-Xylene | 181.4 | 14 | 200 | 0 | 90.7 | 75-130 | 0 | | | |
| Methyl tert-butyl ether | 114 | 7.6 | 100 | 0 | 114 | 80-130 | 0 | | | |
| Methylene chloride | 103.8 | 14 | 100 | 0 | 104 | 72-125 | 0 | | | |
| Naphthalene | 62.75 | 13 | 100 | 0 | 62.8 | 55-160 | 0 | | | |
| o-Xylene | 91.4 | 5.2 | 100 | 0 | 91.4 | 80-125 | 0 | | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20040234

Project: Line Kiln Landfill

QC BATCH REPORT

| | | | | | | | |
|------------------------------------|----------------------------|------------------------|------------|----------|-------------|---------------|----------|
| Batch ID: R286287a | Instrument ID VMS11 | Method: SW8260C | | | | | |
| Styrene | 90.2 | 5.6 | 100 | 0 | 90.2 | 83-137 | 0 |
| Tetrachloroethene | 91.6 | 6.6 | 100 | 0 | 91.6 | 68-166 | 0 |
| Tetrahydrofuran | 104.8 | 12 | 100 | 0 | 105 | 54-139 | 0 |
| Toluene | 97.75 | 7.6 | 100 | 0 | 97.8 | 76-125 | 0 |
| trans-1,2-Dichloroethene | 102.8 | 8.0 | 100 | 1.45 | 101 | 80-140 | 0 |
| trans-1,3-Dichloropropene | 82.15 | 14 | 100 | 0 | 82.2 | 56-132 | 0 |
| Trichloroethene | 96.15 | 7.2 | 100 | 0 | 96.2 | 77-125 | 0 |
| Trichlorofluoromethane | 77.15 | 8.6 | 100 | 0 | 77.2 | 60-140 | 0 |
| Vinyl chloride | 117.6 | 8.8 | 100 | 6.4 | 111 | 50-136 | 0 |
| Xylenes, Total | 272.8 | 22 | 300 | 0 | 90.9 | 80-126 | 0 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>101.5</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>102</i> | <i>75-120</i> | <i>0</i> |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>103.4</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>103</i> | <i>80-110</i> | <i>0</i> |
| <i>Surr: Dibromofluoromethane</i> | <i>102.4</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>102</i> | <i>85-115</i> | <i>0</i> |
| <i>Surr: Toluene-d8</i> | <i>99.8</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>99.8</i> | <i>85-110</i> | <i>0</i> |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation
 Work Order: 20040234
 Project: Line Kiln Landfill

QC BATCH REPORT

Batch ID: **R286287a** Instrument ID **VMS11** Method: **SW8260C**

| MSD | | Sample ID: 20040591-26A MSD | | | | Units: µg/L | | Analysis Date: 4/9/2020 10:21 PM | | |
|-----------------------------|--------|------------------------------------|---------|-----------------------|------|--------------------|---------------|---|-----------|------|
| Client ID: | | Run ID: VMS11_200409A | | SeqNo: 6348716 | | Prep Date: | | DF: 5 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | 98 | 7.6 | 100 | 0 | 98 | 75-130 | 93.9 | 4.27 | 30 | |
| 1,1,2,2-Tetrachloroethane | 104.1 | 6.7 | 100 | 0 | 104 | 75-130 | 98.9 | 5.12 | 30 | |
| 1,1,2-Trichloroethane | 95.2 | 7.7 | 100 | 0 | 95.2 | 75-125 | 89.75 | 5.89 | 30 | |
| 1,1-Dichloroethane | 109.2 | 7.4 | 100 | 0 | 109 | 75-133 | 105 | 3.92 | 30 | |
| 1,1-Dichloroethene | 114.8 | 6.8 | 100 | 0 | 115 | 70-145 | 110.4 | 3.86 | 30 | |
| 1,2,3-Trichlorobenzene | 66.6 | 7.0 | 100 | 0 | 66.6 | 70-140 | 58.85 | 12.4 | 30 | S |
| 1,2,4-Trichlorobenzene | 73.1 | 7.6 | 100 | 0 | 73.1 | 70-135 | 67.25 | 8.34 | 30 | |
| 1,2,4-Trimethylbenzene | 92.65 | 7.5 | 100 | 0 | 92.6 | 75-130 | 89.05 | 3.96 | 30 | |
| 1,2-Dibromo-3-chloropropane | 73.65 | 7.2 | 100 | 0 | 73.6 | 60-130 | 70.45 | 4.44 | 30 | |
| 1,2-Dibromoethane | 111.9 | 6.8 | 100 | 0 | 112 | 90-195 | 107.8 | 3.78 | 30 | |
| 1,2-Dichlorobenzene | 96.05 | 5.4 | 100 | 0 | 96 | 70-130 | 90.25 | 6.23 | 30 | |
| 1,2-Dichloroethane | 103.7 | 7.2 | 100 | 0 | 104 | 78-125 | 101.7 | 1.95 | 30 | |
| 1,2-Dichloropropane | 103.2 | 8.0 | 100 | 0 | 103 | 75-125 | 97.8 | 5.37 | 30 | |
| 1,3,5-Trimethylbenzene | 101.7 | 11 | 100 | 0 | 102 | 75-130 | 95.8 | 5.97 | 30 | |
| 1,3-Dichlorobenzene | 99.05 | 5.4 | 100 | 0 | 99 | 75-130 | 92.75 | 6.57 | 30 | |
| 1,4-Dichlorobenzene | 96.45 | 5.8 | 100 | 0 | 96.4 | 75-130 | 90.55 | 6.31 | 30 | |
| 2-Butanone | 113.3 | 8.6 | 100 | 0 | 113 | 55-150 | 108.2 | 4.6 | 30 | |
| 2-Hexanone | 114.2 | 9.8 | 100 | 0 | 114 | 60-135 | 106.9 | 6.56 | 30 | |
| 4-Methyl-2-pentanone | 139 | 8.6 | 100 | 0 | 139 | 77-178 | 135.8 | 2.33 | 30 | |
| Acetone | 107.8 | 100 | 100 | 7.25 | 101 | 60-160 | 100.2 | 7.4 | 30 | |
| Benzene | 105.6 | 7.6 | 100 | 0 | 106 | 70-130 | 101.8 | 3.67 | 30 | |
| Bromochloromethane | 98.2 | 7.4 | 100 | 0 | 98.2 | 72-141 | 94.75 | 3.58 | 30 | |
| Bromodichloromethane | 97.2 | 8.2 | 100 | 0 | 97.2 | 75-125 | 93.35 | 4.04 | 30 | |
| Bromoform | 75.05 | 9.4 | 100 | 0 | 75 | 60-125 | 71.8 | 4.43 | 30 | |
| Bromomethane | 78.6 | 15 | 100 | 0 | 78.6 | 30-185 | 55.05 | 35.2 | 30 | R |
| Carbon disulfide | 124 | 8.2 | 100 | 0 | 124 | 60-165 | 119.2 | 3.87 | 30 | |
| Carbon tetrachloride | 97.2 | 6.8 | 100 | 0 | 97.2 | 65-140 | 90.9 | 6.7 | 30 | |
| Chlorobenzene | 99.4 | 6.7 | 100 | 0 | 99.4 | 80-120 | 95.15 | 4.37 | 30 | |
| Chloroethane | 116.6 | 11 | 100 | 0 | 117 | 31-172 | 131 | 11.6 | 30 | |
| Chloroform | 103.8 | 7.6 | 100 | 0 | 104 | 66-135 | 99.1 | 4.63 | 30 | |
| Chloromethane | 107.3 | 14 | 100 | 0 | 107 | 46-148 | 103.9 | 3.22 | 30 | |
| cis-1,2-Dichloroethene | 148.7 | 6.9 | 100 | 50.5 | 98.2 | 75-134 | 144 | 3.25 | 30 | |
| cis-1,3-Dichloropropene | 93.9 | 9.6 | 100 | 0 | 93.9 | 70-130 | 90.35 | 3.85 | 30 | |
| Dibromochloromethane | 80.2 | 6.6 | 100 | 0 | 80.2 | 60-115 | 78.2 | 2.53 | 30 | |
| Dichlorodifluoromethane | 125.6 | 11 | 100 | 0 | 126 | 20-120 | 122.6 | 2.38 | 30 | S |
| Ethylbenzene | 95.45 | 5.6 | 100 | 0 | 95.4 | 76-123 | 91.3 | 4.44 | 30 | |
| Isopropylbenzene | 94.65 | 5.8 | 100 | 0 | 94.6 | 80-127 | 91.2 | 3.71 | 30 | |
| m,p-Xylene | 190.6 | 14 | 200 | 0 | 95.3 | 75-130 | 181.4 | 4.92 | 30 | |
| Methyl tert-butyl ether | 118.9 | 7.6 | 100 | 0 | 119 | 80-130 | 114 | 4.16 | 30 | |
| Methylene chloride | 106.8 | 14 | 100 | 0 | 107 | 72-125 | 103.8 | 2.9 | 30 | |
| Naphthalene | 69.55 | 13 | 100 | 0 | 69.6 | 55-160 | 62.75 | 10.3 | 30 | |
| o-Xylene | 95.6 | 5.2 | 100 | 0 | 95.6 | 80-125 | 91.4 | 4.49 | 30 | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20040234

Project: Line Kiln Landfill

QC BATCH REPORT

| Batch ID: R286287a | Instrument ID VMS11 | Method: SW8260C | | | | | | | | |
|------------------------------------|----------------------------|------------------------|------------|----------|-------------|---------------|--------------|--------------|-----------|--|
| Styrene | 94.6 | 5.6 | 100 | 0 | 94.6 | 83-137 | 90.2 | 4.76 | 30 | |
| Tetrachloroethene | 96.4 | 6.6 | 100 | 0 | 96.4 | 68-166 | 91.6 | 5.11 | 30 | |
| Tetrahydrofuran | 114.1 | 12 | 100 | 0 | 114 | 54-139 | 104.8 | 8.45 | 30 | |
| Toluene | 102.6 | 7.6 | 100 | 0 | 103 | 76-125 | 97.75 | 4.79 | 30 | |
| trans-1,2-Dichloroethene | 106.6 | 8.0 | 100 | 1.45 | 105 | 80-140 | 102.8 | 3.68 | 30 | |
| trans-1,3-Dichloropropene | 87.35 | 14 | 100 | 0 | 87.4 | 56-132 | 82.15 | 6.14 | 30 | |
| Trichloroethene | 100.8 | 7.2 | 100 | 0 | 101 | 77-125 | 96.15 | 4.77 | 30 | |
| Trichlorofluoromethane | 80.4 | 8.6 | 100 | 0 | 80.4 | 60-140 | 77.15 | 4.13 | 30 | |
| Vinyl chloride | 121.8 | 8.8 | 100 | 6.4 | 115 | 50-136 | 117.6 | 3.51 | 30 | |
| Xylenes, Total | 286.2 | 22 | 300 | 0 | 95.4 | 80-126 | 272.8 | 4.78 | 30 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>102.9</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>103</i> | <i>75-120</i> | <i>101.5</i> | <i>1.37</i> | <i>30</i> | |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>99.35</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>99.4</i> | <i>80-110</i> | <i>103.4</i> | <i>4</i> | <i>30</i> | |
| <i>Surr: Dibromofluoromethane</i> | <i>102</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>102</i> | <i>85-115</i> | <i>102.4</i> | <i>0.489</i> | <i>30</i> | |
| <i>Surr: Toluene-d8</i> | <i>100.6</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>101</i> | <i>85-110</i> | <i>99.8</i> | <i>0.798</i> | <i>30</i> | |

The following samples were analyzed in this batch:

| | | |
|--------------|--------------|--------------|
| 20040234-01A | 20040234-02A | 20040234-08A |
|--------------|--------------|--------------|

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional) Marita Stollenwerk
Contact: Marita Stollenwerk
Company: TLC
Address: 150 N. Patrick Blvd, Suite 180
Address: Brookfield, WI 53045
Phone: _____
Fax: _____
E-Mail: mstollenwerk@tlccompanies.com

Bill To (optional) _____
Contact: _____
Company: _____
Address: _____
Address: _____
Phone: _____
Fax: _____
PO#/Reference# _____

20040234 Chain of Custody Record

Lab Job #: _____
Chain of Custody Number: _____
Page _____ of _____
Temperature °C of Cooler: _____

1 of 2

| Client | | Client Project # | | Preservative | | Parameter | | Matrix | | Comments | | |
|------------------------|--------|-------------------|-----------|-------------------|-----------------|-----------|---|-----------------|--|----------|--|--|
| Village of Grafton | | 383236.00001.0001 | | 1 | | | | | | | | |
| Project Name | | Lab Project # | | Date | | Time | | # of Containers | | Matrix | | |
| Lime Kiln Landfill | | | | | | | | | | | | |
| Project Location/State | | Lab PM | | Date | | Time | | # of Containers | | Matrix | | |
| Grafton, WI | | | | | | | | | | | | |
| Sampler | | Sample ID | | Date | | Time | | # of Containers | | Matrix | | |
| A. Sobbe | | | | | | | | | | | | |
| Lab ID | MS/MSD | Sample ID | Date | Time | # of Containers | Matrix | | | | | | |
| 1 | | LH-1 | 4-1-2000 | 1140 | 3 | X | X | | | | | |
| 2 | | MWZA | 3-31-2000 | 453 ^{PM} | 1 | W | | | | | | |
| 3 | | P2B | 4-1-2000 | 1507 | | | | | | | | |
| 4 | | P3B | 4-1-2000 | 1609 | | | | | | | | |
| 5 | | P4B | 3-31-2000 | 1200 | | | | | | | | |
| 6 | | P7B | 3-30-2000 | 843 | | | | | | | | |
| 7 | | MW8A | 4-2-2000 | 858 | | | | | | | | |
| 8 | | P8B | 4-2-2000 | 1020 | | | | | | | | |
| 9 | | P9B | 4-2-2000 | 1143 | | | | | | | | |
| 10 | | P10B | 4-1-2000 | 1729 | | | | | | | | |

- Preservative Key
- HCL, Cool to 4°
 - H2SO4, Cool to 4°
 - HNO3, Cool to 4°
 - NaOH, Cool to 4°
 - NaOH/Zn, Cool to 4°
 - NaHSO4
 - Cool to 4°
 - None
 - Other

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days 10 Days ___ 15 Days ___ Other

Requested Due Date _____

Sample Disposal

Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

| | |
|---|---|
| Relinquished By: <u>Am SW</u> Company: <u>TLC</u> Date: <u>4-2-2000</u> Time: <u>1700</u> | Received By: _____ Company: _____ Date: _____ Time: _____ |
| Relinquished By: _____ Company: _____ Date: _____ Time: _____ | Received By: <u>FED EX</u> Company: _____ Date: <u>4/3/20</u> Time: <u>0900</u> |
| Relinquished By: _____ Company: _____ Date: _____ Time: _____ | Received By: _____ Company: _____ Date: _____ Time: _____ |

Lab Courier: _____
Shipped: FedEx
Hand Delivered: _____

Matrix Key
 WW - Wastewater SE - Sediment
 W - Water SO - Soil
 S - Soil L - Leachate
 SL - Sludge WI - Wipe
 MS - Miscellaneous DW - Drinking Water
 OL - Oil O - Other
 A - Air

Client Comments

Lab Comments: SP2 4.6°C

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

2 of 2

Report To (optional)
Contact: Marita Stollenwerk
Company: TRC
Address: 150 N Patrick Blvd, Suite 180
Address: Brookfield, WI 53045
Phone: _____
Fax: _____
E-Mail: MStollenwerk@TRCCompanies.com

Bill To (optional)
Contact: _____
Company: _____
Address: _____
Address: _____
Phone: _____
Fax: _____
PO#/Reference# _____

20040234 Chain of Custody Record

Lab Job #: _____
Chain of Custody Number: _____
Page _____ of _____
Temperature °C of Cooler: _____

| Client | | Client Project # | | Preservative | | Parameter | | Comments | |
|------------------------|--------|------------------------------|-----------|-----------------|-----------------|----------------|---------------|---|--|
| Village of Grafton | | 383236.0000.0001 | | 1 | | | | Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other | |
| Project Name | | Lab Project # | | # of Containers | | Matrix | | Comments | |
| Line Kiln Landfill | | | | 3 | | W | | | |
| Project Location/State | | Lab Project # | | Date | | Time | | Comments | |
| Grafton, WI | | | | 3-31-2020 | | 1630 | | | |
| Sampler | | Lab PM | | Sample ID | | Sampling | | Comments | |
| A. Sobbe | | | | PW1587LR | | 3-31-2020 1630 | | X | |
| Lab ID | MS/MSD | Sample ID | Date | Time | # of Containers | Matrix | | | |
| 11 | | PW1587LR | 3-31-2020 | 1630 | 3 | W | VOCs 8760B | | |
| 12 | | PW461HR | 3-31-2020 | 1610 | 1 | L | | | |
| 13 | | PW1530LR PW1530LR | 3-31-2020 | 1540 | 1 | L | | | |
| 14 | | PW717HC | 3-31-2020 | 1504 | 1 | L | | | |
| 15 | | Dup-1 | 4-2-2020 | - | 1 | L | | | |
| 16 | | Trip Blank | 4-2-2020 | - | 1 | W | | | |

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days 10 Days ___ 15 Days ___ Other
 Requested Due Date: _____

Sample Disposal
 Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

| | |
|--|---|
| Relinquished By: <u>AM</u> Company: <u>TRC</u> Date: <u>4-2-2020</u> Time: <u>1700</u> | Received By: _____ Company: _____ Date: _____ Time: _____ |
| Relinquished By: <u>FED EX</u> Company: <u>ACS</u> Date: <u>4/3/20</u> Time: <u>0900</u> | Received By: <u>QJL</u> Company: <u>ACS</u> Date: <u>4/3/20</u> Time: <u>0900</u> |
| Relinquished By: _____ Company: _____ Date: _____ Time: _____ | Received By: _____ Company: _____ Date: _____ Time: _____ |

Lab Courier: _____
 Shipped: FedEx
 Hand Delivered: _____

Matrix Key
 WW - Wastewater SE - Sediment
 W - Water SO - Soil
 S - Soil L - Leachate
 SL - Sludge WI - Wipe
 MS - Miscellaneous DW - Drinking Water
 OL - Oil O - Other
 A - Air

Client Comments: _____

Lab Comments: SR2 4.6"

TAL-4124-500 (1209)

Sample Receipt Checklist

Client Name: **TRC - BROOKFIELD**

Date/Time Received: **03-Apr-20 09:00**

Work Order: **20040234**

Received by: **DS**

Checklist completed by Diane Shaw 03-Apr-20
eSignature Date

Reviewed by: Chad Whelton 03-Apr-20
eSignature Date

Matrices: Water

Carrier name: FedEx

Shipping container/cooler in good condition? Yes No Not Present

Custody seals intact on shipping container/cooler? Yes No Not Present

Custody seals intact on sample bottles? Yes No Not Present

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No

Samples in proper container/bottle? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test? Yes No

All samples received within holding time? Yes No

Container/Temp Blank temperature in compliance? Yes No

Sample(s) received on ice? Yes No

Temperature(s)/Thermometer(s): 4.6/4.6 c SR2

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage: 4/3/2020 1:01:00 PM

Water - VOA vials have zero headspace? Yes No No VOA vials submitted

Water - pH acceptable upon receipt? Yes No N/A

pH adjusted? Yes No N/A

pH adjusted by:

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:



09-Jun-2020

Marita Stollenwerk
TRC Environmental Corporation
150 N. Patrick Boulevard
Suite 180
Brookfield, WI 53045

Data assessment (ALS Environmental, Holland, MI/Work Order: 20060253,):

All holding times, field and laboratory qc, and blanks met criteria, except as specified below.

LCS/MS/MSD

-The LCS recovery was above the upper control limit for Dichlorofluoromethane.

All the sample results in the batch were non-detect. No qualification is required.

Blanks: sample detections <5x blank value were flagged as nondetect ('u') at the reported limit.

- Analytes in trip blanks: Chloroform (0.61J µg/L, x5=3.05), Chloromethane (1.2J µg/L, x5=6), Tetrahydrofuran (1.6J µg/L x5=8)

P Popp, 1/22/2021

Re: **Grafton Lime Kiln LF**

Work Order: **20060253**

Dear Marita,

ALS Environmental received 8 samples on 03-Jun-2020 10:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 32.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

Report of Laboratory Analysis

Certificate No: MN 026-999-449

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Work Order: 20060253

Work Order Sample Summary

| <u>Lab Samp ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Tag Number</u> | <u>Collection Date</u> | <u>Date Received</u> | <u>Hold</u> |
|--------------------|-------------------------|---------------|-------------------|------------------------|----------------------|--------------------------|
| 20060253-01 | MW2A | Groundwater | | 6/2/2020 06:40 | 6/3/2020 10:00 | <input type="checkbox"/> |
| 20060253-02 | P2B | Groundwater | | 6/2/2020 08:10 | 6/3/2020 10:00 | <input type="checkbox"/> |
| 20060253-03 | P10B | Groundwater | | 6/2/2020 09:25 | 6/3/2020 10:00 | <input type="checkbox"/> |
| 20060253-04 | MW8A | Groundwater | | 6/2/2020 11:05 | 6/3/2020 10:00 | <input type="checkbox"/> |
| 20060253-05 | P8B | Groundwater | | 6/2/2020 12:05 | 6/3/2020 10:00 | <input type="checkbox"/> |
| 20060253-06 | PW1716LR | Groundwater | | 6/2/2020 13:00 | 6/3/2020 10:00 | <input type="checkbox"/> |
| 20060253-07 | DUP-1 | Groundwater | | 6/2/2020 | 6/3/2020 10:00 | <input type="checkbox"/> |
| 20060253-08 | Trip Blank | Water | | 6/2/2020 | 6/3/2020 10:00 | <input type="checkbox"/> |

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Work Order: 20060253

Case Narrative

Samples for the above noted Work Order were received on 06/03/2020. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, sample condition, preservation, and temperature compliance.

In order to ensure compliance with NR 149 criteria, please note the following report format:

- (1) The Limit of Detection (LOD) is reported as the MDL (Method Detection Limit)
- (2) The Limit of Quantitation (LOQ) is reported as the PQL (Practical Quantitation Limit)
- (3) All reported concentrations, including those for the LOD and LOQ, are adjusted for any required dilutions
- (4) All reported concentrations, including those for the LOD and LOQ, are adjusted for moisture content when samples are reported on a dry weight basis.

Samples were analyzed according to the analytical methodology previously documented in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Detail as to the associated samples can be found at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, acronyms, and units utilized in reporting.

With the following exceptions, all sample analyses achieved analytical criteria.

Volatile Organics

Batch R290069b, Method WI_VOC_8260_W, Sample VLCSW1-200605: The LCS recovery was above the upper control limit for Dichlorofluoromethane. All the sample results in the batch were non-detect. No qualification is required.

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
WorkOrder: 20060253

**QUALIFIERS,
ACRONYMS, UNITS**

| <u>Qualifier</u> | <u>Description</u> |
|------------------|---|
| * | Value exceeds Regulatory Limit |
| ** | Estimated Value |
| a | Analyte is non-accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| Hr | BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated. |
| J | Analyte is present at an estimated concentration between the MDL and Report Limit |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL |
| X | Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. |

| <u>Acronym</u> | <u>Description</u> |
|----------------|-------------------------------------|
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| LOD | Limit of Detection (see MDL) |
| LOQ | Limit of Quantitation (see PQL) |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| TDL | Target Detection Limit |
| TNTC | Too Numerous To Count |
| A | APHA Standard Methods |
| D | ASTM |
| E | EPA |
| SW | SW-846 Update III |

| <u>Units Reported</u> | <u>Description</u> |
|-----------------------|----------------------|
| µg/L | Micrograms per Liter |

ALS Group, USA

Date: 09-Jun-20

Client: TRC Environmental Corporation
 Project: Grafton Lime Kiln LF
 Sample ID: MW2A
 Collection Date: 6/2/2020 06:40 AM

Work Order: 20060253
 Lab ID: 20060253-01
 Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|------------|------|-----------------|--------------|-------------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: BG | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 19:20 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 6/5/2020 19:20 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 19:20 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 19:20 |
| 1,1-Dichloroethane | 9.4 | | 0.44 | 1.5 | µg/L | 1 | 6/5/2020 19:20 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 6/5/2020 19:20 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 6/5/2020 19:20 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 19:20 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 19:20 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 6/5/2020 19:20 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 6/5/2020 19:20 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 6/5/2020 19:20 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 6/5/2020 19:20 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 6/5/2020 19:20 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 6/5/2020 19:20 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 6/5/2020 19:20 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 6/5/2020 19:20 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 19:20 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 6/5/2020 19:20 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 19:20 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 6/5/2020 19:20 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 19:20 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 19:20 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 6/5/2020 19:20 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 6/5/2020 19:20 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 6/5/2020 19:20 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 6/5/2020 19:20 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 6/5/2020 19:20 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 6/5/2020 19:20 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 6/5/2020 19:20 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 19:20 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 6/5/2020 19:20 |
| cis-1,2-Dichloroethene | 7.0 | | 0.42 | 1.4 | µg/L | 1 | 6/5/2020 19:20 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 6/5/2020 19:20 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 6/5/2020 19:20 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 6/5/2020 19:20 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 6/5/2020 19:20 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 6/5/2020 19:20 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 09-Jun-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: MW2A
Collection Date: 6/2/2020 06:40 AM

Work Order: 20060253
Lab ID: 20060253-01
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|-------------|----------|-------------|--------------|-------------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 6/5/2020 19:20 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 6/5/2020 19:20 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 6/5/2020 19:20 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 19:20 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 6/5/2020 19:20 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 6/5/2020 19:20 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 6/5/2020 19:20 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 6/5/2020 19:20 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 6/5/2020 19:20 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 6/5/2020 19:20 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 6/5/2020 19:20 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 19:20 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 6/5/2020 19:20 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 6/5/2020 19:20 |
| Trichloroethene | 6.6 | | 0.43 | 1.4 | µg/L | 1 | 6/5/2020 19:20 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 19:20 |
| Vinyl chloride | 0.87 | J | 0.53 | 1.8 | µg/L | 1 | 6/5/2020 19:20 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 6/5/2020 19:20 |
| Surr: 1,2-Dichloroethane-d4 | 105 | | | 75-120 | %REC | 1 | 6/5/2020 19:20 |
| Surr: 4-Bromofluorobenzene | 93.0 | | | 80-110 | %REC | 1 | 6/5/2020 19:20 |
| Surr: Dibromofluoromethane | 99.6 | | | 85-115 | %REC | 1 | 6/5/2020 19:20 |
| Surr: Toluene-d8 | 93.0 | | | 85-110 | %REC | 1 | 6/5/2020 19:20 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 09-Jun-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: P2B
Collection Date: 6/2/2020 08:10 AM

Work Order: 20060253
Lab ID: 20060253-02
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|-------------|------|-----------------|--------------|-------------|--------------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: BG | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 19:44 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 6/5/2020 19:44 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 19:44 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 19:44 |
| 1,1-Dichloroethane | 3.2 | | 0.44 | 1.5 | µg/L | 1 | 6/5/2020 19:44 |
| 1,1-Dichloroethene | 0.64 | J | 0.40 | 1.4 | µg/L | 1 | 6/5/2020 19:44 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 6/5/2020 19:44 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 19:44 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 19:44 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 6/5/2020 19:44 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 6/5/2020 19:44 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 6/5/2020 19:44 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 6/5/2020 19:44 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 6/5/2020 19:44 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 6/5/2020 19:44 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 6/5/2020 19:44 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 6/5/2020 19:44 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 19:44 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 6/5/2020 19:44 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 19:44 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 6/5/2020 19:44 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 19:44 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 19:44 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 6/5/2020 19:44 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 6/5/2020 19:44 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 6/5/2020 19:44 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 6/5/2020 19:44 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 6/5/2020 19:44 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 6/5/2020 19:44 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 6/5/2020 19:44 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 19:44 |
| Chloromethane | 1.4 | J | 0.83 | 2.8 | µg/L | 1 | 6/5/2020 19:44 |
| cis-1,2-Dichloroethene | 120 | | 2.1 | 6.9 | µg/L | 5 | 6/8/2020 14:49 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 6/5/2020 19:44 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 6/5/2020 19:44 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 6/5/2020 19:44 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 6/5/2020 19:44 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 6/5/2020 19:44 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 09-Jun-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: P2B
Collection Date: 6/2/2020 08:10 AM

Work Order: 20060253
Lab ID: 20060253-02
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|---------------------------------|------------|------|-------------|--------------|-------------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 6/5/2020 19:44 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 6/5/2020 19:44 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 6/5/2020 19:44 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 19:44 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 6/5/2020 19:44 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 6/5/2020 19:44 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 6/5/2020 19:44 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 6/5/2020 19:44 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 6/5/2020 19:44 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 6/5/2020 19:44 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 6/5/2020 19:44 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 19:44 |
| trans-1,2-Dichloroethene | 2.0 | | 0.48 | 1.6 | µg/L | 1 | 6/5/2020 19:44 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 6/5/2020 19:44 |
| Trichloroethene | 41 | | 0.43 | 1.4 | µg/L | 1 | 6/5/2020 19:44 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 19:44 |
| Vinyl chloride | 59 | | 0.53 | 1.8 | µg/L | 1 | 6/5/2020 19:44 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 6/5/2020 19:44 |
| Surr: 1,2-Dichloroethane-d4 | 101 | | | 75-120 | %REC | 1 | 6/5/2020 19:44 |
| Surr: 1,2-Dichloroethane-d4 | 103 | | | 75-120 | %REC | 5 | 6/8/2020 14:49 |
| Surr: 4-Bromofluorobenzene | 91.2 | | | 80-110 | %REC | 1 | 6/5/2020 19:44 |
| Surr: 4-Bromofluorobenzene | 95.0 | | | 80-110 | %REC | 5 | 6/8/2020 14:49 |
| Surr: Dibromofluoromethane | 93.4 | | | 85-115 | %REC | 1 | 6/5/2020 19:44 |
| Surr: Dibromofluoromethane | 98.4 | | | 85-115 | %REC | 5 | 6/8/2020 14:49 |
| Surr: Toluene-d8 | 98.4 | | | 85-110 | %REC | 1 | 6/5/2020 19:44 |
| Surr: Toluene-d8 | 95.8 | | | 85-110 | %REC | 5 | 6/8/2020 14:49 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 09-Jun-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: P10B
Collection Date: 6/2/2020 09:25 AM

Work Order: 20060253
Lab ID: 20060253-03
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|---------------------------------------|-------------|----------|------------------------|--------------|-------------|--------------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: BG | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 20:07 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 6/5/2020 20:07 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 20:07 |
| 1,1,2-Trichlorotrifluoroethane | 29 | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 20:07 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 6/5/2020 20:07 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 6/5/2020 20:07 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 6/5/2020 20:07 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 20:07 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 20:07 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 6/5/2020 20:07 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 6/5/2020 20:07 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 6/5/2020 20:07 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 6/5/2020 20:07 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 6/5/2020 20:07 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 6/5/2020 20:07 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 6/5/2020 20:07 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 6/5/2020 20:07 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 20:07 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 6/5/2020 20:07 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 20:07 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 6/5/2020 20:07 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 20:07 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 20:07 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 6/5/2020 20:07 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 6/5/2020 20:07 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 6/5/2020 20:07 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 6/5/2020 20:07 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 6/5/2020 20:07 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 6/5/2020 20:07 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 6/5/2020 20:07 |
| Chloroform | 0.62 | J | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 20:07 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 6/5/2020 20:07 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 6/5/2020 20:07 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 6/5/2020 20:07 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 6/5/2020 20:07 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 6/5/2020 20:07 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 6/5/2020 20:07 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 6/5/2020 20:07 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 09-Jun-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: P10B
Collection Date: 6/2/2020 09:25 AM

Work Order: 20060253
Lab ID: 20060253-03
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|------------|------|-------------|--------------|-------------|-----------------|----------------|
| Isopropylbenzene | | U | 0.35 | 1.2 | µg/L | 1 | 6/5/2020 20:07 |
| m,p-Xylene | | U | 0.81 | 2.7 | µg/L | 1 | 6/5/2020 20:07 |
| Methyl acetate | | U | 0.59 | 2.0 | µg/L | 1 | 6/5/2020 20:07 |
| Methyl tert-butyl ether | | U | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 20:07 |
| Methylcyclohexane | | U | 0.35 | 1.2 | µg/L | 1 | 6/5/2020 20:07 |
| Methylene chloride | | U | 0.86 | 2.9 | µg/L | 1 | 6/5/2020 20:07 |
| Naphthalene | | U | 0.77 | 2.6 | µg/L | 1 | 6/5/2020 20:07 |
| o-Xylene | | U | 0.31 | 1.0 | µg/L | 1 | 6/5/2020 20:07 |
| Styrene | | U | 0.33 | 1.1 | µg/L | 1 | 6/5/2020 20:07 |
| Tetrachloroethene | | U | 0.39 | 1.3 | µg/L | 1 | 6/5/2020 20:07 |
| Tetrahydrofuran | | U | 0.73 | 2.4 | µg/L | 1 | 6/5/2020 20:07 |
| Toluene | | U | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 20:07 |
| trans-1,2-Dichloroethene | | U | 0.48 | 1.6 | µg/L | 1 | 6/5/2020 20:07 |
| trans-1,3-Dichloropropene | | U | 0.38 | 2.7 | µg/L | 1 | 6/5/2020 20:07 |
| Trichloroethene | 1.5 | | 0.43 | 1.4 | µg/L | 1 | 6/5/2020 20:07 |
| Trichlorofluoromethane | | U | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 20:07 |
| Vinyl chloride | | U | 0.53 | 1.8 | µg/L | 1 | 6/5/2020 20:07 |
| Xylenes, Total | | U | 0.81 | 4.4 | µg/L | 1 | 6/5/2020 20:07 |
| Surr: 1,2-Dichloroethane-d4 | 104 | | | 75-120 | %REC | 1 | 6/5/2020 20:07 |
| Surr: 4-Bromofluorobenzene | 93.2 | | | 80-110 | %REC | 1 | 6/5/2020 20:07 |
| Surr: Dibromofluoromethane | 96.8 | | | 85-115 | %REC | 1 | 6/5/2020 20:07 |
| Surr: Toluene-d8 | 97.4 | | | 85-110 | %REC | 1 | 6/5/2020 20:07 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 09-Jun-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: MW8A
Collection Date: 6/2/2020 11:05 AM

Work Order: 20060253
Lab ID: 20060253-04
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|-------------|------|-----------------|--------------|-------------|--------------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: BG | |
| 1,1,1-Trichloroethane | 0.71 | J | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 20:31 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 6/5/2020 20:31 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 20:31 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 20:31 |
| 1,1-Dichloroethane | 6.6 | | 0.44 | 1.5 | µg/L | 1 | 6/5/2020 20:31 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 6/5/2020 20:31 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 6/5/2020 20:31 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 20:31 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 20:31 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 6/5/2020 20:31 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 6/5/2020 20:31 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 6/5/2020 20:31 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 6/5/2020 20:31 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 6/5/2020 20:31 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 6/5/2020 20:31 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 6/5/2020 20:31 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 6/5/2020 20:31 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 20:31 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 6/5/2020 20:31 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 20:31 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 6/5/2020 20:31 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 20:31 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 20:31 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 6/5/2020 20:31 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 6/5/2020 20:31 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 6/5/2020 20:31 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 6/5/2020 20:31 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 6/5/2020 20:31 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 6/5/2020 20:31 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 6/5/2020 20:31 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 20:31 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 6/5/2020 20:31 |
| cis-1,2-Dichloroethene | 54 | | 0.42 | 1.4 | µg/L | 1 | 6/5/2020 20:31 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 6/5/2020 20:31 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 6/5/2020 20:31 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 6/5/2020 20:31 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 6/5/2020 20:31 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 6/5/2020 20:31 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 09-Jun-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: MW8A
Collection Date: 6/2/2020 11:05 AM

Work Order: 20060253
Lab ID: 20060253-04
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|------------|------|-------------|--------------|-------------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 6/5/2020 20:31 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 6/5/2020 20:31 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 6/5/2020 20:31 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 20:31 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 6/5/2020 20:31 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 6/5/2020 20:31 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 6/5/2020 20:31 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 6/5/2020 20:31 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 6/5/2020 20:31 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 6/5/2020 20:31 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 6/5/2020 20:31 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 20:31 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 6/5/2020 20:31 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 6/5/2020 20:31 |
| Trichloroethene | 6.8 | | 0.43 | 1.4 | µg/L | 1 | 6/5/2020 20:31 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 20:31 |
| Vinyl chloride | 1.3 | J | 0.53 | 1.8 | µg/L | 1 | 6/5/2020 20:31 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 6/5/2020 20:31 |
| Surr: 1,2-Dichloroethane-d4 | 100 | | | 75-120 | %REC | 1 | 6/5/2020 20:31 |
| Surr: 4-Bromofluorobenzene | 92.9 | | | 80-110 | %REC | 1 | 6/5/2020 20:31 |
| Surr: Dibromofluoromethane | 95.4 | | | 85-115 | %REC | 1 | 6/5/2020 20:31 |
| Surr: Toluene-d8 | 100 | | | 85-110 | %REC | 1 | 6/5/2020 20:31 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 09-Jun-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: P8B
Collection Date: 6/2/2020 12:05 PM

Work Order: 20060253
Lab ID: 20060253-05
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|-------|--------------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: BG | |
| 1,1,1-Trichloroethane | 1.1 | J | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 20:55 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 6/5/2020 20:55 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 20:55 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 20:55 |
| 1,1-Dichloroethane | 5.2 | | 0.44 | 1.5 | µg/L | 1 | 6/5/2020 20:55 |
| 1,1-Dichloroethene | 1.5 | | 0.40 | 1.4 | µg/L | 1 | 6/5/2020 20:55 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 6/5/2020 20:55 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 20:55 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 20:55 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 6/5/2020 20:55 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 6/5/2020 20:55 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 6/5/2020 20:55 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 6/5/2020 20:55 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 6/5/2020 20:55 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 6/5/2020 20:55 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 6/5/2020 20:55 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 6/5/2020 20:55 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 20:55 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 6/5/2020 20:55 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 20:55 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 6/5/2020 20:55 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 20:55 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 20:55 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 6/5/2020 20:55 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 6/5/2020 20:55 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 6/5/2020 20:55 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 6/5/2020 20:55 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 6/5/2020 20:55 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 6/5/2020 20:55 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 6/5/2020 20:55 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 20:55 |
| Chloromethane | 0.91 | J | 0.83 | 2.8 | µg/L | 1 | 6/5/2020 20:55 |
| cis-1,2-Dichloroethene | 51 | | 0.42 | 1.4 | µg/L | 1 | 6/5/2020 20:55 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 6/5/2020 20:55 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 6/5/2020 20:55 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 6/5/2020 20:55 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 6/5/2020 20:55 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 6/5/2020 20:55 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 09-Jun-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: P8B
Collection Date: 6/2/2020 12:05 PM

Work Order: 20060253
Lab ID: 20060253-05
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|---------------------------------|-------------|----------|-------------|--------------|-------------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 6/5/2020 20:55 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 6/5/2020 20:55 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 6/5/2020 20:55 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 20:55 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 6/5/2020 20:55 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 6/5/2020 20:55 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 6/5/2020 20:55 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 6/5/2020 20:55 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 6/5/2020 20:55 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 6/5/2020 20:55 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 6/5/2020 20:55 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 20:55 |
| trans-1,2-Dichloroethene | 0.71 | J | 0.48 | 1.6 | µg/L | 1 | 6/5/2020 20:55 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 6/5/2020 20:55 |
| Trichloroethene | 98 | | 2.2 | 7.2 | µg/L | 5 | 6/8/2020 15:13 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 20:55 |
| Vinyl chloride | 4.1 | | 0.53 | 1.8 | µg/L | 1 | 6/5/2020 20:55 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 6/5/2020 20:55 |
| Surr: 1,2-Dichloroethane-d4 | 101 | | | 75-120 | %REC | 1 | 6/5/2020 20:55 |
| Surr: 1,2-Dichloroethane-d4 | 101 | | | 75-120 | %REC | 5 | 6/8/2020 15:13 |
| Surr: 4-Bromofluorobenzene | 96.0 | | | 80-110 | %REC | 1 | 6/5/2020 20:55 |
| Surr: 4-Bromofluorobenzene | 91.5 | | | 80-110 | %REC | 5 | 6/8/2020 15:13 |
| Surr: Dibromofluoromethane | 104 | | | 85-115 | %REC | 1 | 6/5/2020 20:55 |
| Surr: Dibromofluoromethane | 97.6 | | | 85-115 | %REC | 5 | 6/8/2020 15:13 |
| Surr: Toluene-d8 | 100 | | | 85-110 | %REC | 1 | 6/5/2020 20:55 |
| Surr: Toluene-d8 | 99.4 | | | 85-110 | %REC | 5 | 6/8/2020 15:13 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 09-Jun-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: PW1716LR
Collection Date: 6/2/2020 01:00 PM

Work Order: 20060253
Lab ID: 20060253-06
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|------------------------|--------------|-------|--------------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: BG | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 21:19 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 6/5/2020 21:19 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 21:19 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 21:19 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 6/5/2020 21:19 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 6/5/2020 21:19 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 6/5/2020 21:19 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 21:19 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 21:19 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 6/5/2020 21:19 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 6/5/2020 21:19 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 6/5/2020 21:19 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 6/5/2020 21:19 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 6/5/2020 21:19 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 6/5/2020 21:19 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 6/5/2020 21:19 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 6/5/2020 21:19 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 21:19 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 6/5/2020 21:19 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 21:19 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 6/5/2020 21:19 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 21:19 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 21:19 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 6/5/2020 21:19 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 6/5/2020 21:19 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 6/5/2020 21:19 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 6/5/2020 21:19 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 6/5/2020 21:19 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 6/5/2020 21:19 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 6/5/2020 21:19 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 21:19 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 6/5/2020 21:19 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 6/5/2020 21:19 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 6/5/2020 21:19 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 6/5/2020 21:19 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 6/5/2020 21:19 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 6/5/2020 21:19 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 6/5/2020 21:19 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 09-Jun-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: PW1716LR
Collection Date: 6/2/2020 01:00 PM

Work Order: 20060253
Lab ID: 20060253-06
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|--------|------|------|--------------|-------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 6/5/2020 21:19 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 6/5/2020 21:19 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 6/5/2020 21:19 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 21:19 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 6/5/2020 21:19 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 6/5/2020 21:19 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 6/5/2020 21:19 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 6/5/2020 21:19 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 6/5/2020 21:19 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 6/5/2020 21:19 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 6/5/2020 21:19 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 21:19 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 6/5/2020 21:19 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 6/5/2020 21:19 |
| Trichloroethene | U | | 0.43 | 1.4 | µg/L | 1 | 6/5/2020 21:19 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 21:19 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 6/5/2020 21:19 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 6/5/2020 21:19 |
| Surr: 1,2-Dichloroethane-d4 | 102 | | | 75-120 | %REC | 1 | 6/5/2020 21:19 |
| Surr: 4-Bromofluorobenzene | 94.6 | | | 80-110 | %REC | 1 | 6/5/2020 21:19 |
| Surr: Dibromofluoromethane | 93.2 | | | 85-115 | %REC | 1 | 6/5/2020 21:19 |
| Surr: Toluene-d8 | 97.4 | | | 85-110 | %REC | 1 | 6/5/2020 21:19 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 09-Jun-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: DUP-1
Collection Date: 6/2/2020

Work Order: 20060253
Lab ID: 20060253-07
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|-------------|------|-----------------|--------------|-------------|--------------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: BG | |
| 1,1,1-Trichloroethane | 0.89 | J | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 21:43 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 6/5/2020 21:43 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 21:43 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 21:43 |
| 1,1-Dichloroethane | 5.5 | | 0.44 | 1.5 | µg/L | 1 | 6/5/2020 21:43 |
| 1,1-Dichloroethene | 1.3 | J | 0.40 | 1.4 | µg/L | 1 | 6/5/2020 21:43 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 6/5/2020 21:43 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 21:43 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 21:43 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 6/5/2020 21:43 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 6/5/2020 21:43 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 6/5/2020 21:43 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 6/5/2020 21:43 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 6/5/2020 21:43 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 6/5/2020 21:43 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 6/5/2020 21:43 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 6/5/2020 21:43 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 21:43 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 6/5/2020 21:43 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 21:43 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 6/5/2020 21:43 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 21:43 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 21:43 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 6/5/2020 21:43 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 6/5/2020 21:43 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 6/5/2020 21:43 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 6/5/2020 21:43 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 6/5/2020 21:43 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 6/5/2020 21:43 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 6/5/2020 21:43 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 21:43 |
| Chloromethane | 1.0 | J | 0.83 | 2.8 | µg/L | 1 | 6/5/2020 21:43 |
| cis-1,2-Dichloroethene | 54 | | 0.42 | 1.4 | µg/L | 1 | 6/5/2020 21:43 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 6/5/2020 21:43 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 6/5/2020 21:43 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 6/5/2020 21:43 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 6/5/2020 21:43 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 6/5/2020 21:43 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 09-Jun-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: DUP-1
Collection Date: 6/2/2020

Work Order: 20060253
Lab ID: 20060253-07
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|---------------------------------|-------------|------|-------------|--------------|-------------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 6/5/2020 21:43 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 6/5/2020 21:43 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 6/5/2020 21:43 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 21:43 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 6/5/2020 21:43 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 6/5/2020 21:43 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 6/5/2020 21:43 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 6/5/2020 21:43 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 6/5/2020 21:43 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 6/5/2020 21:43 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 6/5/2020 21:43 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 21:43 |
| trans-1,2-Dichloroethene | 0.82 | J | 0.48 | 1.6 | µg/L | 1 | 6/5/2020 21:43 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 6/5/2020 21:43 |
| Trichloroethene | 110 | | 2.2 | 7.2 | µg/L | 5 | 6/8/2020 15:37 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 21:43 |
| Vinyl chloride | 4.5 | | 0.53 | 1.8 | µg/L | 1 | 6/5/2020 21:43 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 6/5/2020 21:43 |
| Surr: 1,2-Dichloroethane-d4 | 101 | | | 75-120 | %REC | 1 | 6/5/2020 21:43 |
| Surr: 1,2-Dichloroethane-d4 | 99.5 | | | 75-120 | %REC | 5 | 6/8/2020 15:37 |
| Surr: 4-Bromofluorobenzene | 96.4 | | | 80-110 | %REC | 1 | 6/5/2020 21:43 |
| Surr: 4-Bromofluorobenzene | 91.6 | | | 80-110 | %REC | 5 | 6/8/2020 15:37 |
| Surr: Dibromofluoromethane | 94.7 | | | 85-115 | %REC | 1 | 6/5/2020 21:43 |
| Surr: Dibromofluoromethane | 91.0 | | | 85-115 | %REC | 5 | 6/8/2020 15:37 |
| Surr: Toluene-d8 | 98.0 | | | 85-110 | %REC | 1 | 6/5/2020 21:43 |
| Surr: Toluene-d8 | 96.8 | | | 85-110 | %REC | 5 | 6/8/2020 15:37 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 09-Jun-20

Client: TRC Environmental Corporation
 Project: Grafton Lime Kiln LF
 Sample ID: Trip Blank
 Collection Date: 6/2/2020

Work Order: 20060253
 Lab ID: 20060253-08
 Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|-------------|----------|-----------------|--------------|-------------|-----------------|-----------------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: BG | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 18:56 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 6/5/2020 18:56 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 18:56 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 18:56 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 6/5/2020 18:56 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 6/5/2020 18:56 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 6/5/2020 18:56 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 18:56 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 18:56 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 6/5/2020 18:56 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 6/5/2020 18:56 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 6/5/2020 18:56 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 6/5/2020 18:56 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 6/5/2020 18:56 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 6/5/2020 18:56 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 6/5/2020 18:56 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 6/5/2020 18:56 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 18:56 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 6/5/2020 18:56 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 18:56 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 6/5/2020 18:56 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 18:56 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 18:56 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 6/5/2020 18:56 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 6/5/2020 18:56 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 6/5/2020 18:56 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 6/5/2020 18:56 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 6/5/2020 18:56 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 6/5/2020 18:56 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 6/5/2020 18:56 |
| Chloroform | 0.61 | J | 0.46 | 1.5 | µg/L | 1 | 6/5/2020 18:56 |
| Chloromethane | 1.2 | J | 0.83 | 2.8 | µg/L | 1 | 6/5/2020 18:56 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 6/5/2020 18:56 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 6/5/2020 18:56 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 6/5/2020 18:56 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 6/5/2020 18:56 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 6/5/2020 18:56 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 6/5/2020 18:56 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 09-Jun-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: Trip Blank
Collection Date: 6/2/2020

Work Order: 20060253
Lab ID: 20060253-08
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|------------|----------|-------------|--------------|-------------|-----------------|-----------------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 6/5/2020 18:56 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 6/5/2020 18:56 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 6/5/2020 18:56 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 18:56 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 6/5/2020 18:56 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 6/5/2020 18:56 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 6/5/2020 18:56 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 6/5/2020 18:56 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 6/5/2020 18:56 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 6/5/2020 18:56 |
| Tetrahydrofuran | 1.6 | J | 0.73 | 2.4 | µg/L | 1 | 6/5/2020 18:56 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 6/5/2020 18:56 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 6/5/2020 18:56 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 6/5/2020 18:56 |
| Trichloroethene | U | | 0.43 | 1.4 | µg/L | 1 | 6/5/2020 18:56 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 6/5/2020 18:56 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 6/5/2020 18:56 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 6/5/2020 18:56 |
| Surr: 1,2-Dichloroethane-d4 | 100 | | | 75-120 | %REC | 1 | 6/5/2020 18:56 |
| Surr: 4-Bromofluorobenzene | 88.1 | | | 80-110 | %REC | 1 | 6/5/2020 18:56 |
| Surr: Dibromofluoromethane | 96.6 | | | 85-115 | %REC | 1 | 6/5/2020 18:56 |
| Surr: Toluene-d8 | 95.2 | | | 85-110 | %REC | 1 | 6/5/2020 18:56 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: TRC Environmental Corporation
Work Order: 20060253
Project: Grafton Lime Kiln LF

QC BATCH REPORT

Batch ID: **R290069b** Instrument ID **VMS6** Method: **SW8260C**

| MBLK | | Sample ID: VBLKW1-200605-R290069b | | | Units: µg/L | | Analysis Date: 6/5/2020 04:43 PM | | | |
|--------------------------------|--------|--|---------|---------------|-----------------------|---------------|---|------|--------------|------|
| Client ID: | | Run ID: VMS6_200605A | | | SeqNo: 6464748 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | U | 1.5 | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | U | 1.3 | | | | | | | | |
| 1,1,2-Trichloroethane | U | 1.5 | | | | | | | | |
| 1,1,2-Trichlorotrifluoroethane | U | 1.7 | | | | | | | | |
| 1,1-Dichloroethane | U | 1.5 | | | | | | | | |
| 1,1-Dichloroethene | U | 1.4 | | | | | | | | |
| 1,2,3-Trichlorobenzene | U | 1.4 | | | | | | | | |
| 1,2,4-Trichlorobenzene | U | 1.5 | | | | | | | | |
| 1,2,4-Trimethylbenzene | U | 1.5 | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | U | 1.4 | | | | | | | | |
| 1,2-Dibromoethane | U | 1.4 | | | | | | | | |
| 1,2-Dichlorobenzene | U | 1.1 | | | | | | | | |
| 1,2-Dichloroethane | U | 1.4 | | | | | | | | |
| 1,2-Dichloropropane | U | 1.6 | | | | | | | | |
| 1,3,5-Trimethylbenzene | U | 2.2 | | | | | | | | |
| 1,3-Dichlorobenzene | U | 1.1 | | | | | | | | |
| 1,4-Dichlorobenzene | U | 1.2 | | | | | | | | |
| 2-Butanone | U | 1.7 | | | | | | | | |
| 2-Hexanone | U | 2.0 | | | | | | | | |
| 4-Methyl-2-pentanone | U | 1.7 | | | | | | | | |
| Acetone | U | 21 | | | | | | | | |
| Benzene | U | 1.5 | | | | | | | | |
| Bromochloromethane | U | 1.5 | | | | | | | | |
| Bromodichloromethane | U | 1.6 | | | | | | | | |
| Bromoform | U | 1.9 | | | | | | | | |
| Bromomethane | U | 3.0 | | | | | | | | |
| Carbon disulfide | U | 1.6 | | | | | | | | |
| Carbon tetrachloride | U | 1.4 | | | | | | | | |
| Chlorobenzene | U | 1.3 | | | | | | | | |
| Chloroethane | U | 2.3 | | | | | | | | |
| Chloroform | U | 1.5 | | | | | | | | |
| Chloromethane | U | 2.8 | | | | | | | | |
| cis-1,2-Dichloroethene | U | 1.4 | | | | | | | | |
| cis-1,3-Dichloropropene | U | 1.9 | | | | | | | | |
| Cyclohexane | U | 2.1 | | | | | | | | |
| Dibromochloromethane | U | 1.3 | | | | | | | | |
| Dichlorodifluoromethane | U | 2.3 | | | | | | | | |
| Ethylbenzene | U | 1.1 | | | | | | | | |
| Isopropylbenzene | U | 1.2 | | | | | | | | |
| m,p-Xylene | U | 2.7 | | | | | | | | |
| Methyl acetate | U | 2.0 | | | | | | | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20060253

Project: Grafton Lime Kiln LF

QC BATCH REPORT

Batch ID: **R290069b** Instrument ID **VMS6** Method: **SW8260C**

| | | | | | | | | |
|------------------------------------|--------------|----------|-----------|----------|-------------|---------------|----------|----------|
| Methyl tert-butyl ether | U | 1.5 | | | | | | |
| Methylcyclohexane | U | 1.2 | | | | | | |
| Methylene chloride | U | 2.9 | | | | | | |
| Naphthalene | U | 2.6 | | | | | | |
| o-Xylene | U | 1.0 | | | | | | |
| Styrene | U | 1.1 | | | | | | |
| Tetrachloroethene | U | 1.3 | | | | | | |
| Tetrahydrofuran | U | 2.4 | | | | | | |
| Toluene | U | 1.5 | | | | | | |
| trans-1,2-Dichloroethene | U | 1.6 | | | | | | |
| trans-1,3-Dichloropropene | U | 2.7 | | | | | | |
| Trichloroethene | U | 1.4 | | | | | | |
| Trichlorofluoromethane | U | 1.7 | | | | | | |
| Vinyl chloride | U | 1.8 | | | | | | |
| Xylenes, Total | U | 4.4 | | | | | | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>19.56</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>97.8</i> | <i>75-120</i> | <i>0</i> | <i>0</i> |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>18.99</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>95</i> | <i>80-110</i> | <i>0</i> | <i>0</i> |
| <i>Surr: Dibromofluoromethane</i> | <i>17.95</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>89.8</i> | <i>85-115</i> | <i>0</i> | <i>0</i> |
| <i>Surr: Toluene-d8</i> | <i>19.66</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>98.3</i> | <i>85-110</i> | <i>0</i> | <i>0</i> |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation
 Work Order: 20060253
 Project: Grafton Lime Kiln LF

QC BATCH REPORT

Batch ID: **R290069b** Instrument ID **VMS6** Method: **SW8260C**

| LCS | | Sample ID: VLCSW1-200605-R290069b | | | | Units: µg/L | | Analysis Date: 6/5/2020 03:55 PM | | |
|-----------------------------|--------|--|---------|---------------|-----------------------|--------------------|---------------|---|--------------|------|
| Client ID: | | Run ID: VMS6_200605A | | | SeqNo: 6464746 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | 18.6 | 1.5 | 20 | 0 | 93 | 75-130 | 0 | | | |
| 1,1,2,2-Tetrachloroethane | 20.15 | 1.3 | 20 | 0 | 101 | 75-130 | 0 | | | |
| 1,1,2-Trichloroethane | 19.63 | 1.5 | 20 | 0 | 98.2 | 75-125 | 0 | | | |
| 1,1-Dichloroethane | 19.76 | 1.5 | 20 | 0 | 98.8 | 75-133 | 0 | | | |
| 1,1-Dichloroethene | 21.52 | 1.4 | 20 | 0 | 108 | 70-145 | 0 | | | |
| 1,2,3-Trichlorobenzene | 20.38 | 1.4 | 20 | 0 | 102 | 70-140 | 0 | | | |
| 1,2,4-Trichlorobenzene | 20.43 | 1.5 | 20 | 0 | 102 | 70-135 | 0 | | | |
| 1,2,4-Trimethylbenzene | 19.58 | 1.5 | 20 | 0 | 97.9 | 75-130 | 0 | | | |
| 1,2-Dibromo-3-chloropropane | 18.1 | 1.4 | 20 | 0 | 90.5 | 60-130 | 0 | | | |
| 1,2-Dibromoethane | 21.15 | 1.4 | 20 | 0 | 106 | 90-195 | 0 | | | |
| 1,2-Dichlorobenzene | 19.63 | 1.1 | 20 | 0 | 98.2 | 70-130 | 0 | | | |
| 1,2-Dichloroethane | 18.13 | 1.4 | 20 | 0 | 90.6 | 78-125 | 0 | | | |
| 1,2-Dichloropropane | 19.86 | 1.6 | 20 | 0 | 99.3 | 75-125 | 0 | | | |
| 1,3,5-Trimethylbenzene | 19.67 | 2.2 | 20 | 0 | 98.4 | 75-130 | 0 | | | |
| 1,3-Dichlorobenzene | 20.46 | 1.1 | 20 | 0 | 102 | 75-130 | 0 | | | |
| 1,4-Dichlorobenzene | 19.01 | 1.2 | 20 | 0 | 95 | 75-130 | 0 | | | |
| 2-Butanone | 19.65 | 1.7 | 20 | 0 | 98.2 | 55-150 | 0 | | | |
| 2-Hexanone | 20.16 | 2.0 | 20 | 0 | 101 | 60-135 | 0 | | | |
| 4-Methyl-2-pentanone | 30.02 | 1.7 | 20 | 0 | 150 | 77-178 | 0 | | | |
| Acetone | 24.43 | 21 | 20 | 0 | 122 | 60-160 | 0 | | | |
| Benzene | 18.09 | 1.5 | 20 | 0 | 90.4 | 70-130 | 0 | | | |
| Bromochloromethane | 18.39 | 1.5 | 20 | 0 | 92 | 72-141 | 0 | | | |
| Bromodichloromethane | 19.34 | 1.6 | 20 | 0 | 96.7 | 75-125 | 0 | | | |
| Bromoform | 16.81 | 1.9 | 20 | 0 | 84 | 60-125 | 0 | | | |
| Bromomethane | 29.26 | 3.0 | 20 | 0 | 146 | 30-185 | 0 | | | |
| Carbon disulfide | 22.51 | 1.6 | 20 | 0 | 113 | 60-165 | 0 | | | |
| Carbon tetrachloride | 16.89 | 1.4 | 20 | 0 | 84.4 | 65-140 | 0 | | | |
| Chlorobenzene | 19.09 | 1.3 | 20 | 0 | 95.4 | 80-120 | 0 | | | |
| Chloroethane | 21.74 | 2.3 | 20 | 0 | 109 | 31-172 | 0 | | | |
| Chloroform | 18.86 | 1.5 | 20 | 0 | 94.3 | 66-135 | 0 | | | |
| Chloromethane | 22.45 | 2.8 | 20 | 0 | 112 | 46-148 | 0 | | | |
| cis-1,2-Dichloroethene | 20.02 | 1.4 | 20 | 0 | 100 | 75-134 | 0 | | | |
| cis-1,3-Dichloropropene | 19.48 | 1.9 | 20 | 0 | 97.4 | 70-130 | 0 | | | |
| Dibromochloromethane | 18.22 | 1.3 | 20 | 0 | 91.1 | 60-115 | 0 | | | |
| Dichlorodifluoromethane | 24.93 | 2.3 | 20 | 0 | 125 | 20-120 | 0 | | | S |
| Ethylbenzene | 19.54 | 1.1 | 20 | 0 | 97.7 | 76-123 | 0 | | | |
| Isopropylbenzene | 19.78 | 1.2 | 20 | 0 | 98.9 | 80-127 | 0 | | | |
| m,p-Xylene | 39.68 | 2.7 | 40 | 0 | 99.2 | 75-130 | 0 | | | |
| Methyl tert-butyl ether | 20.28 | 1.5 | 20 | 0 | 101 | 80-130 | 0 | | | |
| Methylene chloride | 19.67 | 2.9 | 20 | 0 | 98.4 | 72-125 | 0 | | | |
| Naphthalene | 20.3 | 2.6 | 20 | 0 | 102 | 55-160 | 0 | | | |
| o-Xylene | 20.5 | 1.0 | 20 | 0 | 102 | 80-125 | 0 | | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20060253

Project: Grafton Lime Kiln LF

QC BATCH REPORT

| | | | | | | | |
|------------------------------------|---------------------------|------------------------|-----------|----------|-------------|---------------|----------|
| Batch ID: R290069b | Instrument ID VMS6 | Method: SW8260C | | | | | |
| Styrene | 20.16 | 1.1 | 20 | 0 | 101 | 83-137 | 0 |
| Tetrachloroethene | 20.25 | 1.3 | 20 | 0 | 101 | 68-166 | 0 |
| Tetrahydrofuran | 20 | 2.4 | 20 | 0 | 100 | 54-139 | 0 |
| Toluene | 19.45 | 1.5 | 20 | 0 | 97.2 | 76-125 | 0 |
| trans-1,2-Dichloroethene | 20.18 | 1.6 | 20 | 0 | 101 | 80-140 | 0 |
| trans-1,3-Dichloropropene | 19.04 | 2.7 | 20 | 0 | 95.2 | 56-132 | 0 |
| Trichloroethene | 18.83 | 1.4 | 20 | 0 | 94.2 | 77-125 | 0 |
| Trichlorofluoromethane | 15.13 | 1.7 | 20 | 0 | 75.6 | 60-140 | 0 |
| Vinyl chloride | 21.47 | 1.8 | 20 | 0 | 107 | 50-136 | 0 |
| Xylenes, Total | 60.18 | 4.4 | 60 | 0 | 100 | 80-126 | 0 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>19.86</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>99.3</i> | <i>75-120</i> | <i>0</i> |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>19.63</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>98.2</i> | <i>80-110</i> | <i>0</i> |
| <i>Surr: Dibromofluoromethane</i> | <i>18.67</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>93.4</i> | <i>85-115</i> | <i>0</i> |
| <i>Surr: Toluene-d8</i> | <i>20.37</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>102</i> | <i>85-110</i> | <i>0</i> |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

QC BATCH REPORT

Work Order: 20060253

MS/MSD were performed on non-project samples. NA

Project: Grafton Lime Kiln LF

Batch ID: **R290069b**

Instrument ID **VMS6**

Method: **SW8260C**

| MS | | Sample ID: 20052026-03A MS | | | | Units: µg/L | | Analysis Date: 6/6/2020 12:29 AM | | |
|--------------------------------|--------------|-----------------------------------|--------------|---------------|-----------------------|--------------------|---------------|---|-----------------|----------|
| Client ID: | | Run ID: VMS6_200605A | | | SeqNo: 6464797 | | Prep Date: | | DF: 2000 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | 42080 | 3,000 | 40000 | 0 | 105 | 75-130 | | 0 | | |
| 1,1,2,2-Tetrachloroethane | 35980 | 2,700 | 40000 | 0 | 90 | 75-130 | | 0 | | |
| 1,1,2-Trichloroethane | 36200 | 3,100 | 40000 | 0 | 90.5 | 75-125 | | 0 | | |
| 1,1-Dichloroethane | 41260 | 2,900 | 40000 | 0 | 103 | 75-133 | | 0 | | |
| 1,1-Dichloroethene | 42080 | 2,700 | 40000 | 0 | 105 | 70-145 | | 0 | | |
| 1,2,3-Trichlorobenzene | 35440 | 2,800 | 40000 | 0 | 88.6 | 70-140 | | 0 | | |
| 1,2,4-Trichlorobenzene | 36480 | 3,000 | 40000 | 0 | 91.2 | 70-135 | | 0 | | |
| 1,2,4-Trimethylbenzene | 36580 | 3,000 | 40000 | 0 | 91.4 | 75-130 | | 0 | | |
| 1,2-Dibromo-3-chloropropane | 30580 | 2,900 | 40000 | 0 | 76.4 | 60-130 | | 0 | | |
| 1,2-Dibromoethane | 38480 | 2,700 | 40000 | 0 | 96.2 | 90-195 | | 0 | | |
| 1,2-Dichlorobenzene | 38240 | 2,100 | 40000 | 0 | 95.6 | 70-130 | | 0 | | |
| 1,2-Dichloroethane | 51880 | 2,900 | 40000 | 13300 | 96.4 | 78-125 | | 0 | | |
| 1,2-Dichloropropane | 40240 | 3,200 | 40000 | 4620 | 89 | 75-125 | | 0 | | |
| 1,3,5-Trimethylbenzene | 38840 | 4,300 | 40000 | 0 | 97.1 | 75-130 | | 0 | | |
| 1,3-Dichlorobenzene | 38700 | 2,200 | 40000 | 0 | 96.8 | 75-130 | | 0 | | |
| 1,4-Dichlorobenzene | 36900 | 2,300 | 40000 | 0 | 92.2 | 75-130 | | 0 | | |
| 2-Butanone | 34980 | 3,500 | 40000 | 0 | 87.4 | 55-150 | | 0 | | |
| 2-Hexanone | 33300 | 3,900 | 40000 | 0 | 83.2 | 60-135 | | 0 | | |
| 4-Methyl-2-pentanone | 47240 | 3,500 | 40000 | 0 | 118 | 77-178 | | 0 | | |
| Acetone | 35040 | 41,000 | 40000 | 1280 | 84.4 | 60-160 | | 0 | | J |
| Benzene | 42660 | 3,000 | 40000 | 2100 | 101 | 70-130 | | 0 | | |
| Bromochloromethane | 36720 | 3,000 | 40000 | 0 | 91.8 | 72-141 | | 0 | | |
| Bromodichloromethane | 37320 | 3,300 | 40000 | 0 | 93.3 | 75-125 | | 0 | | |
| Bromoform | 29460 | 3,700 | 40000 | 0 | 73.6 | 60-125 | | 0 | | |
| Bromomethane | 32320 | 6,000 | 40000 | 1240 | 77.7 | 30-185 | | 0 | | |
| Carbon disulfide | 42600 | 3,300 | 40000 | 0 | 106 | 60-165 | | 0 | | |
| Carbon tetrachloride | 39060 | 2,700 | 40000 | 0 | 97.6 | 65-140 | | 0 | | |
| Chlorobenzene | 35860 | 2,700 | 40000 | 0 | 89.6 | 80-120 | | 0 | | |
| Chloroethane | 42540 | 4,500 | 40000 | 0 | 106 | 31-172 | | 0 | | |
| Chloroform | 51820 | 3,100 | 40000 | 13300 | 96.3 | 66-135 | | 0 | | |
| Chloromethane | 38040 | 5,500 | 40000 | 0 | 95.1 | 46-148 | | 0 | | |
| cis-1,2-Dichloroethene | 39300 | 2,800 | 40000 | 0 | 98.2 | 75-134 | | 0 | | |
| cis-1,3-Dichloropropene | 33760 | 3,800 | 40000 | 0 | 84.4 | 70-130 | | 0 | | |
| Dibromochloromethane | 32900 | 2,600 | 40000 | 0 | 82.2 | 60-115 | | 0 | | |
| Dichlorodifluoromethane | 51680 | 4,500 | 40000 | 0 | 129 | 20-120 | | 0 | | S |
| Ethylbenzene | 38420 | 2,200 | 40000 | 0 | 96 | 76-123 | | 0 | | |
| Isopropylbenzene | 39540 | 2,300 | 40000 | 0 | 98.8 | 80-127 | | 0 | | |
| m,p-Xylene | 78940 | 5,400 | 80000 | 0 | 98.7 | 75-130 | | 0 | | |
| Methyl tert-butyl ether | 36320 | 3,000 | 40000 | 0 | 90.8 | 80-130 | | 0 | | |
| Methylene chloride | 37120 | 5,800 | 40000 | 1300 | 89.6 | 72-125 | | 0 | | |
| Naphthalene | 33240 | 5,100 | 40000 | 0 | 83.1 | 55-160 | | 0 | | |
| o-Xylene | 39300 | 2,100 | 40000 | 0 | 98.2 | 80-125 | | 0 | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20060253

Project: Grafton Lime Kiln LF

QC BATCH REPORT

| | | | | | | | | |
|------------------------------------|---------------------------|------------------------|--------------|----------|-------------|---------------|----------|--|
| Batch ID: R290069b | Instrument ID VMS6 | Method: SW8260C | | | | | | |
| Styrene | 38640 | 2,200 | 40000 | 0 | 96.6 | 83-137 | 0 | |
| Tetrachloroethene | 39980 | 2,600 | 40000 | 0 | 100 | 68-166 | 0 | |
| Tetrahydrofuran | 35200 | 4,900 | 40000 | 0 | 88 | 54-139 | 0 | |
| Toluene | 36940 | 3,000 | 40000 | 0 | 92.4 | 76-125 | 0 | |
| trans-1,2-Dichloroethene | 39180 | 3,200 | 40000 | 0 | 98 | 80-140 | 0 | |
| trans-1,3-Dichloropropene | 32860 | 5,500 | 40000 | 0 | 82.2 | 56-132 | 0 | |
| Trichloroethene | 37280 | 2,900 | 40000 | 0 | 93.2 | 77-125 | 0 | |
| Trichlorofluoromethane | 30420 | 3,400 | 40000 | 0 | 76 | 60-140 | 0 | |
| Vinyl chloride | 42080 | 3,500 | 40000 | 0 | 105 | 50-136 | 0 | |
| Xylenes, Total | 118200 | 8,900 | 120000 | 0 | 98.5 | 80-126 | 0 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>40280</i> | <i>0</i> | <i>40000</i> | <i>0</i> | <i>101</i> | <i>75-120</i> | <i>0</i> | |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>38060</i> | <i>0</i> | <i>40000</i> | <i>0</i> | <i>95.2</i> | <i>80-110</i> | <i>0</i> | |
| <i>Surr: Dibromofluoromethane</i> | <i>39280</i> | <i>0</i> | <i>40000</i> | <i>0</i> | <i>98.2</i> | <i>85-115</i> | <i>0</i> | |
| <i>Surr: Toluene-d8</i> | <i>37660</i> | <i>0</i> | <i>40000</i> | <i>0</i> | <i>94.2</i> | <i>85-110</i> | <i>0</i> | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation
 Work Order: 20060253
 Project: Grafton Lime Kiln LF

QC BATCH REPORT

Batch ID: **R290069b** Instrument ID **VMS6** Method: **SW8260C**

| MSD | | Sample ID: 20052026-03A MSD | | | | Units: µg/L | | Analysis Date: 6/6/2020 12:53 AM | | |
|-----------------------------|--------|------------------------------------|---------|---------------|-----------------------|--------------------|---------------|---|-----------------|------|
| Client ID: | | Run ID: VMS6_200605A | | | SeqNo: 6464798 | | Prep Date: | | DF: 2000 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | 39120 | 3,000 | 40000 | 0 | 97.8 | 75-130 | 42080 | 7.29 | 30 | |
| 1,1,2,2-Tetrachloroethane | 35660 | 2,700 | 40000 | 0 | 89.2 | 75-130 | 35980 | 0.893 | 30 | |
| 1,1,2-Trichloroethane | 36120 | 3,100 | 40000 | 0 | 90.3 | 75-125 | 36200 | 0.221 | 30 | |
| 1,1-Dichloroethane | 37980 | 2,900 | 40000 | 0 | 95 | 75-133 | 41260 | 8.28 | 30 | |
| 1,1-Dichloroethene | 41620 | 2,700 | 40000 | 0 | 104 | 70-145 | 42080 | 1.1 | 30 | |
| 1,2,3-Trichlorobenzene | 37540 | 2,800 | 40000 | 0 | 93.8 | 70-140 | 35440 | 5.76 | 30 | |
| 1,2,4-Trichlorobenzene | 39420 | 3,000 | 40000 | 0 | 98.6 | 70-135 | 36480 | 7.75 | 30 | |
| 1,2,4-Trimethylbenzene | 36340 | 3,000 | 40000 | 0 | 90.8 | 75-130 | 36580 | 0.658 | 30 | |
| 1,2-Dibromo-3-chloropropane | 33240 | 2,900 | 40000 | 0 | 83.1 | 60-130 | 30580 | 8.34 | 30 | |
| 1,2-Dibromoethane | 37560 | 2,700 | 40000 | 0 | 93.9 | 90-195 | 38480 | 2.42 | 30 | |
| 1,2-Dichlorobenzene | 37400 | 2,100 | 40000 | 0 | 93.5 | 70-130 | 38240 | 2.22 | 30 | |
| 1,2-Dichloroethane | 48100 | 2,900 | 40000 | 13300 | 87 | 78-125 | 51880 | 7.56 | 30 | |
| 1,2-Dichloropropane | 42440 | 3,200 | 40000 | 4620 | 94.6 | 75-125 | 40240 | 5.32 | 30 | |
| 1,3,5-Trimethylbenzene | 38380 | 4,300 | 40000 | 0 | 96 | 75-130 | 38840 | 1.19 | 30 | |
| 1,3-Dichlorobenzene | 38380 | 2,200 | 40000 | 0 | 96 | 75-130 | 38700 | 0.83 | 30 | |
| 1,4-Dichlorobenzene | 37520 | 2,300 | 40000 | 0 | 93.8 | 75-130 | 36900 | 1.67 | 30 | |
| 2-Butanone | 32240 | 3,500 | 40000 | 0 | 80.6 | 55-150 | 34980 | 8.15 | 30 | |
| 2-Hexanone | 34940 | 3,900 | 40000 | 0 | 87.4 | 60-135 | 33300 | 4.81 | 30 | |
| 4-Methyl-2-pentanone | 49740 | 3,500 | 40000 | 0 | 124 | 77-178 | 47240 | 5.16 | 30 | |
| Acetone | 33600 | 41,000 | 40000 | 1280 | 80.8 | 60-160 | 35040 | 0 | 30 | J |
| Benzene | 40100 | 3,000 | 40000 | 2100 | 95 | 70-130 | 42660 | 6.19 | 30 | |
| Bromochloromethane | 35900 | 3,000 | 40000 | 0 | 89.8 | 72-141 | 36720 | 2.26 | 30 | |
| Bromodichloromethane | 38060 | 3,300 | 40000 | 0 | 95.2 | 75-125 | 37320 | 1.96 | 30 | |
| Bromoform | 29920 | 3,700 | 40000 | 0 | 74.8 | 60-125 | 29460 | 1.55 | 30 | |
| Bromomethane | 47060 | 6,000 | 40000 | 1240 | 115 | 30-185 | 32320 | 37.1 | 30 | R |
| Carbon disulfide | 39320 | 3,300 | 40000 | 0 | 98.3 | 60-165 | 42600 | 8.01 | 30 | |
| Carbon tetrachloride | 37660 | 2,700 | 40000 | 0 | 94.2 | 65-140 | 39060 | 3.65 | 30 | |
| Chlorobenzene | 36200 | 2,700 | 40000 | 0 | 90.5 | 80-120 | 35860 | 0.944 | 30 | |
| Chloroethane | 42100 | 4,500 | 40000 | 0 | 105 | 31-172 | 42540 | 1.04 | 30 | |
| Chloroform | 49700 | 3,100 | 40000 | 13300 | 91 | 66-135 | 51820 | 4.18 | 30 | |
| Chloromethane | 44220 | 5,500 | 40000 | 0 | 111 | 46-148 | 38040 | 15 | 30 | |
| cis-1,2-Dichloroethene | 35620 | 2,800 | 40000 | 0 | 89 | 75-134 | 39300 | 9.82 | 30 | |
| cis-1,3-Dichloropropene | 34900 | 3,800 | 40000 | 0 | 87.2 | 70-130 | 33760 | 3.32 | 30 | |
| Dibromochloromethane | 33040 | 2,600 | 40000 | 0 | 82.6 | 60-115 | 32900 | 0.425 | 30 | |
| Dichlorodifluoromethane | 48580 | 4,500 | 40000 | 0 | 121 | 20-120 | 51680 | 6.18 | 30 | S |
| Ethylbenzene | 38840 | 2,200 | 40000 | 0 | 97.1 | 76-123 | 38420 | 1.09 | 30 | |
| Isopropylbenzene | 39440 | 2,300 | 40000 | 0 | 98.6 | 80-127 | 39540 | 0.253 | 30 | |
| m,p-Xylene | 77660 | 5,400 | 80000 | 0 | 97.1 | 75-130 | 78940 | 1.63 | 30 | |
| Methyl tert-butyl ether | 36040 | 3,000 | 40000 | 0 | 90.1 | 80-130 | 36320 | 0.774 | 30 | |
| Methylene chloride | 35600 | 5,800 | 40000 | 1300 | 85.8 | 72-125 | 37120 | 4.18 | 30 | |
| Naphthalene | 37960 | 5,100 | 40000 | 0 | 94.9 | 55-160 | 33240 | 13.3 | 30 | |
| o-Xylene | 39340 | 2,100 | 40000 | 0 | 98.4 | 80-125 | 39300 | 0.102 | 30 | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20060253

Project: Grafton Lime Kiln LF

QC BATCH REPORT

| Batch ID: R290069b | Instrument ID VMS6 | Method: SW8260C | | | | | | | | |
|------------------------------------|---------------------------|------------------------|--------------|----------|-------------|---------------|--------------|-------------|-----------|--|
| Styrene | 38180 | 2,200 | 40000 | 0 | 95.4 | 83-137 | 38640 | 1.2 | 30 | |
| Tetrachloroethene | 39760 | 2,600 | 40000 | 0 | 99.4 | 68-166 | 39980 | 0.552 | 30 | |
| Tetrahydrofuran | 34800 | 4,900 | 40000 | 0 | 87 | 54-139 | 35200 | 1.14 | 30 | |
| Toluene | 37340 | 3,000 | 40000 | 0 | 93.4 | 76-125 | 36940 | 1.08 | 30 | |
| trans-1,2-Dichloroethene | 39500 | 3,200 | 40000 | 0 | 98.8 | 80-140 | 39180 | 0.813 | 30 | |
| trans-1,3-Dichloropropene | 33480 | 5,500 | 40000 | 0 | 83.7 | 56-132 | 32860 | 1.87 | 30 | |
| Trichloroethene | 38120 | 2,900 | 40000 | 0 | 95.3 | 77-125 | 37280 | 2.23 | 30 | |
| Trichlorofluoromethane | 29820 | 3,400 | 40000 | 0 | 74.6 | 60-140 | 30420 | 1.99 | 30 | |
| Vinyl chloride | 41360 | 3,500 | 40000 | 0 | 103 | 50-136 | 42080 | 1.73 | 30 | |
| Xylenes, Total | 117000 | 8,900 | 120000 | 0 | 97.5 | 80-126 | 118200 | 1.05 | 30 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>39160</i> | <i>0</i> | <i>40000</i> | <i>0</i> | <i>97.9</i> | <i>75-120</i> | <i>40280</i> | <i>2.82</i> | <i>30</i> | |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>38680</i> | <i>0</i> | <i>40000</i> | <i>0</i> | <i>96.7</i> | <i>80-110</i> | <i>38060</i> | <i>1.62</i> | <i>30</i> | |
| <i>Surr: Dibromofluoromethane</i> | <i>39560</i> | <i>0</i> | <i>40000</i> | <i>0</i> | <i>98.9</i> | <i>85-115</i> | <i>39280</i> | <i>0.71</i> | <i>30</i> | |
| <i>Surr: Toluene-d8</i> | <i>38840</i> | <i>0</i> | <i>40000</i> | <i>0</i> | <i>97.1</i> | <i>85-110</i> | <i>37660</i> | <i>3.08</i> | <i>30</i> | |

The following samples were analyzed in this batch:

| | | |
|--------------|--------------|--------------|
| 20060253-01A | 20060253-02A | 20060253-03A |
| 20060253-04A | 20060253-05A | 20060253-06A |
| 20060253-07A | 20060253-08A | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation
 Work Order: 20060253
 Project: Grafton Lime Kiln LF

QC BATCH REPORT

Batch ID: **R290163b** Instrument ID **VMS6** Method: **SW8260C**

| MBLK | | Sample ID: VBLKW1-200608-R290163b | | | | Units: µg/L | | Analysis Date: 6/8/2020 02:26 PM | | |
|------------------------------------|--------|--|---------|-----------------------|------|--------------------|---------------|---|-----------|------|
| Client ID: | | Run ID: VMS6_200608A | | SeqNo: 6467437 | | Prep Date: | | DF: 1 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| cis-1,2-Dichloroethene | U | 1.4 | | | | | | | | |
| Trichloroethene | U | 1.4 | | | | | | | | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 19.52 | 0 | 20 | 0 | 97.6 | 75-120 | 0 | | | |
| <i>Surr: 4-Bromofluorobenzene</i> | 17.43 | 0 | 20 | 0 | 87.2 | 80-110 | 0 | | | |
| <i>Surr: Dibromofluoromethane</i> | 18.06 | 0 | 20 | 0 | 90.3 | 85-115 | 0 | | | |
| <i>Surr: Toluene-d8</i> | 20.08 | 0 | 20 | 0 | 100 | 85-110 | 0 | | | |

| LCS | | Sample ID: VLCSW1-200608-R290163b | | | | Units: µg/L | | Analysis Date: 6/8/2020 01:38 PM | | |
|------------------------------------|--------|--|---------|-----------------------|------|--------------------|---------------|---|-----------|------|
| Client ID: | | Run ID: VMS6_200608A | | SeqNo: 6467436 | | Prep Date: | | DF: 1 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| cis-1,2-Dichloroethene | 20.33 | 1.4 | 20 | 0 | 102 | 75-134 | 0 | | | |
| Trichloroethene | 18.52 | 1.4 | 20 | 0 | 92.6 | 77-125 | 0 | | | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 18.82 | 0 | 20 | 0 | 94.1 | 75-120 | 0 | | | |
| <i>Surr: 4-Bromofluorobenzene</i> | 19.63 | 0 | 20 | 0 | 98.2 | 80-110 | 0 | | | |
| <i>Surr: Dibromofluoromethane</i> | 18.39 | 0 | 20 | 0 | 92 | 85-115 | 0 | | | |
| <i>Surr: Toluene-d8</i> | 20.33 | 0 | 20 | 0 | 102 | 85-110 | 0 | | | |

| MS | | Sample ID: 20060246-11A MS | | | | Units: µg/L | | Analysis Date: 6/8/2020 10:44 PM | | |
|------------------------------------|--------|-----------------------------------|---------|-----------------------|------|--------------------|---------------|---|-----------|------|
| Client ID: | | Run ID: VMS6_200608A | | SeqNo: 6467458 | | Prep Date: | | DF: 100 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| cis-1,2-Dichloroethene | 2037 | 140 | 2000 | 0 | 102 | 75-134 | 0 | | | |
| Trichloroethene | 1964 | 140 | 2000 | 0 | 98.2 | 77-125 | 0 | | | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 2039 | 0 | 2000 | 0 | 102 | 75-120 | 0 | | | |
| <i>Surr: 4-Bromofluorobenzene</i> | 1900 | 0 | 2000 | 0 | 95 | 80-110 | 0 | | | |
| <i>Surr: Dibromofluoromethane</i> | 1939 | 0 | 2000 | 0 | 97 | 85-115 | 0 | | | |
| <i>Surr: Toluene-d8</i> | 1996 | 0 | 2000 | 0 | 99.8 | 85-110 | 0 | | | |

| MSD | | Sample ID: 20060246-11A MSD | | | | Units: µg/L | | Analysis Date: 6/8/2020 11:08 PM | | |
|------------------------------------|--------|------------------------------------|---------|-----------------------|------|--------------------|---------------|---|-----------|------|
| Client ID: | | Run ID: VMS6_200608A | | SeqNo: 6467459 | | Prep Date: | | DF: 100 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| cis-1,2-Dichloroethene | 1994 | 140 | 2000 | 0 | 99.7 | 75-134 | 2037 | 2.13 | 30 | |
| Trichloroethene | 1927 | 140 | 2000 | 0 | 96.4 | 77-125 | 1964 | 1.9 | 30 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 1897 | 0 | 2000 | 0 | 94.8 | 75-120 | 2039 | 7.22 | 30 | |
| <i>Surr: 4-Bromofluorobenzene</i> | 1963 | 0 | 2000 | 0 | 98.2 | 80-110 | 1900 | 3.26 | 30 | |
| <i>Surr: Dibromofluoromethane</i> | 1940 | 0 | 2000 | 0 | 97 | 85-115 | 1939 | 0.0516 | 30 | |
| <i>Surr: Toluene-d8</i> | 1972 | 0 | 2000 | 0 | 98.6 | 85-110 | 1996 | 1.21 | 30 | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation
Work Order: 20060253
Project: Grafton Lime Kiln LF

QC BATCH REPORT

Batch ID: **R290163b** Instrument ID **VMS6** Method: **SW8260C**

The following samples were analyzed in this batch:

| | | |
|--------------|--------------|--------------|
| 20060253-02A | 20060253-05A | 20060253-07A |
|--------------|--------------|--------------|

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Cincinnati, OH
+1 513 733 5336

Fort Collins, CO
+1 970 490 1511

Everett, WA
+1 425 356 2600

Holland, MI
+1 616 399 6070

Chain of Custody Form

Page 1 of 1

COC ID: 192353

Houston, TX
+1 281 530 5656

Spring City, PA
+1 610 948 4903

Middletown, PA
+1 717 944 5541

Salt Lake City, UT
+1 801 266 7700

South Charleston, WV
+1 304 356 3168

York, PA
+1 717 505 5280

ALS Project Manager:

ALS Work Order #: 20060253

| Customer Information | | Project Information | | | | Parameter/Method Request for Analysis | | | | | | | | | | |
|----------------------|-------------------------------|---------------------|-----------------------|--|--|---------------------------------------|------|--|--|--|--|--|--|--|--|--|
| Purchase Order | | Project Name | Grafton Lime Kiln LF | | | A | VOCs | | | | | | | | | |
| Work Order | | Project Number | | | | B | | | | | | | | | | |
| Company Name | TRC Environmental Corporation | Bill To Company | TRC Companies Inc | | | C | | | | | | | | | | |
| Send Report To | asobbe@trccompanies.com | Invoice Attn | Accounts Payable | | | D | | | | | | | | | | |
| Address | 150 N. Patrick Boulevard | Address | 21 Griffin Road North | | | E | | | | | | | | | | |
| | Suite 180 | | | | | F | | | | | | | | | | |
| City/State/Zip | Brookfield, WI 53045 | City/State/Zip | Windsor, CT 06095 | | | G | | | | | | | | | | |
| Phone | (662) 879-1212 | Phone | (860) 293-9692 | | | H | | | | | | | | | | |
| Fax | | Fax | (860) 293-6399 | | | I | | | | | | | | | | |
| e-Mail Address | | e-Mail Address | | | | J | | | | | | | | | | |

| No. | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|-----|--------------------|----------|------|--------|-------|-----------|---|---|---|---|---|---|---|---|---|---|------|
| 1 | MWZA | 6-2-2020 | 640 | G-W | HCL | 3 | X | | | | | | | | | | |
| 2 | P2B | | 810 | | | | | | | | | | | | | | |
| 3 | P10B | | 925 | | | | | | | | | | | | | | |
| 4 | MW8A | | 1105 | | | | | | | | | | | | | | |
| 5 | P8B | | 1205 | | | | | | | | | | | | | | |
| 6 | PW1716LR | | 1300 | | | | | | | | | | | | | | |
| 7 | DUP-1 | | - | | | | | | | | | | | | | | |
| 8 | Trip Blank | | - | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

Sampler(s) Please Print & Sign: Aaron Sobbe AS

Shipment Method: FedEx

Required Turnaround Time: (Check Box) Std 10 WK Days 5 WK Days Other 2 WK Days 24 Hour

Results Due Date: _____

Relinquished by: AS Date: 6-2-2020 Time: 1700

Received by (Laboratory): FEDEX

Relinquished by: FEDEX Date: 6/3/20 Time: 1000

Received by (Laboratory): [Signature]

Logged by (Laboratory): [Signature] Date: 6/3/20 Time: 1105

Checked by (Laboratory): [Signature]

Notes: _____

| Cooler ID | Cooler Temp. | QC Package: (Check One Box Below) | |
|------------|--------------|--|---|
| <u>SR1</u> | <u>3.2°</u> | <input type="checkbox"/> Level II Std QC | <input type="checkbox"/> TRRP CheckList |
| | | <input type="checkbox"/> Level III Std QC/Raw Data | <input type="checkbox"/> TRRP Level IV |
| | | <input type="checkbox"/> Level IV SW846/CLP | |
| | | <input type="checkbox"/> Other _____ | |

Preservative Key: 1-HCl 2-HNO₃ 3-H₂SO₄ 4-NaOH 5-Na₂S₂O₃ 6-NaHSO₄ 7-Other 8-4°C 9-5035

Sample Receipt Checklist

Client Name: **TRC - BROOKFIELD**

Date/Time Received: **03-Jun-20 10:00**

Work Order: **20060253**

Received by: **KRW**

Checklist completed by Keith Wierenga 03-Jun-20
eSignature Date

Reviewed by: Chad Whelton 03-Jun-20
eSignature Date

Matrices: Water

Carrier name: FedEx

Shipping container/cooler in good condition? Yes No Not Present

Custody seals intact on shipping container/cooler? Yes No Not Present

Custody seals intact on sample bottles? Yes No Not Present

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No

Samples in proper container/bottle? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test? Yes No

All samples received within holding time? Yes No

Container/Temp Blank temperature in compliance? Yes No

Sample(s) received on ice? Yes No

Temperature(s)/Thermometer(s): 3.2/3.2 C SR1

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage: 6/3/2020 11:08:26 AM

Water - VOA vials have zero headspace? Yes No No VOA vials submitted

Water - pH acceptable upon receipt? Yes No N/A

pH adjusted? Yes No N/A

pH adjusted by:

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:



09-Jun-2020

Marita Stollenwerk
TRC Environmental Corporation
150 N. Patrick Boulevard
Suite 180
Brookfield, WI 53045

Data assessment (ALS Environmental, Holland, MI/Work Order: 20060564):
All holding times, field and laboratory qc, and blanks met criteria, except as specified below.

LCS/MS/MSD

-The LCS recovery was above the upper control limit for Dichlorofluoromethane. All the sample results in the batch were non-detect. No qualification is required.

Blanks: sample detections <5x blank value were flagged as nondetect ('u') at the reported limit.

- Analytes in trip blanks: Chloroform (0.61J µg/L, x5=3.05), Chloromethane (1.2J µg/L, x5=6), Tetrahydrofuran (1.6J µg/L x5=8)

P Popp, 1/22/2021

Re: **Grafton Lime Kiln LF**

Work Order: **20060564**

Dear Marita,

ALS Environmental received 1 sample on 05-Jun-2020 10:30 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 16.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

Report of Laboratory Analysis

Certificate No: MN 026-999-449

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Work Order: 20060564

Work Order Sample Summary

| <u>Lab Samp ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Tag Number</u> | <u>Collection Date</u> | <u>Date Received</u> | <u>Hold</u> |
|--------------------|-------------------------|---------------|-------------------|------------------------|----------------------|--------------------------|
| 20060564-01 | P7B | Groundwater | | 6/4/2020 10:35 | 6/5/2020 10:30 | <input type="checkbox"/> |

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Work Order: 20060564

Case Narrative

Samples for the above noted Work Order were received on 06/05/2020. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, sample condition, preservation, and temperature compliance.

In order to ensure compliance with NR 149 criteria, please note the following report format:

- (1) The Limit of Detection (LOD) is reported as the MDL (Method Detection Limit)
- (2) The Limit of Quantitation (LOQ) is reported as the PQL (Practical Quantitation Limit)
- (3) All reported concentrations, including those for the LOD and LOQ, are adjusted for any required dilutions
- (4) All reported concentrations, including those for the LOD and LOQ, are adjusted for moisture content when samples are reported on a dry weight basis.

Samples were analyzed according to the analytical methodology previously documented in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Detail as to the associated samples can be found at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, acronyms, and units utilized in reporting.

With the following exceptions, all sample analyses achieved analytical criteria.

Volatile Organics

Batch R290163b, Method WI_VOC_8260_W, Sample VLCSW1-200608: The LCS recovery was above the upper control limit for Dichlorofluoromethane. All the sample results in the batch were non-detect. No qualification is required.

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
WorkOrder: 20060564

**QUALIFIERS,
ACRONYMS, UNITS**

| <u>Qualifier</u> | <u>Description</u> |
|------------------|---|
| * | Value exceeds Regulatory Limit |
| ** | Estimated Value |
| a | Analyte is non-accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| Hr | BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated. |
| J | Analyte is present at an estimated concentration between the MDL and Report Limit |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL |
| X | Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. |

| <u>Acronym</u> | <u>Description</u> |
|----------------|-------------------------------------|
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCS D | Laboratory Control Sample Duplicate |
| LOD | Limit of Detection (see MDL) |
| LOQ | Limit of Quantitation (see PQL) |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| TDL | Target Detection Limit |
| TNTC | Too Numerous To Count |
| A | APHA Standard Methods |
| D | ASTM |
| E | EPA |
| SW | SW-846 Update III |

| <u>Units Reported</u> | <u>Description</u> |
|-----------------------|----------------------|
| µg/L | Micrograms per Liter |

ALS Group, USA

Date: 09-Jun-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: P7B
Collection Date: 6/4/2020 10:35 AM

Work Order: 20060564
Lab ID: 20060564-01
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|-------------|----------|-----------------|--------------|-------------|--------------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: BG | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 6/8/2020 17:35 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 6/8/2020 17:35 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 6/8/2020 17:35 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 6/8/2020 17:35 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 6/8/2020 17:35 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 6/8/2020 17:35 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 6/8/2020 17:35 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 6/8/2020 17:35 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 6/8/2020 17:35 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 6/8/2020 17:35 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 6/8/2020 17:35 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 6/8/2020 17:35 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 6/8/2020 17:35 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 6/8/2020 17:35 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 6/8/2020 17:35 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 6/8/2020 17:35 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 6/8/2020 17:35 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 6/8/2020 17:35 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 6/8/2020 17:35 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 6/8/2020 17:35 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 6/8/2020 17:35 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 6/8/2020 17:35 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 6/8/2020 17:35 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 6/8/2020 17:35 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 6/8/2020 17:35 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 6/8/2020 17:35 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 6/8/2020 17:35 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 6/8/2020 17:35 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 6/8/2020 17:35 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 6/8/2020 17:35 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 6/8/2020 17:35 |
| Chloromethane | 0.83 | J | 0.83 | 2.8 | µg/L | 1 | 6/8/2020 17:35 |
| cis-1,2-Dichloroethene | 0.43 | J | 0.42 | 1.4 | µg/L | 1 | 6/8/2020 17:35 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 6/8/2020 17:35 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 6/8/2020 17:35 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 6/8/2020 17:35 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 6/8/2020 17:35 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 6/8/2020 17:35 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 09-Jun-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: P7B
Collection Date: 6/4/2020 10:35 AM

Work Order: 20060564
Lab ID: 20060564-01
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|--------|------|------|--------------|-------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 6/8/2020 17:35 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 6/8/2020 17:35 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 6/8/2020 17:35 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 6/8/2020 17:35 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 6/8/2020 17:35 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 6/8/2020 17:35 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 6/8/2020 17:35 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 6/8/2020 17:35 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 6/8/2020 17:35 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 6/8/2020 17:35 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 6/8/2020 17:35 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 6/8/2020 17:35 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 6/8/2020 17:35 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 6/8/2020 17:35 |
| Trichloroethene | U | | 0.43 | 1.4 | µg/L | 1 | 6/8/2020 17:35 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 6/8/2020 17:35 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 6/8/2020 17:35 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 6/8/2020 17:35 |
| Surr: 1,2-Dichloroethane-d4 | 99.4 | | | 75-120 | %REC | 1 | 6/8/2020 17:35 |
| Surr: 4-Bromofluorobenzene | 97.8 | | | 80-110 | %REC | 1 | 6/8/2020 17:35 |
| Surr: Dibromofluoromethane | 97.6 | | | 85-115 | %REC | 1 | 6/8/2020 17:35 |
| Surr: Toluene-d8 | 103 | | | 85-110 | %REC | 1 | 6/8/2020 17:35 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: TRC Environmental Corporation
Work Order: 20060564
Project: Grafton Lime Kiln LF

QC BATCH REPORT

Batch ID: **R290163b** Instrument ID **VMS6** Method: **SW8260C**

| MBLK | | Sample ID: VBLKW1-200608-R290163b | | | Units: µg/L | | Analysis Date: 6/8/2020 02:26 PM | | | |
|--------------------------------|--------|--|---------|---------------|-----------------------|---------------|---|------|--------------|------|
| Client ID: | | Run ID: VMS6_200608A | | | SeqNo: 6467437 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | U | 1.5 | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | U | 1.3 | | | | | | | | |
| 1,1,2-Trichloroethane | U | 1.5 | | | | | | | | |
| 1,1,2-Trichlorotrifluoroethane | U | 1.7 | | | | | | | | |
| 1,1-Dichloroethane | U | 1.5 | | | | | | | | |
| 1,1-Dichloroethene | U | 1.4 | | | | | | | | |
| 1,2,3-Trichlorobenzene | U | 1.4 | | | | | | | | |
| 1,2,4-Trichlorobenzene | U | 1.5 | | | | | | | | |
| 1,2,4-Trimethylbenzene | U | 1.5 | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | U | 1.4 | | | | | | | | |
| 1,2-Dibromoethane | U | 1.4 | | | | | | | | |
| 1,2-Dichlorobenzene | U | 1.1 | | | | | | | | |
| 1,2-Dichloroethane | U | 1.4 | | | | | | | | |
| 1,2-Dichloropropane | U | 1.6 | | | | | | | | |
| 1,3,5-Trimethylbenzene | U | 2.2 | | | | | | | | |
| 1,3-Dichlorobenzene | U | 1.1 | | | | | | | | |
| 1,4-Dichlorobenzene | U | 1.2 | | | | | | | | |
| 2-Butanone | U | 1.7 | | | | | | | | |
| 2-Hexanone | U | 2.0 | | | | | | | | |
| 4-Methyl-2-pentanone | U | 1.7 | | | | | | | | |
| Acetone | U | 21 | | | | | | | | |
| Benzene | U | 1.5 | | | | | | | | |
| Bromochloromethane | U | 1.5 | | | | | | | | |
| Bromodichloromethane | U | 1.6 | | | | | | | | |
| Bromoform | U | 1.9 | | | | | | | | |
| Bromomethane | U | 3.0 | | | | | | | | |
| Carbon disulfide | U | 1.6 | | | | | | | | |
| Carbon tetrachloride | U | 1.4 | | | | | | | | |
| Chlorobenzene | U | 1.3 | | | | | | | | |
| Chloroethane | U | 2.3 | | | | | | | | |
| Chloroform | U | 1.5 | | | | | | | | |
| Chloromethane | U | 2.8 | | | | | | | | |
| cis-1,2-Dichloroethene | U | 1.4 | | | | | | | | |
| cis-1,3-Dichloropropene | U | 1.9 | | | | | | | | |
| Cyclohexane | U | 2.1 | | | | | | | | |
| Dibromochloromethane | U | 1.3 | | | | | | | | |
| Dichlorodifluoromethane | U | 2.3 | | | | | | | | |
| Ethylbenzene | U | 1.1 | | | | | | | | |
| Isopropylbenzene | U | 1.2 | | | | | | | | |
| m,p-Xylene | U | 2.7 | | | | | | | | |
| Methyl acetate | U | 2.0 | | | | | | | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20060564

Project: Grafton Lime Kiln LF

QC BATCH REPORT

Batch ID: **R290163b** Instrument ID **VMS6** Method: **SW8260C**

| | | | | | | | | |
|------------------------------------|--------------|----------|-----------|----------|-------------|---------------|----------|--|
| Methyl tert-butyl ether | U | 1.5 | | | | | | |
| Methylcyclohexane | U | 1.2 | | | | | | |
| Methylene chloride | U | 2.9 | | | | | | |
| Naphthalene | U | 2.6 | | | | | | |
| o-Xylene | U | 1.0 | | | | | | |
| Styrene | U | 1.1 | | | | | | |
| Tetrachloroethene | U | 1.3 | | | | | | |
| Tetrahydrofuran | U | 2.4 | | | | | | |
| Toluene | U | 1.5 | | | | | | |
| trans-1,2-Dichloroethene | U | 1.6 | | | | | | |
| trans-1,3-Dichloropropene | U | 2.7 | | | | | | |
| Trichloroethene | U | 1.4 | | | | | | |
| Trichlorofluoromethane | U | 1.7 | | | | | | |
| Vinyl chloride | U | 1.8 | | | | | | |
| Xylenes, Total | U | 4.4 | | | | | | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>19.52</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>97.6</i> | <i>75-120</i> | <i>0</i> | |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>17.43</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>87.2</i> | <i>80-110</i> | <i>0</i> | |
| <i>Surr: Dibromofluoromethane</i> | <i>18.06</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>90.3</i> | <i>85-115</i> | <i>0</i> | |
| <i>Surr: Toluene-d8</i> | <i>20.08</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>100</i> | <i>85-110</i> | <i>0</i> | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation
 Work Order: 20060564
 Project: Grafton Lime Kiln LF

QC BATCH REPORT

Batch ID: **R290163b** Instrument ID **VMS6** Method: **SW8260C**

| LCS | | Sample ID: VLCSW1-200608-R290163b | | | | Units: µg/L | | Analysis Date: 6/8/2020 01:38 PM | | |
|--------------------------------|--------------|--|-----------|-----------------------|------------|--------------------|---------------|---|-----------|----------|
| Client ID: | | Run ID: VMS6_200608A | | SeqNo: 6467436 | | Prep Date: | | DF: 1 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | 18.77 | 1.5 | 20 | 0 | 93.8 | 75-130 | 0 | | | |
| 1,1,2,2-Tetrachloroethane | 19.7 | 1.3 | 20 | 0 | 98.5 | 75-130 | 0 | | | |
| 1,1,2-Trichloroethane | 19.61 | 1.5 | 20 | 0 | 98 | 75-125 | 0 | | | |
| 1,1-Dichloroethane | 21.6 | 1.5 | 20 | 0 | 108 | 75-133 | 0 | | | |
| 1,1-Dichloroethene | 21.8 | 1.4 | 20 | 0 | 109 | 70-145 | 0 | | | |
| 1,2,3-Trichlorobenzene | 19.81 | 1.4 | 20 | 0 | 99 | 70-140 | 0 | | | |
| 1,2,4-Trichlorobenzene | 19.16 | 1.5 | 20 | 0 | 95.8 | 70-135 | 0 | | | |
| 1,2,4-Trimethylbenzene | 19.93 | 1.5 | 20 | 0 | 99.6 | 75-130 | 0 | | | |
| 1,2-Dibromo-3-chloropropane | 16.74 | 1.4 | 20 | 0 | 83.7 | 60-130 | 0 | | | |
| 1,2-Dibromoethane | 20.01 | 1.4 | 20 | 0 | 100 | 90-195 | 0 | | | |
| 1,2-Dichlorobenzene | 19.02 | 1.1 | 20 | 0 | 95.1 | 70-130 | 0 | | | |
| 1,2-Dichloroethane | 18.55 | 1.4 | 20 | 0 | 92.8 | 78-125 | 0 | | | |
| 1,2-Dichloropropane | 18.94 | 1.6 | 20 | 0 | 94.7 | 75-125 | 0 | | | |
| 1,3,5-Trimethylbenzene | 20.2 | 2.2 | 20 | 0 | 101 | 75-130 | 0 | | | |
| 1,3-Dichlorobenzene | 19.06 | 1.1 | 20 | 0 | 95.3 | 75-130 | 0 | | | |
| 1,4-Dichlorobenzene | 18.17 | 1.2 | 20 | 0 | 90.8 | 75-130 | 0 | | | |
| 2-Butanone | 18.65 | 1.7 | 20 | 0 | 93.2 | 55-150 | 0 | | | |
| 2-Hexanone | 18.05 | 2.0 | 20 | 0 | 90.2 | 60-135 | 0 | | | |
| 4-Methyl-2-pentanone | 28.32 | 1.7 | 20 | 0 | 142 | 77-178 | 0 | | | |
| Acetone | 17.82 | 21 | 20 | 0 | 89.1 | 60-160 | 0 | | | J |
| Benzene | 19.04 | 1.5 | 20 | 0 | 95.2 | 70-130 | 0 | | | |
| Bromochloromethane | 18.35 | 1.5 | 20 | 0 | 91.8 | 72-141 | 0 | | | |
| Bromodichloromethane | 19.86 | 1.6 | 20 | 0 | 99.3 | 75-125 | 0 | | | |
| Bromoform | 17.74 | 1.9 | 20 | 0 | 88.7 | 60-125 | 0 | | | |
| Bromomethane | 27.49 | 3.0 | 20 | 0 | 137 | 30-185 | 0 | | | |
| Carbon disulfide | 22.81 | 1.6 | 20 | 0 | 114 | 60-165 | 0 | | | |
| Carbon tetrachloride | 17.33 | 1.4 | 20 | 0 | 86.6 | 65-140 | 0 | | | |
| Chlorobenzene | 19.24 | 1.3 | 20 | 0 | 96.2 | 80-120 | 0 | | | |
| Chloroethane | 21.01 | 2.3 | 20 | 0 | 105 | 31-172 | 0 | | | |
| Chloroform | 19.41 | 1.5 | 20 | 0 | 97 | 66-135 | 0 | | | |
| Chloromethane | 21.65 | 2.8 | 20 | 0 | 108 | 46-148 | 0 | | | |
| cis-1,2-Dichloroethene | 20.33 | 1.4 | 20 | 0 | 102 | 75-134 | 0 | | | |
| cis-1,3-Dichloropropene | 19.54 | 1.9 | 20 | 0 | 97.7 | 70-130 | 0 | | | |
| Dibromochloromethane | 17.55 | 1.3 | 20 | 0 | 87.8 | 60-115 | 0 | | | |
| Dichlorodifluoromethane | 24.46 | 2.3 | 20 | 0 | 122 | 20-120 | 0 | | | S |
| Ethylbenzene | 19.29 | 1.1 | 20 | 0 | 96.4 | 76-123 | 0 | | | |
| Isopropylbenzene | 20.02 | 1.2 | 20 | 0 | 100 | 80-127 | 0 | | | |
| m,p-Xylene | 39.8 | 2.7 | 40 | 0 | 99.5 | 75-130 | 0 | | | |
| Methyl tert-butyl ether | 21.22 | 1.5 | 20 | 0 | 106 | 80-130 | 0 | | | |
| Methylene chloride | 19.91 | 2.9 | 20 | 0 | 99.6 | 72-125 | 0 | | | |
| Naphthalene | 20.07 | 2.6 | 20 | 0 | 100 | 55-160 | 0 | | | |
| o-Xylene | 20.44 | 1.0 | 20 | 0 | 102 | 80-125 | 0 | | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20060564

Project: Grafton Lime Kiln LF

QC BATCH REPORT

| | | | | | | | |
|------------------------------------|---------------------------|------------------------|-----------|----------|-------------|---------------|----------|
| Batch ID: R290163b | Instrument ID VMS6 | Method: SW8260C | | | | | |
| Styrene | 20.29 | 1.1 | 20 | 0 | 101 | 83-137 | 0 |
| Tetrachloroethene | 19.79 | 1.3 | 20 | 0 | 99 | 68-166 | 0 |
| Tetrahydrofuran | 19.12 | 2.4 | 20 | 0 | 95.6 | 54-139 | 0 |
| Toluene | 19.18 | 1.5 | 20 | 0 | 95.9 | 76-125 | 0 |
| trans-1,2-Dichloroethene | 21 | 1.6 | 20 | 0 | 105 | 80-140 | 0 |
| trans-1,3-Dichloropropene | 19.77 | 2.7 | 20 | 0 | 98.8 | 56-132 | 0 |
| Trichloroethene | 18.52 | 1.4 | 20 | 0 | 92.6 | 77-125 | 0 |
| Trichlorofluoromethane | 15.39 | 1.7 | 20 | 0 | 77 | 60-140 | 0 |
| Vinyl chloride | 21.85 | 1.8 | 20 | 0 | 109 | 50-136 | 0 |
| Xylenes, Total | 60.24 | 4.4 | 60 | 0 | 100 | 80-126 | 0 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>18.82</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>94.1</i> | <i>75-120</i> | <i>0</i> |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>19.63</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>98.2</i> | <i>80-110</i> | <i>0</i> |
| <i>Surr: Dibromofluoromethane</i> | <i>18.39</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>92</i> | <i>85-115</i> | <i>0</i> |
| <i>Surr: Toluene-d8</i> | <i>20.33</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>102</i> | <i>85-110</i> | <i>0</i> |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

QC BATCH REPORT

Work Order: 20060564

Project: Grafton Lime Kiln LF

MS/MSD were performed on non-project samples.

Batch ID: **R290163b** Instrument ID **VMS6** Method: **SW8260C**

| MS | | Sample ID: 20060246-11A MS | | | | Units: µg/L | | Analysis Date: 6/8/2020 10:44 PM | | |
|-----------------------------|--------|-----------------------------------|---------|---------------|-----------------------|--------------------|---------------|---|----------------|------|
| Client ID: | | Run ID: VMS6_200608A | | | SeqNo: 6467458 | | Prep Date: | | DF: 100 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | 1933 | 150 | 2000 | 0 | 96.6 | 75-130 | 0 | | | |
| 1,1,2,2-Tetrachloroethane | 1875 | 130 | 2000 | 0 | 93.8 | 75-130 | 0 | | | |
| 1,1,2-Trichloroethane | 1900 | 150 | 2000 | 0 | 95 | 75-125 | 0 | | | |
| 1,1-Dichloroethane | 2129 | 150 | 2000 | 0 | 106 | 75-133 | 0 | | | |
| 1,1-Dichloroethene | 2326 | 140 | 2000 | 0 | 116 | 70-145 | 0 | | | |
| 1,2,3-Trichlorobenzene | 1871 | 140 | 2000 | 0 | 93.6 | 70-140 | 0 | | | |
| 1,2,4-Trichlorobenzene | 1844 | 150 | 2000 | 0 | 92.2 | 70-135 | 0 | | | |
| 1,2,4-Trimethylbenzene | 1986 | 150 | 2000 | 27 | 98 | 75-130 | 0 | | | |
| 1,2-Dibromo-3-chloropropane | 1875 | 140 | 2000 | 0 | 93.8 | 60-130 | 0 | | | |
| 1,2-Dibromoethane | 2006 | 140 | 2000 | 0 | 100 | 90-195 | 0 | | | |
| 1,2-Dichlorobenzene | 1859 | 110 | 2000 | 0 | 93 | 70-130 | 0 | | | |
| 1,2-Dichloroethane | 1807 | 140 | 2000 | 0 | 90.4 | 78-125 | 0 | | | |
| 1,2-Dichloropropane | 1966 | 160 | 2000 | 0 | 98.3 | 75-125 | 0 | | | |
| 1,3,5-Trimethylbenzene | 1865 | 220 | 2000 | 0 | 93.2 | 75-130 | 0 | | | |
| 1,3-Dichlorobenzene | 1890 | 110 | 2000 | 0 | 94.5 | 75-130 | 0 | | | |
| 1,4-Dichlorobenzene | 1763 | 120 | 2000 | 0 | 88.2 | 75-130 | 0 | | | |
| 2-Butanone | 2167 | 170 | 2000 | 0 | 108 | 55-150 | 0 | | | |
| 2-Hexanone | 1973 | 200 | 2000 | 0 | 98.6 | 60-135 | 0 | | | |
| 4-Methyl-2-pentanone | 2893 | 170 | 2000 | 0 | 145 | 77-178 | 0 | | | |
| Acetone | 2227 | 2,100 | 2000 | 0 | 111 | 60-160 | 0 | | | |
| Benzene | 4311 | 150 | 2000 | 2039 | 114 | 70-130 | 0 | | | |
| Bromochloromethane | 1930 | 150 | 2000 | 0 | 96.5 | 72-141 | 0 | | | |
| Bromodichloromethane | 1931 | 160 | 2000 | 0 | 96.6 | 75-125 | 0 | | | |
| Bromoform | 1563 | 190 | 2000 | 0 | 78.2 | 60-125 | 0 | | | |
| Bromomethane | 1832 | 300 | 2000 | 0 | 91.6 | 30-185 | 0 | | | |
| Carbon disulfide | 2316 | 160 | 2000 | 0 | 116 | 60-165 | 0 | | | |
| Carbon tetrachloride | 1878 | 140 | 2000 | 0 | 93.9 | 65-140 | 0 | | | |
| Chlorobenzene | 1792 | 130 | 2000 | 0 | 89.6 | 80-120 | 0 | | | |
| Chloroethane | 2282 | 230 | 2000 | 0 | 114 | 31-172 | 0 | | | |
| Chloroform | 2009 | 150 | 2000 | 0 | 100 | 66-135 | 0 | | | |
| Chloromethane | 2218 | 280 | 2000 | 0 | 111 | 46-148 | 0 | | | |
| cis-1,2-Dichloroethene | 2037 | 140 | 2000 | 0 | 102 | 75-134 | 0 | | | |
| cis-1,3-Dichloropropene | 1869 | 190 | 2000 | 0 | 93.4 | 70-130 | 0 | | | |
| Dibromochloromethane | 1692 | 130 | 2000 | 0 | 84.6 | 60-115 | 0 | | | |
| Dichlorodifluoromethane | 2555 | 230 | 2000 | 0 | 128 | 20-120 | 0 | | | S |
| Ethylbenzene | 1888 | 110 | 2000 | 0 | 94.4 | 76-123 | 0 | | | |
| Isopropylbenzene | 1917 | 120 | 2000 | 0 | 95.8 | 80-127 | 0 | | | |
| m,p-Xylene | 3852 | 270 | 4000 | 71 | 94.5 | 75-130 | 0 | | | |
| Methyl tert-butyl ether | 2256 | 150 | 2000 | 0 | 113 | 80-130 | 0 | | | |
| Methylene chloride | 2043 | 290 | 2000 | 0 | 102 | 72-125 | 0 | | | |
| Naphthalene | 2015 | 260 | 2000 | 0 | 101 | 55-160 | 0 | | | |
| o-Xylene | 1911 | 100 | 2000 | 32 | 94 | 80-125 | 0 | | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20060564

Project: Grafton Lime Kiln LF

QC BATCH REPORT

| | | | | | | | |
|------------------------------------|---------------------------|------------------------|------|----|------|--------|---|
| Batch ID: R290163b | Instrument ID VMS6 | Method: SW8260C | | | | | |
| Styrene | 1865 | 110 | 2000 | 0 | 93.2 | 83-137 | 0 |
| Tetrachloroethene | 1990 | 130 | 2000 | 0 | 99.5 | 68-166 | 0 |
| Tetrahydrofuran | 2178 | 240 | 2000 | 0 | 109 | 54-139 | 0 |
| Toluene | 1991 | 150 | 2000 | 73 | 95.9 | 76-125 | 0 |
| trans-1,2-Dichloroethene | 2234 | 160 | 2000 | 0 | 112 | 80-140 | 0 |
| trans-1,3-Dichloropropene | 1747 | 270 | 2000 | 0 | 87.4 | 56-132 | 0 |
| Trichloroethene | 1964 | 140 | 2000 | 0 | 98.2 | 77-125 | 0 |
| Trichlorofluoromethane | 1636 | 170 | 2000 | 0 | 81.8 | 60-140 | 0 |
| Vinyl chloride | 2294 | 180 | 2000 | 0 | 115 | 50-136 | 0 |
| Xylenes, Total | 5763 | 440 | 6000 | 32 | 95.5 | 80-126 | 0 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 2039 | 0 | 2000 | 0 | 102 | 75-120 | 0 |
| <i>Surr: 4-Bromofluorobenzene</i> | 1900 | 0 | 2000 | 0 | 95 | 80-110 | 0 |
| <i>Surr: Dibromofluoromethane</i> | 1939 | 0 | 2000 | 0 | 97 | 85-115 | 0 |
| <i>Surr: Toluene-d8</i> | 1996 | 0 | 2000 | 0 | 99.8 | 85-110 | 0 |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation
 Work Order: 20060564
 Project: Grafton Lime Kiln LF

QC BATCH REPORT

Batch ID: **R290163b** Instrument ID **VMS6** Method: **SW8260C**

| MSD | | Sample ID: 20060246-11A MSD | | | | Units: µg/L | | Analysis Date: 6/8/2020 11:08 PM | | |
|-----------------------------|--------|------------------------------------|---------|---------------|-----------------------|--------------------|---------------|---|----------------|------|
| Client ID: | | Run ID: VMS6_200608A | | | SeqNo: 6467459 | | Prep Date: | | DF: 100 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | 2017 | 150 | 2000 | 0 | 101 | 75-130 | 1933 | 4.25 | 30 | |
| 1,1,2,2-Tetrachloroethane | 1940 | 130 | 2000 | 0 | 97 | 75-130 | 1875 | 3.41 | 30 | |
| 1,1,2-Trichloroethane | 1899 | 150 | 2000 | 0 | 95 | 75-125 | 1900 | 0.0526 | 30 | |
| 1,1-Dichloroethane | 2087 | 150 | 2000 | 0 | 104 | 75-133 | 2129 | 1.99 | 30 | |
| 1,1-Dichloroethene | 2262 | 140 | 2000 | 0 | 113 | 70-145 | 2326 | 2.79 | 30 | |
| 1,2,3-Trichlorobenzene | 1977 | 140 | 2000 | 0 | 98.8 | 70-140 | 1871 | 5.51 | 30 | |
| 1,2,4-Trichlorobenzene | 1961 | 150 | 2000 | 0 | 98 | 70-135 | 1844 | 6.15 | 30 | |
| 1,2,4-Trimethylbenzene | 1979 | 150 | 2000 | 27 | 97.6 | 75-130 | 1986 | 0.353 | 30 | |
| 1,2-Dibromo-3-chloropropane | 1841 | 140 | 2000 | 0 | 92 | 60-130 | 1875 | 1.83 | 30 | |
| 1,2-Dibromoethane | 2040 | 140 | 2000 | 0 | 102 | 90-195 | 2006 | 1.68 | 30 | |
| 1,2-Dichlorobenzene | 1935 | 110 | 2000 | 0 | 96.8 | 70-130 | 1859 | 4.01 | 30 | |
| 1,2-Dichloroethane | 1872 | 140 | 2000 | 0 | 93.6 | 78-125 | 1807 | 3.53 | 30 | |
| 1,2-Dichloropropane | 1945 | 160 | 2000 | 0 | 97.2 | 75-125 | 1966 | 1.07 | 30 | |
| 1,3,5-Trimethylbenzene | 2002 | 220 | 2000 | 0 | 100 | 75-130 | 1865 | 7.09 | 30 | |
| 1,3-Dichlorobenzene | 2014 | 110 | 2000 | 0 | 101 | 75-130 | 1890 | 6.35 | 30 | |
| 1,4-Dichlorobenzene | 1856 | 120 | 2000 | 0 | 92.8 | 75-130 | 1763 | 5.14 | 30 | |
| 2-Butanone | 1978 | 170 | 2000 | 0 | 98.9 | 55-150 | 2167 | 9.12 | 30 | |
| 2-Hexanone | 1881 | 200 | 2000 | 0 | 94 | 60-135 | 1973 | 4.77 | 30 | |
| 4-Methyl-2-pentanone | 2731 | 170 | 2000 | 0 | 137 | 77-178 | 2893 | 5.76 | 30 | |
| Acetone | 1893 | 2,100 | 2000 | 0 | 94.6 | 60-160 | 2227 | 0 | 30 | J |
| Benzene | 4219 | 150 | 2000 | 2039 | 109 | 70-130 | 4311 | 2.16 | 30 | |
| Bromochloromethane | 1874 | 150 | 2000 | 0 | 93.7 | 72-141 | 1930 | 2.94 | 30 | |
| Bromodichloromethane | 1923 | 160 | 2000 | 0 | 96.2 | 75-125 | 1931 | 0.415 | 30 | |
| Bromoform | 1695 | 190 | 2000 | 0 | 84.8 | 60-125 | 1563 | 8.1 | 30 | |
| Bromomethane | 2091 | 300 | 2000 | 0 | 105 | 30-185 | 1832 | 13.2 | 30 | |
| Carbon disulfide | 2280 | 160 | 2000 | 0 | 114 | 60-165 | 2316 | 1.57 | 30 | |
| Carbon tetrachloride | 1917 | 140 | 2000 | 0 | 95.8 | 65-140 | 1878 | 2.06 | 30 | |
| Chlorobenzene | 1862 | 130 | 2000 | 0 | 93.1 | 80-120 | 1792 | 3.83 | 30 | |
| Chloroethane | 2182 | 230 | 2000 | 0 | 109 | 31-172 | 2282 | 4.48 | 30 | |
| Chloroform | 1983 | 150 | 2000 | 0 | 99.2 | 66-135 | 2009 | 1.3 | 30 | |
| Chloromethane | 2133 | 280 | 2000 | 0 | 107 | 46-148 | 2218 | 3.91 | 30 | |
| cis-1,2-Dichloroethene | 1994 | 140 | 2000 | 0 | 99.7 | 75-134 | 2037 | 2.13 | 30 | |
| cis-1,3-Dichloropropene | 1922 | 190 | 2000 | 0 | 96.1 | 70-130 | 1869 | 2.8 | 30 | |
| Dibromochloromethane | 1749 | 130 | 2000 | 0 | 87.4 | 60-115 | 1692 | 3.31 | 30 | |
| Dichlorodifluoromethane | 2376 | 230 | 2000 | 0 | 119 | 20-120 | 2555 | 7.26 | 30 | |
| Ethylbenzene | 2025 | 110 | 2000 | 0 | 101 | 76-123 | 1888 | 7 | 30 | |
| Isopropylbenzene | 2042 | 120 | 2000 | 0 | 102 | 80-127 | 1917 | 6.31 | 30 | |
| m,p-Xylene | 4129 | 270 | 4000 | 71 | 101 | 75-130 | 3852 | 6.94 | 30 | |
| Methyl tert-butyl ether | 2125 | 150 | 2000 | 0 | 106 | 80-130 | 2256 | 5.98 | 30 | |
| Methylene chloride | 1952 | 290 | 2000 | 0 | 97.6 | 72-125 | 2043 | 4.56 | 30 | |
| Naphthalene | 2071 | 260 | 2000 | 0 | 104 | 55-160 | 2015 | 2.74 | 30 | |
| o-Xylene | 2041 | 100 | 2000 | 32 | 100 | 80-125 | 1911 | 6.58 | 30 | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20060564

Project: Grafton Lime Kiln LF

QC BATCH REPORT

| Batch ID: R290163b | Instrument ID VMS6 | | Method: SW8260C | | | | | | | |
|------------------------------------|---------------------------|----------|------------------------|----------|-------------|---------------|-------------|---------------|-----------|--|
| Styrene | 1997 | 110 | 2000 | 0 | 99.8 | 83-137 | 1865 | 6.84 | 30 | |
| Tetrachloroethene | 2107 | 130 | 2000 | 0 | 105 | 68-166 | 1990 | 5.71 | 30 | |
| Tetrahydrofuran | 2042 | 240 | 2000 | 0 | 102 | 54-139 | 2178 | 6.45 | 30 | |
| Toluene | 2054 | 150 | 2000 | 73 | 99 | 76-125 | 1991 | 3.11 | 30 | |
| trans-1,2-Dichloroethene | 2118 | 160 | 2000 | 0 | 106 | 80-140 | 2234 | 5.33 | 30 | |
| trans-1,3-Dichloropropene | 1850 | 270 | 2000 | 0 | 92.5 | 56-132 | 1747 | 5.73 | 30 | |
| Trichloroethene | 1927 | 140 | 2000 | 0 | 96.4 | 77-125 | 1964 | 1.9 | 30 | |
| Trichlorofluoromethane | 1558 | 170 | 2000 | 0 | 77.9 | 60-140 | 1636 | 4.88 | 30 | |
| Vinyl chloride | 2155 | 180 | 2000 | 0 | 108 | 50-136 | 2294 | 6.25 | 30 | |
| Xylenes, Total | 6170 | 440 | 6000 | 32 | 102 | 80-126 | 5763 | 6.82 | 30 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>1897</i> | <i>0</i> | <i>2000</i> | <i>0</i> | <i>94.8</i> | <i>75-120</i> | <i>2039</i> | <i>7.22</i> | <i>30</i> | |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>1963</i> | <i>0</i> | <i>2000</i> | <i>0</i> | <i>98.2</i> | <i>80-110</i> | <i>1900</i> | <i>3.26</i> | <i>30</i> | |
| <i>Surr: Dibromofluoromethane</i> | <i>1940</i> | <i>0</i> | <i>2000</i> | <i>0</i> | <i>97</i> | <i>85-115</i> | <i>1939</i> | <i>0.0516</i> | <i>30</i> | |
| <i>Surr: Toluene-d8</i> | <i>1972</i> | <i>0</i> | <i>2000</i> | <i>0</i> | <i>98.6</i> | <i>85-110</i> | <i>1996</i> | <i>1.21</i> | <i>30</i> | |

The following samples were analyzed in this batch:

20060564-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Cincinnati, OH
+1 513 733 5336

Fort Collins, CO
+1 970 490 1511

Everett, WA
+1 425 356 2600

Holland, MI
+1 616 399 6070

Chain of Custody Form

Houston, TX
+1 281 530 5656

Spring City, PA
+1 610 948 4903

Middletown, PA
+1 717 944 5541

Salt Lake City, UT
+1 801 266 7700

South Charleston, WV
+1 304 356 3168

York, PA
+1 717 505 5280

Page 1 of 1

COC ID: 192354

ALS Project Manager:

ALS Work Order #: 20060564

| Customer Information | | Project Information | | | | Parameter/Method Request for Analysis | | | | | | | | | | |
|----------------------|-------------------------------|---------------------|-----------------------|--|--|---------------------------------------|------|--|--|--|--|--|--|--|--|--|
| Purchase Order | | Project Name | Grafton Lime Kiln LF | | | A | VOCs | | | | | | | | | |
| Work Order | | Project Number | 383236 Project Task 2 | | | B | | | | | | | | | | |
| Company Name | TRC Environmental Corporation | Bill To Company | TRC Companies Inc | | | C | | | | | | | | | | |
| Send Report To | asobbe@trccompanies.com | Invoice Attn | Accounts Payable | | | D | | | | | | | | | | |
| Address | 190 N. Fairck Boulevard | Address | 21 Griffin Road North | | | E | | | | | | | | | | |
| | Suite 180 | | F | | | | | | | | | | | | | |
| City/State/Zip | Brookfield, WI 53045 | City/State/Zip | Windsor, CT 06095 | | | G | | | | | | | | | | |
| Phone | (262) 873-1210 | Phone | (860) 298-9692 | | | H | | | | | | | | | | |
| Fax | | Fax | (860) 298-0395 | | | I | | | | | | | | | | |
| e-Mail Address | | e-Mail Address | | | | J | | | | | | | | | | |

| No. | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|-----|--------------------|----------|------|--------|-------|-----------|---|---|---|---|---|---|---|---|---|---|------|
| 1 | P7B | 6-4-2020 | 1035 | GW | HCL | 3 | X | | | | | | | | | | |
| 2 | AS | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

| | | | | | | | | | |
|--|-------------------|---------------------------|---|---|----------------------|-----------------------------------|--|-------------------|--|
| Sampler(s) Please Print & Sign <i>Aaron Sobbe</i> | | Shipment Method Fed Ex | | Required Turnaround Time: (Check Box) <input checked="" type="checkbox"/> Std 10 WK Days <input type="checkbox"/> 5 WK Days <input type="checkbox"/> Other <input type="checkbox"/> 2 WK Days <input type="checkbox"/> 24 Hour | | | | Results Due Date: | |
| Relinquished by: <i>AAS</i> | Date: 6-4-2020 | Time: 1600 | Received by: <i>FED EX</i> | Notes: | | | | | |
| Relinquished by: FED EX | Date: 6/5/20 | Time: 1035 | Received by (Laboratory): <i>[Signature]</i> | Cooler ID SRI | Cooler Temp. 4.3C | QC Package: (Check One Box Below) | | | |
| Logged by (Laboratory): DES | Date: 6/5/20 | Time: 1515 | Checked by (Laboratory): <i>[Signature]</i> | <input type="checkbox"/> Level II Std QC <input type="checkbox"/> TRRP Check List <input type="checkbox"/> Level III Std QC/Raw Data <input type="checkbox"/> TRRP Level IV <input type="checkbox"/> Level IV (SV845)/CLP <input type="checkbox"/> Other | | | | | |
| Preservative Key: 1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-Na ₂ S ₂ O ₃ 6-NaHSO ₄ 7-Other 8-4°C 9-5035 | | | | | | | | | |

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
 2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
 3. The Chain of Custody is a legal document. All information must be completed accurately.

Sample Receipt Checklist

Client Name: **TRC - BROOKFIELD**

Date/Time Received: **05-Jun-20 10:30**

Work Order: **20060564**

Received by: **DS**

Checklist completed by Diane Shaw 05-Jun-20
eSignature Date

Reviewed by: Chad Whelton 05-Jun-20
eSignature Date

Matrices: Groundwater

Carrier name: FedEx

Shipping container/cooler in good condition? Yes No Not Present

Custody seals intact on shipping container/cooler? Yes No Not Present

Custody seals intact on sample bottles? Yes No Not Present

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No

Samples in proper container/bottle? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test? Yes No

All samples received within holding time? Yes No

Container/Temp Blank temperature in compliance? Yes No

Sample(s) received on ice? Yes No

Temperature(s)/Thermometer(s): 4.8/4.8 c SR1

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage: 6/5/2020 3:20:15 PM

Water - VOA vials have zero headspace? Yes No No VOA vials submitted

Water - pH acceptable upon receipt? Yes No N/A

pH adjusted? Yes No N/A

pH adjusted by:

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:



10-Sep-2020

Marita Stollenwerk
TRC Environmental Corporation
150 N. Patrick Boulevard
Suite 180
Brookfield, WI 53045

Re: **Grafton Lime Kiln LF**

Dear Marita,

Data assessment (ALS Environmental, Holland, MI/Work Order: 20090222):

All holding times, field and laboratory qc, and blanks met criteria, except as specified below.

- The LCS recoveries were above the upper control limits for Bromomethane and Dichlorodifluoromethane. All the sample results in the batch were non-detect. No qualification is required. Data has been reviewed per TRC data usability guidelines and is usable with the above notations.

- The Continuing Calibration Verification did not meet method acceptance criteria for the following analyte; results are to be considered estimate and qualified as "J": 1,2-Dibromoethane.

- MS/MSD:

The MS and/or MSD recoveries were above the upper control limits for Bromomethane and Dichlorodifluoromethane. Detected values may have a high bias and are qualified "J+"

The MSD recovery was above the upper control limit for Chloroethane. Detected values may have a high bias and are qualified "J+"

The parent sample for 20090222-02A MS was P2B. The MS/MSD were run at a DF=5, diluting out most recoveries. N/A
P Popp, 1/21/2021

ALS Environmental received 15 samples on 02-Sep-2020 10:30 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 54.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

Report of Laboratory Analysis

Certificate No: MN 026-999-449

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Work Order: 20090222

Work Order Sample Summary

| <u>Lab Samp ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Tag Number</u> | <u>Collection Date</u> | <u>Date Received</u> | <u>Hold</u> |
|--------------------|-------------------------|---------------|-------------------|------------------------|----------------------|--------------------------|
| 20090222-01 | MW2A | Water | | 9/1/2020 11:25 | 9/2/2020 10:30 | <input type="checkbox"/> |
| 20090222-02 | P2B | Water | | 8/31/2020 08:08 | 9/2/2020 10:30 | <input type="checkbox"/> |
| 20090222-03 | P3B | Water | | 8/31/2020 10:40 | 9/2/2020 10:30 | <input type="checkbox"/> |
| 20090222-04 | P7B | Water | | 8/31/2020 12:15 | 9/2/2020 10:30 | <input type="checkbox"/> |
| 20090222-05 | MW8A | Water | | 9/1/2020 08:13 | 9/2/2020 10:30 | <input type="checkbox"/> |
| 20090222-06 | P8B | Water | | 9/1/2020 09:15 | 9/2/2020 10:30 | <input type="checkbox"/> |
| 20090222-07 | P9B | Water | | 9/1/2020 10:30 | 9/2/2020 10:30 | <input type="checkbox"/> |
| 20090222-08 | P10B | Water | | 8/31/2020 09:30 | 9/2/2020 10:30 | <input type="checkbox"/> |
| 20090222-09 | PW1716LR | Water | | 8/31/2020 11:30 | 9/2/2020 10:30 | <input type="checkbox"/> |
| 20090222-10 | PW717HC | Water | | 9/1/2020 12:00 | 9/2/2020 10:30 | <input type="checkbox"/> |
| 20090222-11 | PW1530LR | Water | | 9/1/2020 12:35 | 9/2/2020 10:30 | <input type="checkbox"/> |
| 20090222-12 | PW461HR | Water | | 9/1/2020 13:00 | 9/2/2020 10:30 | <input type="checkbox"/> |
| 20090222-13 | PW1587LR | Water | | 9/1/2020 13:25 | 9/2/2020 10:30 | <input type="checkbox"/> |
| 20090222-14 | DUP-1 | Water | | 9/1/2020 | 9/2/2020 10:30 | <input type="checkbox"/> |
| 20090222-15 | Trip Blank | Water | | 9/1/2020 | 9/2/2020 10:30 | <input type="checkbox"/> |

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Work Order: 20090222

Case Narrative

Samples for the above noted Work Order were received on 09/02/2020. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, sample condition, preservation, and temperature compliance.

In order to ensure compliance with NR 149 criteria, please note the following report format:

- (1) The Limit of Detection (LOD) is reported as the MDL (Method Detection Limit)
- (2) The Limit of Quantitation (LOQ) is reported as the PQL (Practical Quantitation Limit)
- (3) All reported concentrations, including those for the LOD and LOQ, are adjusted for any required dilutions
- (4) All reported concentrations, including those for the LOD and LOQ, are adjusted for moisture content when samples are reported on a dry weight basis.

Samples were analyzed according to the analytical methodology previously documented in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Detail as to the associated samples can be found at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, acronyms, and units utilized in reporting.

With the following exceptions, all sample analyses achieved analytical criteria.

Volatile Organics

Batch R297530w, Method WI_VOC_8260_W, Sample 20090222-14A MS/MSD: The MS/MSD recoveries were above the upper control limits for Bromomethane and Dichlorodifluoromethane. The corresponding results in the parent sample were non-detect, therefore no qualification is required.

Batch R297530w, Method WI_VOC_8260_W, Sample 20090222-14A MSD: The MSD recovery was above the upper control limit for Chloroethane. However, the MS recovery and the RPD between the MS and MSD were within control limits. No qualification is required.

Batch R297530w, Method WI_VOC_8260_W, Sample VLCSW1-200907: The LCS recoveries were above the upper control limits for Bromomethane and Dichlorodifluoromethane. All the sample results in the batch were non-detect. No qualification is required.

Batch R297655B, Method WI_VOC_8260_W, Samples 20090222-01A, -02A, -05A, -06A, and -14A: The Continuing Calibration Verification did not meet method acceptance criteria for the following analytes; results are to be considered estimate: 1,2-Dibromoethane.

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Work Order: 20090222

Case Narrative

Batch R297655B, Method WI_VOC_8260_W, Sample 20090222-02A MS/MSD: The MS/MSD recovery was above the upper control limit for Bromomethane. The corresponding result in the parent sample was non-detect, therefore no qualification is required.

Batch R297655B, Method WI_VOC_8260_W, Sample 20090222-02A MS/MSD: The MS/MSD recoveries were below the lower control limits for multiple compounds per the QC report. The corresponding results in the parent sample may be biased low for these analytes.

Batch R297655B, Method WI_VOC_8260_W, Sample VLCSW1-200908: The LCS recoveries were above the upper control limits for Bromomethane and Dichlorodifluoromethane. All the sample results in the batch were non-detect. No qualification is required.

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
WorkOrder: 20090222

**QUALIFIERS,
ACRONYMS, UNITS**

| <u>Qualifier</u> | <u>Description</u> |
|------------------|---|
| * | Value exceeds Regulatory Limit |
| ** | Estimated Value |
| a | Analyte is non-accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| Hr | BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated. |
| J | Analyte is present at an estimated concentration between the MDL and Report Limit |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL |
| X | Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. |

| <u>Acronym</u> | <u>Description</u> |
|----------------|-------------------------------------|
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| LOD | Limit of Detection (see MDL) |
| LOQ | Limit of Quantitation (see PQL) |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| TDL | Target Detection Limit |
| TNTC | Too Numerous To Count |
| A | APHA Standard Methods |
| D | ASTM |
| E | EPA |
| SW | SW-846 Update III |

| <u>Units Reported</u> | <u>Description</u> |
|-----------------------|----------------------|
| µg/L | Micrograms per Liter |

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: MW2A
Collection Date: 9/1/2020 11:25 AM

Work Order: 20090222
Lab ID: 20090222-01
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|------------|------|-----------------|--------------|-------------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | | Analyst: MF |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/8/2020 21:55 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/8/2020 21:55 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/8/2020 21:55 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/8/2020 21:55 |
| 1,1-Dichloroethane | 8.0 | | 0.44 | 1.5 | µg/L | 1 | 9/8/2020 21:55 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 9/8/2020 21:55 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 9/8/2020 21:55 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/8/2020 21:55 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/8/2020 21:55 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 9/8/2020 21:55 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 9/8/2020 21:55 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 9/8/2020 21:55 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 9/8/2020 21:55 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 9/8/2020 21:55 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 9/8/2020 21:55 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 9/8/2020 21:55 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/8/2020 21:55 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/8/2020 21:55 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 9/8/2020 21:55 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/8/2020 21:55 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 9/8/2020 21:55 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 9/8/2020 21:55 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 9/8/2020 21:55 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 9/8/2020 21:55 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 9/8/2020 21:55 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 9/8/2020 21:55 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 9/8/2020 21:55 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 9/8/2020 21:55 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 9/8/2020 21:55 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/8/2020 21:55 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 9/8/2020 21:55 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 9/8/2020 21:55 |
| cis-1,2-Dichloroethene | 1.6 | | 0.42 | 1.4 | µg/L | 1 | 9/8/2020 21:55 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 9/8/2020 21:55 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 9/8/2020 21:55 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/8/2020 21:55 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/8/2020 21:55 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 9/8/2020 21:55 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
 Project: Grafton Lime Kiln LF
 Sample ID: MW2A
 Collection Date: 9/1/2020 11:25 AM

Work Order: 20090222
 Lab ID: 20090222-01
 Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|------------|------|-------------|--------------|-------------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/8/2020 21:55 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 9/8/2020 21:55 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 9/8/2020 21:55 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 9/8/2020 21:55 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 9/8/2020 21:55 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 9/8/2020 21:55 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 9/8/2020 21:55 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 9/8/2020 21:55 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 9/8/2020 21:55 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 9/8/2020 21:55 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 9/8/2020 21:55 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 9/8/2020 21:55 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 9/8/2020 21:55 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 9/8/2020 21:55 |
| Trichloroethene | 2.6 | | 0.43 | 1.4 | µg/L | 1 | 9/8/2020 21:55 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/8/2020 21:55 |
| Vinyl chloride | 4.0 | | 0.53 | 1.8 | µg/L | 1 | 9/8/2020 21:55 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 9/8/2020 21:55 |
| Surr: 1,2-Dichloroethane-d4 | 102 | | | 75-120 | %REC | 1 | 9/8/2020 21:55 |
| Surr: 4-Bromofluorobenzene | 101 | | | 80-110 | %REC | 1 | 9/8/2020 21:55 |
| Surr: Dibromofluoromethane | 101 | | | 85-115 | %REC | 1 | 9/8/2020 21:55 |
| Surr: Toluene-d8 | 102 | | | 85-110 | %REC | 1 | 9/8/2020 21:55 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: P2B
Collection Date: 8/31/2020 08:08 AM

Work Order: 20090222
Lab ID: 20090222-02
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|------------|------|-----------------|--------------|-------------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: MF | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/9/2020 00:37 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/9/2020 00:37 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/9/2020 00:37 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/9/2020 00:37 |
| 1,1-Dichloroethane | 5.1 | | 0.44 | 1.5 | µg/L | 1 | 9/9/2020 00:37 |
| 1,1-Dichloroethene | 1.0 | J | 0.40 | 1.4 | µg/L | 1 | 9/9/2020 00:37 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 9/9/2020 00:37 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/9/2020 00:37 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/9/2020 00:37 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 9/9/2020 00:37 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 9/9/2020 00:37 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 9/9/2020 00:37 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 9/9/2020 00:37 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 9/9/2020 00:37 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 9/9/2020 00:37 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 9/9/2020 00:37 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/9/2020 00:37 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/9/2020 00:37 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 9/9/2020 00:37 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/9/2020 00:37 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 9/9/2020 00:37 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 9/9/2020 00:37 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 9/9/2020 00:37 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 9/9/2020 00:37 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 9/9/2020 00:37 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 9/9/2020 00:37 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 9/9/2020 00:37 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 9/9/2020 00:37 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 9/9/2020 00:37 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/9/2020 00:37 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 9/9/2020 00:37 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 9/9/2020 00:37 |
| cis-1,2-Dichloroethene | 210 | | 2.1 | 6.9 | µg/L | 5 | 9/8/2020 21:38 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 9/9/2020 00:37 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 9/9/2020 00:37 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/9/2020 00:37 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/9/2020 00:37 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 9/9/2020 00:37 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: P2B
Collection Date: 8/31/2020 08:08 AM

Work Order: 20090222
Lab ID: 20090222-02
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|---------------------------------|------------|------|-------------|--------------|-------------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/9/2020 00:37 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 9/9/2020 00:37 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 9/9/2020 00:37 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 9/9/2020 00:37 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 9/9/2020 00:37 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 9/9/2020 00:37 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 9/9/2020 00:37 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 9/9/2020 00:37 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 9/9/2020 00:37 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 9/9/2020 00:37 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 9/9/2020 00:37 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 9/9/2020 00:37 |
| trans-1,2-Dichloroethene | 3.5 | | 0.48 | 1.6 | µg/L | 1 | 9/9/2020 00:37 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 9/9/2020 00:37 |
| Trichloroethene | 71 | | 0.43 | 1.4 | µg/L | 1 | 9/9/2020 00:37 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/9/2020 00:37 |
| Vinyl chloride | 160 | | 2.6 | 8.8 | µg/L | 5 | 9/8/2020 21:38 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 9/9/2020 00:37 |
| Surr: 1,2-Dichloroethane-d4 | 102 | | | 75-120 | %REC | 5 | 9/8/2020 21:38 |
| Surr: 1,2-Dichloroethane-d4 | 104 | | | 75-120 | %REC | 1 | 9/9/2020 00:37 |
| Surr: 4-Bromofluorobenzene | 100 | | | 80-110 | %REC | 5 | 9/8/2020 21:38 |
| Surr: 4-Bromofluorobenzene | 99.9 | | | 80-110 | %REC | 1 | 9/9/2020 00:37 |
| Surr: Dibromofluoromethane | 96.0 | | | 85-115 | %REC | 5 | 9/8/2020 21:38 |
| Surr: Dibromofluoromethane | 100 | | | 85-115 | %REC | 1 | 9/9/2020 00:37 |
| Surr: Toluene-d8 | 103 | | | 85-110 | %REC | 5 | 9/8/2020 21:38 |
| Surr: Toluene-d8 | 103 | | | 85-110 | %REC | 1 | 9/9/2020 00:37 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: TRC Environmental Corporation
 Project: Grafton Lime Kiln LF
 Sample ID: P3B
 Collection Date: 8/31/2020 10:40 AM

Work Order: 20090222
 Lab ID: 20090222-03
 Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|-------------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | Analyst: MF | | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 14:47 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 14:47 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 14:47 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 14:47 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 9/7/2020 14:47 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 9/7/2020 14:47 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 9/7/2020 14:47 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 14:47 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 14:47 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 9/7/2020 14:47 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 9/7/2020 14:47 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 9/7/2020 14:47 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 9/7/2020 14:47 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 9/7/2020 14:47 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 9/7/2020 14:47 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 9/7/2020 14:47 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 14:47 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 14:47 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 9/7/2020 14:47 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 14:47 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 9/7/2020 14:47 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 14:47 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 14:47 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 9/7/2020 14:47 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 9/7/2020 14:47 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 9/7/2020 14:47 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 9/7/2020 14:47 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 9/7/2020 14:47 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 14:47 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/7/2020 14:47 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 14:47 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 9/7/2020 14:47 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 9/7/2020 14:47 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 9/7/2020 14:47 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 9/7/2020 14:47 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 14:47 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/7/2020 14:47 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 9/7/2020 14:47 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
 Project: Grafton Lime Kiln LF
 Sample ID: P3B
 Collection Date: 8/31/2020 10:40 AM

Work Order: 20090222
 Lab ID: 20090222-03
 Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|------------|------|-------------|--------------|-------------|-----------------|----------------|
| Isopropylbenzene | | U | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 14:47 |
| m,p-Xylene | | U | 0.81 | 2.7 | µg/L | 1 | 9/7/2020 14:47 |
| Methyl acetate | | U | 0.59 | 2.0 | µg/L | 1 | 9/7/2020 14:47 |
| Methyl tert-butyl ether | | U | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 14:47 |
| Methylcyclohexane | | U | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 14:47 |
| Methylene chloride | | U | 0.86 | 2.9 | µg/L | 1 | 9/7/2020 14:47 |
| Naphthalene | | U | 0.77 | 2.6 | µg/L | 1 | 9/7/2020 14:47 |
| o-Xylene | | U | 0.31 | 1.0 | µg/L | 1 | 9/7/2020 14:47 |
| Styrene | | U | 0.33 | 1.1 | µg/L | 1 | 9/7/2020 14:47 |
| Tetrachloroethene | 1.4 | | 0.39 | 1.3 | µg/L | 1 | 9/7/2020 14:47 |
| Tetrahydrofuran | | U | 0.73 | 2.4 | µg/L | 1 | 9/7/2020 14:47 |
| Toluene | | U | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 14:47 |
| trans-1,2-Dichloroethene | | U | 0.48 | 1.6 | µg/L | 1 | 9/7/2020 14:47 |
| trans-1,3-Dichloropropene | | U | 0.38 | 2.7 | µg/L | 1 | 9/7/2020 14:47 |
| Trichloroethene | 16 | | 0.43 | 1.4 | µg/L | 1 | 9/7/2020 14:47 |
| Trichlorofluoromethane | | U | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 14:47 |
| Vinyl chloride | | U | 0.53 | 1.8 | µg/L | 1 | 9/7/2020 14:47 |
| Xylenes, Total | | U | 0.81 | 4.4 | µg/L | 1 | 9/7/2020 14:47 |
| Surr: 1,2-Dichloroethane-d4 | 101 | | | 75-120 | %REC | 1 | 9/7/2020 14:47 |
| Surr: 4-Bromofluorobenzene | 98.2 | | | 80-110 | %REC | 1 | 9/7/2020 14:47 |
| Surr: Dibromofluoromethane | 99.5 | | | 85-115 | %REC | 1 | 9/7/2020 14:47 |
| Surr: Toluene-d8 | 101 | | | 85-110 | %REC | 1 | 9/7/2020 14:47 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: P7B
Collection Date: 8/31/2020 12:15 PM

Work Order: 20090222
Lab ID: 20090222-04
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|-------------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | Analyst: MF | | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 15:03 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 15:03 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 15:03 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 15:03 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 9/7/2020 15:03 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 9/7/2020 15:03 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 9/7/2020 15:03 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 15:03 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 15:03 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 9/7/2020 15:03 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 9/7/2020 15:03 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 9/7/2020 15:03 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 9/7/2020 15:03 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 9/7/2020 15:03 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 9/7/2020 15:03 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 9/7/2020 15:03 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 15:03 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 15:03 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 9/7/2020 15:03 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 15:03 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 9/7/2020 15:03 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 15:03 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 15:03 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 9/7/2020 15:03 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 9/7/2020 15:03 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 9/7/2020 15:03 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 9/7/2020 15:03 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 9/7/2020 15:03 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 15:03 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/7/2020 15:03 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 15:03 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 9/7/2020 15:03 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 9/7/2020 15:03 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 9/7/2020 15:03 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 9/7/2020 15:03 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 15:03 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/7/2020 15:03 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 9/7/2020 15:03 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: P7B
Collection Date: 8/31/2020 12:15 PM

Work Order: 20090222
Lab ID: 20090222-04
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|--------|------|------|--------------|-------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 15:03 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 9/7/2020 15:03 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 9/7/2020 15:03 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 15:03 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 15:03 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 9/7/2020 15:03 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 9/7/2020 15:03 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 9/7/2020 15:03 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 9/7/2020 15:03 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 9/7/2020 15:03 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 9/7/2020 15:03 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 15:03 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 9/7/2020 15:03 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 9/7/2020 15:03 |
| Trichloroethene | U | | 0.43 | 1.4 | µg/L | 1 | 9/7/2020 15:03 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 15:03 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 9/7/2020 15:03 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 9/7/2020 15:03 |
| Surr: 1,2-Dichloroethane-d4 | 99.4 | | | 75-120 | %REC | 1 | 9/7/2020 15:03 |
| Surr: 4-Bromofluorobenzene | 99.8 | | | 80-110 | %REC | 1 | 9/7/2020 15:03 |
| Surr: Dibromofluoromethane | 99.2 | | | 85-115 | %REC | 1 | 9/7/2020 15:03 |
| Surr: Toluene-d8 | 103 | | | 85-110 | %REC | 1 | 9/7/2020 15:03 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: MW8A
Collection Date: 9/1/2020 08:13 AM

Work Order: 20090222
Lab ID: 20090222-05
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|------------|------|------------------------|--------------|--------------------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | Analyst: MF | | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/8/2020 22:11 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/8/2020 22:11 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/8/2020 22:11 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/8/2020 22:11 |
| 1,1-Dichloroethane | 3.9 | | 0.44 | 1.5 | µg/L | 1 | 9/8/2020 22:11 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 9/8/2020 22:11 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 9/8/2020 22:11 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/8/2020 22:11 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/8/2020 22:11 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 9/8/2020 22:11 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 9/8/2020 22:11 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 9/8/2020 22:11 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 9/8/2020 22:11 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 9/8/2020 22:11 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 9/8/2020 22:11 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 9/8/2020 22:11 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/8/2020 22:11 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/8/2020 22:11 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 9/8/2020 22:11 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/8/2020 22:11 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 9/8/2020 22:11 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 9/8/2020 22:11 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 9/8/2020 22:11 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 9/8/2020 22:11 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 9/8/2020 22:11 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 9/8/2020 22:11 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 9/8/2020 22:11 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 9/8/2020 22:11 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 9/8/2020 22:11 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/8/2020 22:11 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 9/8/2020 22:11 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 9/8/2020 22:11 |
| cis-1,2-Dichloroethene | 35 | | 0.42 | 1.4 | µg/L | 1 | 9/8/2020 22:11 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 9/8/2020 22:11 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 9/8/2020 22:11 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/8/2020 22:11 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/8/2020 22:11 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 9/8/2020 22:11 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: MW8A
Collection Date: 9/1/2020 08:13 AM

Work Order: 20090222
Lab ID: 20090222-05
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|-------------|----------|-------------|--------------|-------------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/8/2020 22:11 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 9/8/2020 22:11 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 9/8/2020 22:11 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 9/8/2020 22:11 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 9/8/2020 22:11 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 9/8/2020 22:11 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 9/8/2020 22:11 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 9/8/2020 22:11 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 9/8/2020 22:11 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 9/8/2020 22:11 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 9/8/2020 22:11 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 9/8/2020 22:11 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 9/8/2020 22:11 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 9/8/2020 22:11 |
| Trichloroethene | 3.8 | | 0.43 | 1.4 | µg/L | 1 | 9/8/2020 22:11 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/8/2020 22:11 |
| Vinyl chloride | 0.88 | J | 0.53 | 1.8 | µg/L | 1 | 9/8/2020 22:11 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 9/8/2020 22:11 |
| Surr: 1,2-Dichloroethane-d4 | 99.0 | | | 75-120 | %REC | 1 | 9/8/2020 22:11 |
| Surr: 4-Bromofluorobenzene | 99.4 | | | 80-110 | %REC | 1 | 9/8/2020 22:11 |
| Surr: Dibromofluoromethane | 99.1 | | | 85-115 | %REC | 1 | 9/8/2020 22:11 |
| Surr: Toluene-d8 | 103 | | | 85-110 | %REC | 1 | 9/8/2020 22:11 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: P8B
Collection Date: 9/1/2020 09:15 AM

Work Order: 20090222
Lab ID: 20090222-06
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|-------------|------|-----------------|--------------|-------------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: MF | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/8/2020 22:27 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/8/2020 22:27 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/8/2020 22:27 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/8/2020 22:27 |
| 1,1-Dichloroethane | 3.5 | | 0.44 | 1.5 | µg/L | 1 | 9/8/2020 22:27 |
| 1,1-Dichloroethene | 0.88 | J | 0.40 | 1.4 | µg/L | 1 | 9/8/2020 22:27 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 9/8/2020 22:27 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/8/2020 22:27 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/8/2020 22:27 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 9/8/2020 22:27 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 9/8/2020 22:27 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 9/8/2020 22:27 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 9/8/2020 22:27 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 9/8/2020 22:27 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 9/8/2020 22:27 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 9/8/2020 22:27 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/8/2020 22:27 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/8/2020 22:27 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 9/8/2020 22:27 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/8/2020 22:27 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 9/8/2020 22:27 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 9/8/2020 22:27 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 9/8/2020 22:27 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 9/8/2020 22:27 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 9/8/2020 22:27 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 9/8/2020 22:27 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 9/8/2020 22:27 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 9/8/2020 22:27 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 9/8/2020 22:27 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/8/2020 22:27 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 9/8/2020 22:27 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 9/8/2020 22:27 |
| cis-1,2-Dichloroethene | 33 | | 0.42 | 1.4 | µg/L | 1 | 9/8/2020 22:27 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 9/8/2020 22:27 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 9/8/2020 22:27 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/8/2020 22:27 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/8/2020 22:27 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 9/8/2020 22:27 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: P8B
Collection Date: 9/1/2020 09:15 AM

Work Order: 20090222
Lab ID: 20090222-06
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|------------|------|-------------|--------------|-------------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/8/2020 22:27 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 9/8/2020 22:27 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 9/8/2020 22:27 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 9/8/2020 22:27 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 9/8/2020 22:27 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 9/8/2020 22:27 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 9/8/2020 22:27 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 9/8/2020 22:27 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 9/8/2020 22:27 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 9/8/2020 22:27 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 9/8/2020 22:27 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 9/8/2020 22:27 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 9/8/2020 22:27 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 9/8/2020 22:27 |
| Trichloroethene | 72 | | 0.43 | 1.4 | µg/L | 1 | 9/8/2020 22:27 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/8/2020 22:27 |
| Vinyl chloride | 2.0 | | 0.53 | 1.8 | µg/L | 1 | 9/8/2020 22:27 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 9/8/2020 22:27 |
| Surr: 1,2-Dichloroethane-d4 | 101 | | | 75-120 | %REC | 1 | 9/8/2020 22:27 |
| Surr: 4-Bromofluorobenzene | 102 | | | 80-110 | %REC | 1 | 9/8/2020 22:27 |
| Surr: Dibromofluoromethane | 99.4 | | | 85-115 | %REC | 1 | 9/8/2020 22:27 |
| Surr: Toluene-d8 | 102 | | | 85-110 | %REC | 1 | 9/8/2020 22:27 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: P9B
Collection Date: 9/1/2020 10:30 AM

Work Order: 20090222
Lab ID: 20090222-07
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|---------------------------------------|-----------|------|-----------------|--------------|-------------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: MF | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 15:52 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 15:52 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 15:52 |
| 1,1,2-Trichlorotrifluoroethane | 47 | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 15:52 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 9/7/2020 15:52 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 9/7/2020 15:52 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 9/7/2020 15:52 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 15:52 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 15:52 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 9/7/2020 15:52 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 9/7/2020 15:52 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 9/7/2020 15:52 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 9/7/2020 15:52 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 9/7/2020 15:52 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 9/7/2020 15:52 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 9/7/2020 15:52 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 15:52 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 15:52 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 9/7/2020 15:52 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 15:52 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 9/7/2020 15:52 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 15:52 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 15:52 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 9/7/2020 15:52 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 9/7/2020 15:52 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 9/7/2020 15:52 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 9/7/2020 15:52 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 9/7/2020 15:52 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 15:52 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/7/2020 15:52 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 15:52 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 9/7/2020 15:52 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 9/7/2020 15:52 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 9/7/2020 15:52 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 9/7/2020 15:52 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 15:52 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/7/2020 15:52 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 9/7/2020 15:52 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: P9B
Collection Date: 9/1/2020 10:30 AM

Work Order: 20090222
Lab ID: 20090222-07
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|------------|------|-------------|--------------|-------------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 15:52 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 9/7/2020 15:52 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 9/7/2020 15:52 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 15:52 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 15:52 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 9/7/2020 15:52 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 9/7/2020 15:52 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 9/7/2020 15:52 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 9/7/2020 15:52 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 9/7/2020 15:52 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 9/7/2020 15:52 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 15:52 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 9/7/2020 15:52 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 9/7/2020 15:52 |
| Trichloroethene | 7.2 | | 0.43 | 1.4 | µg/L | 1 | 9/7/2020 15:52 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 15:52 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 9/7/2020 15:52 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 9/7/2020 15:52 |
| Surr: 1,2-Dichloroethane-d4 | 101 | | | 75-120 | %REC | 1 | 9/7/2020 15:52 |
| Surr: 4-Bromofluorobenzene | 101 | | | 80-110 | %REC | 1 | 9/7/2020 15:52 |
| Surr: Dibromofluoromethane | 99.6 | | | 85-115 | %REC | 1 | 9/7/2020 15:52 |
| Surr: Toluene-d8 | 102 | | | 85-110 | %REC | 1 | 9/7/2020 15:52 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: P10B
Collection Date: 8/31/2020 09:30 AM

Work Order: 20090222
Lab ID: 20090222-08
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|---------------------------------------|-----------|------|-----------------|--------------|-------------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | | Analyst: MF |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 16:08 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 16:08 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 16:08 |
| 1,1,2-Trichlorotrifluoroethane | 30 | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 16:08 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 9/7/2020 16:08 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 9/7/2020 16:08 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 9/7/2020 16:08 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 16:08 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 16:08 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 9/7/2020 16:08 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 9/7/2020 16:08 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 9/7/2020 16:08 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 9/7/2020 16:08 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 9/7/2020 16:08 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 9/7/2020 16:08 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 9/7/2020 16:08 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 16:08 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 16:08 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 9/7/2020 16:08 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 16:08 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 9/7/2020 16:08 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 16:08 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 16:08 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 9/7/2020 16:08 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 9/7/2020 16:08 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 9/7/2020 16:08 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 9/7/2020 16:08 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 9/7/2020 16:08 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 16:08 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/7/2020 16:08 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 16:08 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 9/7/2020 16:08 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 9/7/2020 16:08 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 9/7/2020 16:08 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 9/7/2020 16:08 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 16:08 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/7/2020 16:08 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 9/7/2020 16:08 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
 Project: Grafton Lime Kiln LF
 Sample ID: P10B
 Collection Date: 8/31/2020 09:30 AM

Work Order: 20090222
 Lab ID: 20090222-08
 Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|------------|------|-------------|--------------|-------------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 16:08 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 9/7/2020 16:08 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 9/7/2020 16:08 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 16:08 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 16:08 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 9/7/2020 16:08 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 9/7/2020 16:08 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 9/7/2020 16:08 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 9/7/2020 16:08 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 9/7/2020 16:08 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 9/7/2020 16:08 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 16:08 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 9/7/2020 16:08 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 9/7/2020 16:08 |
| Trichloroethene | 1.6 | | 0.43 | 1.4 | µg/L | 1 | 9/7/2020 16:08 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 16:08 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 9/7/2020 16:08 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 9/7/2020 16:08 |
| Surr: 1,2-Dichloroethane-d4 | 105 | | | 75-120 | %REC | 1 | 9/7/2020 16:08 |
| Surr: 4-Bromofluorobenzene | 97.8 | | | 80-110 | %REC | 1 | 9/7/2020 16:08 |
| Surr: Dibromofluoromethane | 108 | | | 85-115 | %REC | 1 | 9/7/2020 16:08 |
| Surr: Toluene-d8 | 102 | | | 85-110 | %REC | 1 | 9/7/2020 16:08 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: PW1716LR
Collection Date: 8/31/2020 11:30 AM

Work Order: 20090222
Lab ID: 20090222-09
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|-------------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | Analyst: MF | | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 16:24 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 16:24 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 16:24 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 16:24 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 9/7/2020 16:24 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 9/7/2020 16:24 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 9/7/2020 16:24 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 16:24 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 16:24 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 9/7/2020 16:24 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 9/7/2020 16:24 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 9/7/2020 16:24 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 9/7/2020 16:24 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 9/7/2020 16:24 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 9/7/2020 16:24 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 9/7/2020 16:24 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 16:24 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 16:24 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 9/7/2020 16:24 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 16:24 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 9/7/2020 16:24 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 16:24 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 16:24 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 9/7/2020 16:24 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 9/7/2020 16:24 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 9/7/2020 16:24 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 9/7/2020 16:24 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 9/7/2020 16:24 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 16:24 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/7/2020 16:24 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 16:24 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 9/7/2020 16:24 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 9/7/2020 16:24 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 9/7/2020 16:24 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 9/7/2020 16:24 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 16:24 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/7/2020 16:24 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 9/7/2020 16:24 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: PW1716LR
Collection Date: 8/31/2020 11:30 AM

Work Order: 20090222
Lab ID: 20090222-09
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|--------|------|------|--------------|-------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 16:24 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 9/7/2020 16:24 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 9/7/2020 16:24 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 16:24 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 16:24 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 9/7/2020 16:24 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 9/7/2020 16:24 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 9/7/2020 16:24 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 9/7/2020 16:24 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 9/7/2020 16:24 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 9/7/2020 16:24 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 16:24 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 9/7/2020 16:24 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 9/7/2020 16:24 |
| Trichloroethene | U | | 0.43 | 1.4 | µg/L | 1 | 9/7/2020 16:24 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 16:24 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 9/7/2020 16:24 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 9/7/2020 16:24 |
| Surr: 1,2-Dichloroethane-d4 | 101 | | | 75-120 | %REC | 1 | 9/7/2020 16:24 |
| Surr: 4-Bromofluorobenzene | 101 | | | 80-110 | %REC | 1 | 9/7/2020 16:24 |
| Surr: Dibromofluoromethane | 104 | | | 85-115 | %REC | 1 | 9/7/2020 16:24 |
| Surr: Toluene-d8 | 102 | | | 85-110 | %REC | 1 | 9/7/2020 16:24 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: PW717HC
Collection Date: 9/1/2020 12:00 PM

Work Order: 20090222
Lab ID: 20090222-10
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|-------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: MF | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 16:41 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 16:41 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 16:41 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 16:41 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 9/7/2020 16:41 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 9/7/2020 16:41 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 9/7/2020 16:41 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 16:41 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 16:41 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 9/7/2020 16:41 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 9/7/2020 16:41 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 9/7/2020 16:41 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 9/7/2020 16:41 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 9/7/2020 16:41 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 9/7/2020 16:41 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 9/7/2020 16:41 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 16:41 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 16:41 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 9/7/2020 16:41 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 16:41 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 9/7/2020 16:41 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 16:41 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 16:41 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 9/7/2020 16:41 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 9/7/2020 16:41 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 9/7/2020 16:41 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 9/7/2020 16:41 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 9/7/2020 16:41 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 16:41 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/7/2020 16:41 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 16:41 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 9/7/2020 16:41 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 9/7/2020 16:41 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 9/7/2020 16:41 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 9/7/2020 16:41 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 16:41 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/7/2020 16:41 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 9/7/2020 16:41 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: PW717HC
Collection Date: 9/1/2020 12:00 PM

Work Order: 20090222
Lab ID: 20090222-10
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|--------|------|------|--------------|-------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 16:41 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 9/7/2020 16:41 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 9/7/2020 16:41 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 16:41 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 16:41 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 9/7/2020 16:41 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 9/7/2020 16:41 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 9/7/2020 16:41 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 9/7/2020 16:41 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 9/7/2020 16:41 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 9/7/2020 16:41 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 16:41 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 9/7/2020 16:41 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 9/7/2020 16:41 |
| Trichloroethene | U | | 0.43 | 1.4 | µg/L | 1 | 9/7/2020 16:41 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 16:41 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 9/7/2020 16:41 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 9/7/2020 16:41 |
| Surr: 1,2-Dichloroethane-d4 | 103 | | | 75-120 | %REC | 1 | 9/7/2020 16:41 |
| Surr: 4-Bromofluorobenzene | 96.6 | | | 80-110 | %REC | 1 | 9/7/2020 16:41 |
| Surr: Dibromofluoromethane | 102 | | | 85-115 | %REC | 1 | 9/7/2020 16:41 |
| Surr: Toluene-d8 | 101 | | | 85-110 | %REC | 1 | 9/7/2020 16:41 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: PW1530LR
Collection Date: 9/1/2020 12:35 PM

Work Order: 20090222
Lab ID: 20090222-11
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|-------------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | Analyst: MF | | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 16:57 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 16:57 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 16:57 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 16:57 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 9/7/2020 16:57 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 9/7/2020 16:57 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 9/7/2020 16:57 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 16:57 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 16:57 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 9/7/2020 16:57 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 9/7/2020 16:57 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 9/7/2020 16:57 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 9/7/2020 16:57 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 9/7/2020 16:57 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 9/7/2020 16:57 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 9/7/2020 16:57 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 16:57 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 16:57 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 9/7/2020 16:57 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 16:57 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 9/7/2020 16:57 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 16:57 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 16:57 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 9/7/2020 16:57 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 9/7/2020 16:57 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 9/7/2020 16:57 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 9/7/2020 16:57 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 9/7/2020 16:57 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 16:57 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/7/2020 16:57 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 16:57 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 9/7/2020 16:57 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 9/7/2020 16:57 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 9/7/2020 16:57 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 9/7/2020 16:57 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 16:57 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/7/2020 16:57 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 9/7/2020 16:57 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: PW1530LR
Collection Date: 9/1/2020 12:35 PM

Work Order: 20090222
Lab ID: 20090222-11
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|--------|------|------|--------------|-------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 16:57 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 9/7/2020 16:57 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 9/7/2020 16:57 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 16:57 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 16:57 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 9/7/2020 16:57 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 9/7/2020 16:57 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 9/7/2020 16:57 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 9/7/2020 16:57 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 9/7/2020 16:57 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 9/7/2020 16:57 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 16:57 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 9/7/2020 16:57 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 9/7/2020 16:57 |
| Trichloroethene | U | | 0.43 | 1.4 | µg/L | 1 | 9/7/2020 16:57 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 16:57 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 9/7/2020 16:57 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 9/7/2020 16:57 |
| Surr: 1,2-Dichloroethane-d4 | 101 | | | 75-120 | %REC | 1 | 9/7/2020 16:57 |
| Surr: 4-Bromofluorobenzene | 99.0 | | | 80-110 | %REC | 1 | 9/7/2020 16:57 |
| Surr: Dibromofluoromethane | 99.7 | | | 85-115 | %REC | 1 | 9/7/2020 16:57 |
| Surr: Toluene-d8 | 104 | | | 85-110 | %REC | 1 | 9/7/2020 16:57 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: PW461HR
Collection Date: 9/1/2020 01:00 PM

Work Order: 20090222
Lab ID: 20090222-12
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|-------------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | Analyst: MF | | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 17:13 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 17:13 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 17:13 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 17:13 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 9/7/2020 17:13 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 9/7/2020 17:13 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 9/7/2020 17:13 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 17:13 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 17:13 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 9/7/2020 17:13 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 9/7/2020 17:13 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 9/7/2020 17:13 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 9/7/2020 17:13 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 9/7/2020 17:13 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 9/7/2020 17:13 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 9/7/2020 17:13 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 17:13 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 17:13 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 9/7/2020 17:13 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 17:13 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 9/7/2020 17:13 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 17:13 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 17:13 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 9/7/2020 17:13 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 9/7/2020 17:13 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 9/7/2020 17:13 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 9/7/2020 17:13 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 9/7/2020 17:13 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 17:13 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/7/2020 17:13 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 17:13 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 9/7/2020 17:13 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 9/7/2020 17:13 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 9/7/2020 17:13 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 9/7/2020 17:13 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 17:13 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/7/2020 17:13 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 9/7/2020 17:13 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: PW461HR
Collection Date: 9/1/2020 01:00 PM

Work Order: 20090222
Lab ID: 20090222-12
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|--------|------|------|--------------|-------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 17:13 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 9/7/2020 17:13 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 9/7/2020 17:13 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 17:13 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 17:13 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 9/7/2020 17:13 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 9/7/2020 17:13 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 9/7/2020 17:13 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 9/7/2020 17:13 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 9/7/2020 17:13 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 9/7/2020 17:13 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 17:13 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 9/7/2020 17:13 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 9/7/2020 17:13 |
| Trichloroethene | U | | 0.43 | 1.4 | µg/L | 1 | 9/7/2020 17:13 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 17:13 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 9/7/2020 17:13 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 9/7/2020 17:13 |
| Surr: 1,2-Dichloroethane-d4 | 103 | | | 75-120 | %REC | 1 | 9/7/2020 17:13 |
| Surr: 4-Bromofluorobenzene | 100 | | | 80-110 | %REC | 1 | 9/7/2020 17:13 |
| Surr: Dibromofluoromethane | 104 | | | 85-115 | %REC | 1 | 9/7/2020 17:13 |
| Surr: Toluene-d8 | 103 | | | 85-110 | %REC | 1 | 9/7/2020 17:13 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: TRC Environmental Corporation
 Project: Grafton Lime Kiln LF
 Sample ID: PW1587LR
 Collection Date: 9/1/2020 01:25 PM

Work Order: 20090222
 Lab ID: 20090222-13
 Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|-------------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | Analyst: MF | | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 17:30 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 17:30 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 17:30 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 17:30 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 9/7/2020 17:30 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 9/7/2020 17:30 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 9/7/2020 17:30 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 17:30 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 17:30 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 9/7/2020 17:30 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 9/7/2020 17:30 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 9/7/2020 17:30 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 9/7/2020 17:30 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 9/7/2020 17:30 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 9/7/2020 17:30 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 9/7/2020 17:30 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 17:30 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 17:30 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 9/7/2020 17:30 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 17:30 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 9/7/2020 17:30 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 17:30 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 17:30 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 9/7/2020 17:30 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 9/7/2020 17:30 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 9/7/2020 17:30 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 9/7/2020 17:30 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 9/7/2020 17:30 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 17:30 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/7/2020 17:30 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 17:30 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 9/7/2020 17:30 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 9/7/2020 17:30 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 9/7/2020 17:30 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 9/7/2020 17:30 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 17:30 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/7/2020 17:30 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 9/7/2020 17:30 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: PW1587LR
Collection Date: 9/1/2020 01:25 PM

Work Order: 20090222
Lab ID: 20090222-13
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|--------|------|------|--------------|-------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 17:30 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 9/7/2020 17:30 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 9/7/2020 17:30 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 17:30 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 17:30 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 9/7/2020 17:30 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 9/7/2020 17:30 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 9/7/2020 17:30 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 9/7/2020 17:30 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 9/7/2020 17:30 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 9/7/2020 17:30 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 17:30 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 9/7/2020 17:30 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 9/7/2020 17:30 |
| Trichloroethene | U | | 0.43 | 1.4 | µg/L | 1 | 9/7/2020 17:30 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 17:30 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 9/7/2020 17:30 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 9/7/2020 17:30 |
| Surr: 1,2-Dichloroethane-d4 | 102 | | | 75-120 | %REC | 1 | 9/7/2020 17:30 |
| Surr: 4-Bromofluorobenzene | 101 | | | 80-110 | %REC | 1 | 9/7/2020 17:30 |
| Surr: Dibromofluoromethane | 101 | | | 85-115 | %REC | 1 | 9/7/2020 17:30 |
| Surr: Toluene-d8 | 103 | | | 85-110 | %REC | 1 | 9/7/2020 17:30 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: DUP-1
Collection Date: 9/1/2020

Work Order: 20090222
Lab ID: 20090222-14
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|-------------|------|-----------------|--------------|-------------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: MF | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/9/2020 00:53 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/9/2020 00:53 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/9/2020 00:53 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/9/2020 00:53 |
| 1,1-Dichloroethane | 3.5 | | 0.44 | 1.5 | µg/L | 1 | 9/9/2020 00:53 |
| 1,1-Dichloroethene | 0.92 | J | 0.40 | 1.4 | µg/L | 1 | 9/9/2020 00:53 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 9/9/2020 00:53 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/9/2020 00:53 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/9/2020 00:53 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 9/9/2020 00:53 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 9/9/2020 00:53 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 9/9/2020 00:53 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 9/9/2020 00:53 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 9/9/2020 00:53 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 9/9/2020 00:53 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 9/9/2020 00:53 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/9/2020 00:53 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/9/2020 00:53 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 9/9/2020 00:53 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/9/2020 00:53 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 9/9/2020 00:53 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 9/9/2020 00:53 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 9/9/2020 00:53 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 9/9/2020 00:53 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 9/9/2020 00:53 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 9/9/2020 00:53 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 9/9/2020 00:53 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 9/9/2020 00:53 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 9/9/2020 00:53 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/9/2020 00:53 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 9/9/2020 00:53 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 9/9/2020 00:53 |
| cis-1,2-Dichloroethene | 37 | | 0.42 | 1.4 | µg/L | 1 | 9/9/2020 00:53 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 9/9/2020 00:53 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 9/9/2020 00:53 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/9/2020 00:53 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/9/2020 00:53 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 9/9/2020 00:53 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
 Project: Grafton Lime Kiln LF
 Sample ID: DUP-1
 Collection Date: 9/1/2020

Work Order: 20090222
 Lab ID: 20090222-14
 Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|------------|------|-------------|--------------|-------------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/9/2020 00:53 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 9/9/2020 00:53 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 9/9/2020 00:53 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 9/9/2020 00:53 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 9/9/2020 00:53 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 9/9/2020 00:53 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 9/9/2020 00:53 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 9/9/2020 00:53 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 9/9/2020 00:53 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 9/9/2020 00:53 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 9/9/2020 00:53 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 9/9/2020 00:53 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 9/9/2020 00:53 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 9/9/2020 00:53 |
| Trichloroethene | 74 | | 0.43 | 1.4 | µg/L | 1 | 9/9/2020 00:53 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/9/2020 00:53 |
| Vinyl chloride | 4.5 | | 0.53 | 1.8 | µg/L | 1 | 9/9/2020 00:53 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 9/9/2020 00:53 |
| Surr: 1,2-Dichloroethane-d4 | 104 | | | 75-120 | %REC | 1 | 9/9/2020 00:53 |
| Surr: 4-Bromofluorobenzene | 98.4 | | | 80-110 | %REC | 1 | 9/9/2020 00:53 |
| Surr: Dibromofluoromethane | 103 | | | 85-115 | %REC | 1 | 9/9/2020 00:53 |
| Surr: Toluene-d8 | 102 | | | 85-110 | %REC | 1 | 9/9/2020 00:53 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: Trip Blank
Collection Date: 9/1/2020

Work Order: 20090222
Lab ID: 20090222-15
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|-------|-----------------|----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | | Analyst: MF |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 13:58 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 13:58 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 13:58 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 13:58 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 9/7/2020 13:58 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 9/7/2020 13:58 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 9/7/2020 13:58 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 13:58 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 13:58 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 9/7/2020 13:58 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 9/7/2020 13:58 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 9/7/2020 13:58 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 9/7/2020 13:58 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 9/7/2020 13:58 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 9/7/2020 13:58 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 9/7/2020 13:58 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 13:58 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 13:58 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 9/7/2020 13:58 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 13:58 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 9/7/2020 13:58 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 13:58 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 13:58 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 9/7/2020 13:58 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 9/7/2020 13:58 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 9/7/2020 13:58 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 9/7/2020 13:58 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 9/7/2020 13:58 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 13:58 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/7/2020 13:58 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 9/7/2020 13:58 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 9/7/2020 13:58 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 9/7/2020 13:58 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 9/7/2020 13:58 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 9/7/2020 13:58 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 9/7/2020 13:58 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 9/7/2020 13:58 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 9/7/2020 13:58 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Sep-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: Trip Blank
Collection Date: 9/1/2020

Work Order: 20090222
Lab ID: 20090222-15
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|--------|------|------|--------------|-------|-----------------|----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 13:58 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 9/7/2020 13:58 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 9/7/2020 13:58 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 13:58 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 9/7/2020 13:58 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 9/7/2020 13:58 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 9/7/2020 13:58 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 9/7/2020 13:58 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 9/7/2020 13:58 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 9/7/2020 13:58 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 9/7/2020 13:58 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 9/7/2020 13:58 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 9/7/2020 13:58 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 9/7/2020 13:58 |
| Trichloroethene | U | | 0.43 | 1.4 | µg/L | 1 | 9/7/2020 13:58 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 9/7/2020 13:58 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 9/7/2020 13:58 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 9/7/2020 13:58 |
| Surr: 1,2-Dichloroethane-d4 | 100 | | | 75-120 | %REC | 1 | 9/7/2020 13:58 |
| Surr: 4-Bromofluorobenzene | 99.8 | | | 80-110 | %REC | 1 | 9/7/2020 13:58 |
| Surr: Dibromofluoromethane | 102 | | | 85-115 | %REC | 1 | 9/7/2020 13:58 |
| Surr: Toluene-d8 | 102 | | | 85-110 | %REC | 1 | 9/7/2020 13:58 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: TRC Environmental Corporation

QC BATCH REPORT

Work Order: 20090222

Project: Grafton Lime Kiln LF

Batch ID: **R297530w**

Instrument ID **VMS8**

Method: **SW8260C**

| MBLK | | Sample ID: VBK1-200907-R297530w | | | Units: µg/L | | Analysis Date: 9/7/2020 01:25 PM | | | |
|--------------------------------|--------|--|---------|---------------|-----------------------|---------------|---|------|--------------|------|
| Client ID: | | Run ID: VMS8_200907A | | | SeqNo: 6687621 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | U | 1.5 | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | U | 1.3 | | | | | | | | |
| 1,1,2-Trichloroethane | U | 1.5 | | | | | | | | |
| 1,1,2-Trichlorotrifluoroethane | U | 1.7 | | | | | | | | |
| 1,1-Dichloroethane | U | 1.5 | | | | | | | | |
| 1,1-Dichloroethene | U | 1.4 | | | | | | | | |
| 1,2,3-Trichlorobenzene | U | 1.4 | | | | | | | | |
| 1,2,4-Trichlorobenzene | U | 1.5 | | | | | | | | |
| 1,2,4-Trimethylbenzene | U | 1.5 | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | U | 1.4 | | | | | | | | |
| 1,2-Dibromoethane | U | 1.4 | | | | | | | | |
| 1,2-Dichlorobenzene | U | 1.1 | | | | | | | | |
| 1,2-Dichloroethane | U | 1.4 | | | | | | | | |
| 1,2-Dichloropropane | U | 1.6 | | | | | | | | |
| 1,3,5-Trimethylbenzene | U | 2.2 | | | | | | | | |
| 1,3-Dichlorobenzene | U | 1.1 | | | | | | | | |
| 1,4-Dichlorobenzene | U | 1.2 | | | | | | | | |
| 2-Butanone | U | 1.7 | | | | | | | | |
| 2-Hexanone | U | 2.0 | | | | | | | | |
| 4-Methyl-2-pentanone | U | 1.7 | | | | | | | | |
| Acetone | U | 21 | | | | | | | | |
| Benzene | U | 1.5 | | | | | | | | |
| Bromochloromethane | U | 1.5 | | | | | | | | |
| Bromodichloromethane | U | 1.6 | | | | | | | | |
| Bromoform | U | 1.9 | | | | | | | | |
| Bromomethane | U | 3.0 | | | | | | | | |
| Carbon disulfide | U | 1.6 | | | | | | | | |
| Carbon tetrachloride | U | 1.4 | | | | | | | | |
| Chlorobenzene | U | 1.3 | | | | | | | | |
| Chloroethane | U | 2.3 | | | | | | | | |
| Chloroform | U | 1.5 | | | | | | | | |
| Chloromethane | U | 2.8 | | | | | | | | |
| cis-1,2-Dichloroethene | U | 1.4 | | | | | | | | |
| cis-1,3-Dichloropropene | U | 1.9 | | | | | | | | |
| Cyclohexane | U | 2.1 | | | | | | | | |
| Dibromochloromethane | U | 1.3 | | | | | | | | |
| Dichlorodifluoromethane | U | 2.3 | | | | | | | | |
| Ethylbenzene | U | 1.1 | | | | | | | | |
| Isopropylbenzene | U | 1.2 | | | | | | | | |
| m,p-Xylene | U | 2.7 | | | | | | | | |
| Methyl acetate | U | 2.0 | | | | | | | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20090222

Project: Grafton Lime Kiln LF

QC BATCH REPORT

| | | | | | | | | |
|------------------------------------|---------------------------|------------------------|-----------|----------|-------------|---------------|----------|--|
| Batch ID: R297530w | Instrument ID VMS8 | Method: SW8260C | | | | | | |
| Methyl tert-butyl ether | U | 1.5 | | | | | | |
| Methylcyclohexane | U | 1.2 | | | | | | |
| Methylene chloride | U | 2.9 | | | | | | |
| Naphthalene | U | 2.6 | | | | | | |
| o-Xylene | U | 1.0 | | | | | | |
| Styrene | U | 1.1 | | | | | | |
| Tetrachloroethene | U | 1.3 | | | | | | |
| Tetrahydrofuran | U | 2.4 | | | | | | |
| Toluene | U | 1.5 | | | | | | |
| trans-1,2-Dichloroethene | U | 1.6 | | | | | | |
| trans-1,3-Dichloropropene | U | 2.7 | | | | | | |
| Trichloroethene | U | 1.4 | | | | | | |
| Trichlorofluoromethane | U | 1.7 | | | | | | |
| Vinyl chloride | U | 1.8 | | | | | | |
| Xylenes, Total | U | 4.4 | | | | | | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>19.95</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>99.8</i> | <i>75-120</i> | <i>0</i> | |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>20</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>100</i> | <i>80-110</i> | <i>0</i> | |
| <i>Surr: Dibromofluoromethane</i> | <i>20.5</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>102</i> | <i>85-115</i> | <i>0</i> | |
| <i>Surr: Toluene-d8</i> | <i>20.57</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>103</i> | <i>85-110</i> | <i>0</i> | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

QC BATCH REPORT

Work Order: 20090222

Project: Grafton Lime Kiln LF

Batch ID: **R297530w**

Instrument ID **VMS8**

Method: **SW8260C**

| LCS | | Sample ID: VLCSW1-200907-R297530w | | | | Units: µg/L | | Analysis Date: 9/7/2020 12:36 PM | | |
|-----------------------------|--------|--|---------|---------------|-----------------------|--------------------|---------------|---|--------------|------|
| Client ID: | | Run ID: VMS8_200907A | | | SeqNo: 6687620 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | 20.28 | 1.5 | 20 | 0 | 101 | 75-130 | 0 | | | |
| 1,1,2,2-Tetrachloroethane | 20.08 | 1.3 | 20 | 0 | 100 | 75-130 | 0 | | | |
| 1,1,2-Trichloroethane | 18.9 | 1.5 | 20 | 0 | 94.5 | 75-125 | 0 | | | |
| 1,1-Dichloroethane | 21.11 | 1.5 | 20 | 0 | 106 | 68-142 | 0 | | | |
| 1,1-Dichloroethene | 20.96 | 1.4 | 20 | 0 | 105 | 70-145 | 0 | | | |
| 1,2,3-Trichlorobenzene | 17.54 | 1.4 | 20 | 0 | 87.7 | 70-140 | 0 | | | |
| 1,2,4-Trichlorobenzene | 18.77 | 1.5 | 20 | 0 | 93.8 | 70-135 | 0 | | | |
| 1,2,4-Trimethylbenzene | 18.36 | 1.5 | 20 | 0 | 91.8 | 75-130 | 0 | | | |
| 1,2-Dibromo-3-chloropropane | 17.59 | 1.4 | 20 | 0 | 88 | 60-130 | 0 | | | |
| 1,2-Dibromoethane | 20.05 | 1.4 | 20 | 0 | 100 | 67-155 | 0 | | | |
| 1,2-Dichlorobenzene | 18.09 | 1.1 | 20 | 0 | 90.4 | 70-130 | 0 | | | |
| 1,2-Dichloroethane | 19.3 | 1.4 | 20 | 0 | 96.5 | 78-125 | 0 | | | |
| 1,2-Dichloropropane | 19.48 | 1.6 | 20 | 0 | 97.4 | 75-125 | 0 | | | |
| 1,3,5-Trimethylbenzene | 19.34 | 2.2 | 20 | 0 | 96.7 | 75-130 | 0 | | | |
| 1,3-Dichlorobenzene | 18.61 | 1.1 | 20 | 0 | 93 | 75-130 | 0 | | | |
| 1,4-Dichlorobenzene | 18.61 | 1.2 | 20 | 0 | 93 | 75-130 | 0 | | | |
| 2-Butanone | 19.49 | 1.7 | 20 | 0 | 97.4 | 55-150 | 0 | | | |
| 2-Hexanone | 17.64 | 2.0 | 20 | 0 | 88.2 | 60-135 | 0 | | | |
| 4-Methyl-2-pentanone | 26 | 1.7 | 20 | 0 | 130 | 77-178 | 0 | | | |
| Acetone | 16.13 | 21 | 20 | 0 | 80.6 | 60-160 | 0 | | | J |
| Benzene | 18.5 | 1.5 | 20 | 0 | 92.5 | 70-130 | 0 | | | |
| Bromochloromethane | 19.79 | 1.5 | 20 | 0 | 99 | 72-141 | 0 | | | |
| Bromodichloromethane | 21.96 | 1.6 | 20 | 0 | 110 | 75-125 | 0 | | | |
| Bromoform | 18.82 | 1.9 | 20 | 0 | 94.1 | 60-125 | 0 | | | |
| Bromomethane | 40.81 | 3.0 | 20 | 0 | 204 | 30-185 | 0 | | | S |
| Carbon disulfide | 22.36 | 1.6 | 20 | 0 | 112 | 60-165 | 0 | | | |
| Carbon tetrachloride | 19.77 | 1.4 | 20 | 0 | 98.8 | 65-140 | 0 | | | |
| Chlorobenzene | 19.06 | 1.3 | 20 | 0 | 95.3 | 80-120 | 0 | | | |
| Chloroethane | 28.2 | 2.3 | 20 | 0 | 141 | 31-172 | 0 | | | |
| Chloroform | 20.24 | 1.5 | 20 | 0 | 101 | 66-135 | 0 | | | |
| Chloromethane | 18.12 | 2.8 | 20 | 0 | 90.6 | 46-148 | 0 | | | |
| cis-1,2-Dichloroethene | 19.92 | 1.4 | 20 | 0 | 99.6 | 75-134 | 0 | | | |
| cis-1,3-Dichloropropene | 21.36 | 1.9 | 20 | 0 | 107 | 70-130 | 0 | | | |
| Dibromochloromethane | 19.07 | 1.3 | 20 | 0 | 95.4 | 60-115 | 0 | | | |
| Dichlorodifluoromethane | 24.04 | 2.3 | 20 | 0 | 120 | 20-120 | 0 | | | S |
| Ethylbenzene | 19.33 | 1.1 | 20 | 0 | 96.6 | 76-123 | 0 | | | |
| Isopropylbenzene | 19.48 | 1.2 | 20 | 0 | 97.4 | 80-127 | 0 | | | |
| m,p-Xylene | 38.8 | 2.7 | 40 | 0 | 97 | 75-130 | 0 | | | |
| Methyl tert-butyl ether | 19.81 | 1.5 | 20 | 0 | 99 | 68-129 | 0 | | | |
| Methylene chloride | 18.76 | 2.9 | 20 | 0 | 93.8 | 72-125 | 0 | | | |
| Naphthalene | 17.39 | 2.6 | 20 | 0 | 87 | 55-160 | 0 | | | |
| o-Xylene | 19.07 | 1.0 | 20 | 0 | 95.4 | 76-127 | 0 | | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20090222

Project: Grafton Lime Kiln LF

QC BATCH REPORT

| | | | | | | | | |
|------------------------------------|---------------------------|------------------------|-----------|----------|-------------|---------------|----------|--|
| Batch ID: R297530w | Instrument ID VMS8 | Method: SW8260C | | | | | | |
| Styrene | 19.44 | 1.1 | 20 | 0 | 97.2 | 83-137 | 0 | |
| Tetrachloroethene | 20.49 | 1.3 | 20 | 0 | 102 | 68-166 | 0 | |
| Tetrahydrofuran | 16.87 | 2.4 | 20 | 0 | 84.4 | 54-139 | 0 | |
| Toluene | 20.66 | 1.5 | 20 | 0 | 103 | 76-125 | 0 | |
| trans-1,2-Dichloroethene | 21.92 | 1.6 | 20 | 0 | 110 | 80-140 | 0 | |
| trans-1,3-Dichloropropene | 20.7 | 2.7 | 20 | 0 | 104 | 56-132 | 0 | |
| Trichloroethene | 20.17 | 1.4 | 20 | 0 | 101 | 77-125 | 0 | |
| Trichlorofluoromethane | 14.43 | 1.7 | 20 | 0 | 72.2 | 60-140 | 0 | |
| Vinyl chloride | 20.28 | 1.8 | 20 | 0 | 101 | 50-136 | 0 | |
| Xylenes, Total | 57.87 | 4.4 | 60 | 0 | 96.4 | 76-127 | 0 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>18.84</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>94.2</i> | <i>75-120</i> | <i>0</i> | |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>20.76</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>104</i> | <i>80-110</i> | <i>0</i> | |
| <i>Surr: Dibromofluoromethane</i> | <i>19.55</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>97.8</i> | <i>85-115</i> | <i>0</i> | |
| <i>Surr: Toluene-d8</i> | <i>19.46</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>97.3</i> | <i>85-110</i> | <i>0</i> | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation
 Work Order: 20090222
 Project: Grafton Lime Kiln LF

QC BATCH REPORT

Batch ID: **R297530w** Instrument ID **VMS8** Method: **SW8260C**

| MS | | Sample ID: 20090222-14A MS | | | | Units: µg/L | | Analysis Date: 9/7/2020 07:24 PM | | |
|--------------------------------|--------------|-----------------------------------|------------|-----------------------|------------|--------------------|---------------|---|-----------|----------|
| Client ID: DUP-1 | | Run ID: VMS8_200907A | | SeqNo: 6687637 | | Prep Date: | | DF: 5 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | 102 | 7.6 | 100 | 0 | 102 | 75-130 | 0 | | | |
| 1,1,2,2-Tetrachloroethane | 88.05 | 6.7 | 100 | 0 | 88 | 75-130 | 0 | | | |
| 1,1,2-Trichloroethane | 90.15 | 7.7 | 100 | 0 | 90.2 | 75-125 | 0 | | | |
| 1,1-Dichloroethane | 105.2 | 7.4 | 100 | 4.5 | 101 | 68-142 | 0 | | | |
| 1,1-Dichloroethene | 105.1 | 6.8 | 100 | 0 | 105 | 70-145 | 0 | | | |
| 1,2,3-Trichlorobenzene | 85.65 | 7.0 | 100 | 0 | 85.6 | 70-140 | 0 | | | |
| 1,2,4-Trichlorobenzene | 87.9 | 7.6 | 100 | 0 | 87.9 | 70-135 | 0 | | | |
| 1,2,4-Trimethylbenzene | 84.9 | 7.5 | 100 | 0 | 84.9 | 75-130 | 0 | | | |
| 1,2-Dibromo-3-chloropropane | 85.75 | 7.2 | 100 | 0 | 85.8 | 60-130 | 0 | | | |
| 1,2-Dibromoethane | 98.25 | 6.8 | 100 | 0 | 98.2 | 67-155 | 0 | | | |
| 1,2-Dichlorobenzene | 91.15 | 5.4 | 100 | 0 | 91.2 | 70-130 | 0 | | | |
| 1,2-Dichloroethane | 90.55 | 7.2 | 100 | 0 | 90.6 | 78-125 | 0 | | | |
| 1,2-Dichloropropane | 90.7 | 8.0 | 100 | 0 | 90.7 | 75-125 | 0 | | | |
| 1,3,5-Trimethylbenzene | 90.65 | 11 | 100 | 0 | 90.6 | 75-130 | 0 | | | |
| 1,3-Dichlorobenzene | 92.05 | 5.4 | 100 | 0 | 92 | 75-130 | 0 | | | |
| 1,4-Dichlorobenzene | 92.05 | 5.8 | 100 | 0 | 92 | 75-130 | 0 | | | |
| 2-Butanone | 114.7 | 8.6 | 100 | 0 | 115 | 55-150 | 0 | | | |
| 2-Hexanone | 93.75 | 9.8 | 100 | 0 | 93.8 | 60-135 | 0 | | | |
| 4-Methyl-2-pentanone | 142.2 | 8.6 | 100 | 0 | 142 | 77-178 | 0 | | | |
| Acetone | 90.2 | 100 | 100 | 0 | 90.2 | 60-160 | 0 | | | J |
| Benzene | 89 | 7.6 | 100 | 0 | 89 | 70-130 | 0 | | | |
| Bromochloromethane | 92.4 | 7.4 | 100 | 0 | 92.4 | 72-141 | 0 | | | |
| Bromodichloromethane | 98.4 | 8.2 | 100 | 0 | 98.4 | 75-125 | 0 | | | |
| Bromoform | 74.05 | 9.4 | 100 | 0 | 74 | 60-125 | 0 | | | |
| Bromomethane | 496.4 | 15 | 100 | 0 | 496 | 30-185 | 0 | | | S |
| Carbon disulfide | 102.4 | 8.2 | 100 | 0 | 102 | 60-165 | 0 | | | |
| Carbon tetrachloride | 93.7 | 6.8 | 100 | 0 | 93.7 | 65-140 | 0 | | | |
| Chlorobenzene | 93.95 | 6.7 | 100 | 0 | 94 | 80-120 | 0 | | | |
| Chloroethane | 159.4 | 11 | 100 | 0 | 159 | 31-172 | 0 | | | |
| Chloroform | 95.9 | 7.6 | 100 | 0 | 95.9 | 66-135 | 0 | | | |
| Chloromethane | 79.1 | 14 | 100 | 0 | 79.1 | 46-148 | 0 | | | |
| cis-1,2-Dichloroethene | 139.8 | 6.9 | 100 | 46.95 | 92.8 | 75-134 | 0 | | | |
| cis-1,3-Dichloropropene | 94.35 | 9.6 | 100 | 0 | 94.4 | 70-130 | 0 | | | |
| Dibromochloromethane | 85.4 | 6.6 | 100 | 0 | 85.4 | 60-115 | 0 | | | |
| Dichlorodifluoromethane | 127.6 | 11 | 100 | 0 | 128 | 20-120 | 0 | | | S |
| Ethylbenzene | 96.85 | 5.6 | 100 | 0 | 96.8 | 76-123 | 0 | | | |
| Isopropylbenzene | 96.25 | 5.8 | 100 | 0 | 96.2 | 80-127 | 0 | | | |
| m,p-Xylene | 191 | 14 | 200 | 0 | 95.5 | 75-130 | 0 | | | |
| Methyl tert-butyl ether | 105.1 | 7.6 | 100 | 0 | 105 | 68-129 | 0 | | | |
| Methylene chloride | 88.5 | 14 | 100 | 0 | 88.5 | 72-125 | 0 | | | |
| Naphthalene | 90.05 | 13 | 100 | 0 | 90 | 55-160 | 0 | | | |
| o-Xylene | 94.25 | 5.2 | 100 | 0 | 94.2 | 76-127 | 0 | | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20090222

Project: Grafton Lime Kiln LF

QC BATCH REPORT

| | | | | | | | |
|------------------------------------|---------------------------|------------------------|------------|----------|------------|---------------|----------|
| Batch ID: R297530w | Instrument ID VMS8 | Method: SW8260C | | | | | |
| Styrene | 91.8 | 5.6 | 100 | 0 | 91.8 | 83-137 | 0 |
| Tetrachloroethene | 104 | 6.6 | 100 | 0 | 104 | 68-166 | 0 |
| Tetrahydrofuran | 80.65 | 12 | 100 | 0 | 80.6 | 54-139 | 0 |
| Toluene | 103.6 | 7.6 | 100 | 0 | 104 | 76-125 | 0 |
| trans-1,2-Dichloroethene | 105.9 | 8.0 | 100 | 0 | 106 | 80-140 | 0 |
| trans-1,3-Dichloropropene | 94.25 | 14 | 100 | 0 | 94.2 | 56-132 | 0 |
| Trichloroethene | 201.8 | 7.2 | 100 | 103.8 | 98 | 77-125 | 0 |
| Trichlorofluoromethane | 83.7 | 8.6 | 100 | 0 | 83.7 | 60-140 | 0 |
| Vinyl chloride | 111.4 | 8.8 | 100 | 2.9 | 109 | 50-136 | 0 |
| Xylenes, Total | 285.3 | 22 | 300 | 0 | 95.1 | 76-127 | 0 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>97.05</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>97</i> | <i>75-120</i> | <i>0</i> |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>101.9</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>102</i> | <i>80-110</i> | <i>0</i> |
| <i>Surr: Dibromofluoromethane</i> | <i>101</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>101</i> | <i>85-115</i> | <i>0</i> |
| <i>Surr: Toluene-d8</i> | <i>101.8</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>102</i> | <i>85-110</i> | <i>0</i> |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation
 Work Order: 20090222
 Project: Grafton Lime Kiln LF

QC BATCH REPORT

Batch ID: **R297530w** Instrument ID **VMS8** Method: **SW8260C**

| MSD | | | | Sample ID: 20090222-14A MSD | | Units: µg/L | | Analysis Date: 9/7/2020 07:40 PM | | |
|--------------------------------|--------------|-----------------------------|------------|------------------------------------|------------|--------------------|---------------|---|-----------|-----------|
| Client ID: DUP-1 | | Run ID: VMS8_200907A | | SeqNo: 6687638 | | Prep Date: | | DF: 5 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | 109 | 7.6 | 100 | 0 | 109 | 75-130 | 102 | 6.68 | 30 | |
| 1,1,2,2-Tetrachloroethane | 90.6 | 6.7 | 100 | 0 | 90.6 | 75-130 | 88.05 | 2.85 | 30 | |
| 1,1,2-Trichloroethane | 95.25 | 7.7 | 100 | 0 | 95.2 | 75-125 | 90.15 | 5.5 | 30 | |
| 1,1-Dichloroethane | 115.6 | 7.4 | 100 | 4.5 | 111 | 68-142 | 105.2 | 9.42 | 30 | |
| 1,1-Dichloroethene | 117.2 | 6.8 | 100 | 0 | 117 | 70-145 | 105.1 | 10.9 | 30 | |
| 1,2,3-Trichlorobenzene | 88.7 | 7.0 | 100 | 0 | 88.7 | 70-140 | 85.65 | 3.5 | 30 | |
| 1,2,4-Trichlorobenzene | 91.9 | 7.6 | 100 | 0 | 91.9 | 70-135 | 87.9 | 4.45 | 30 | |
| 1,2,4-Trimethylbenzene | 91.6 | 7.5 | 100 | 0 | 91.6 | 75-130 | 84.9 | 7.59 | 30 | |
| 1,2-Dibromo-3-chloropropane | 87.3 | 7.2 | 100 | 0 | 87.3 | 60-130 | 85.75 | 1.79 | 30 | |
| 1,2-Dibromoethane | 101.1 | 6.8 | 100 | 0 | 101 | 67-155 | 98.25 | 2.86 | 30 | |
| 1,2-Dichlorobenzene | 91.2 | 5.4 | 100 | 0 | 91.2 | 70-130 | 91.15 | 0.0548 | 30 | |
| 1,2-Dichloroethane | 96.7 | 7.2 | 100 | 0 | 96.7 | 78-125 | 90.55 | 6.57 | 30 | |
| 1,2-Dichloropropane | 97.3 | 8.0 | 100 | 0 | 97.3 | 75-125 | 90.7 | 7.02 | 30 | |
| 1,3,5-Trimethylbenzene | 95.15 | 11 | 100 | 0 | 95.2 | 75-130 | 90.65 | 4.84 | 30 | |
| 1,3-Dichlorobenzene | 93.75 | 5.4 | 100 | 0 | 93.8 | 75-130 | 92.05 | 1.83 | 30 | |
| 1,4-Dichlorobenzene | 93.75 | 5.8 | 100 | 0 | 93.8 | 75-130 | 92.05 | 1.83 | 30 | |
| 2-Butanone | 115.1 | 8.6 | 100 | 0 | 115 | 55-150 | 114.7 | 0.348 | 30 | |
| 2-Hexanone | 96.05 | 9.8 | 100 | 0 | 96 | 60-135 | 93.75 | 2.42 | 30 | |
| 4-Methyl-2-pentanone | 151.6 | 8.6 | 100 | 0 | 152 | 77-178 | 142.2 | 6.4 | 30 | |
| Acetone | 96.5 | 100 | 100 | 0 | 96.5 | 60-160 | 90.2 | 0 | 30 | J |
| Benzene | 94.15 | 7.6 | 100 | 0 | 94.2 | 70-130 | 89 | 5.62 | 30 | |
| Bromochloromethane | 98.05 | 7.4 | 100 | 0 | 98 | 72-141 | 92.4 | 5.93 | 30 | |
| Bromodichloromethane | 105.4 | 8.2 | 100 | 0 | 105 | 75-125 | 98.4 | 6.87 | 30 | |
| Bromoform | 79.4 | 9.4 | 100 | 0 | 79.4 | 60-125 | 74.05 | 6.97 | 30 | |
| Bromomethane | 541.1 | 15 | 100 | 0 | 541 | 30-185 | 496.4 | 8.62 | 30 | SE |
| Carbon disulfide | 112.4 | 8.2 | 100 | 0 | 112 | 60-165 | 102.4 | 9.26 | 30 | |
| Carbon tetrachloride | 102.8 | 6.8 | 100 | 0 | 103 | 65-140 | 93.7 | 9.26 | 30 | |
| Chlorobenzene | 96.7 | 6.7 | 100 | 0 | 96.7 | 80-120 | 93.95 | 2.88 | 30 | |
| Chloroethane | 172.4 | 11 | 100 | 0 | 172 | 31-172 | 159.4 | 7.84 | 30 | S |
| Chloroform | 104.8 | 7.6 | 100 | 0 | 105 | 66-135 | 95.9 | 8.87 | 30 | |
| Chloromethane | 85.3 | 14 | 100 | 0 | 85.3 | 46-148 | 79.1 | 7.54 | 30 | |
| cis-1,2-Dichloroethene | 149.4 | 6.9 | 100 | 46.95 | 102 | 75-134 | 139.8 | 6.61 | 30 | |
| cis-1,3-Dichloropropene | 103.7 | 9.6 | 100 | 0 | 104 | 70-130 | 94.35 | 9.44 | 30 | |
| Dibromochloromethane | 89.8 | 6.6 | 100 | 0 | 89.8 | 60-115 | 85.4 | 5.02 | 30 | |
| Dichlorodifluoromethane | 137.8 | 11 | 100 | 0 | 138 | 20-120 | 127.6 | 7.76 | 30 | S |
| Ethylbenzene | 101.6 | 5.6 | 100 | 0 | 102 | 76-123 | 96.85 | 4.74 | 30 | |
| Isopropylbenzene | 100.8 | 5.8 | 100 | 0 | 101 | 80-127 | 96.25 | 4.62 | 30 | |
| m,p-Xylene | 201.8 | 14 | 200 | 0 | 101 | 75-130 | 191 | 5.5 | 30 | |
| Methyl tert-butyl ether | 110.9 | 7.6 | 100 | 0 | 111 | 68-129 | 105.1 | 5.37 | 30 | |
| Methylene chloride | 95.85 | 14 | 100 | 0 | 95.8 | 72-125 | 88.5 | 7.97 | 30 | |
| Naphthalene | 90.95 | 13 | 100 | 0 | 91 | 55-160 | 90.05 | 0.994 | 30 | |
| o-Xylene | 98.6 | 5.2 | 100 | 0 | 98.6 | 76-127 | 94.25 | 4.51 | 30 | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20090222

Project: Grafton Lime Kiln LF

QC BATCH REPORT

| Batch ID: R297530w | Instrument ID VMS8 | Method: SW8260C | | | | | | | | |
|------------------------------------|---------------------------|------------------------|-----|-------|------|--------|-------|-------|----|--|
| Styrene | 96.1 | 5.6 | 100 | 0 | 96.1 | 83-137 | 91.8 | 4.58 | 30 | |
| Tetrachloroethene | 106.6 | 6.6 | 100 | 0 | 107 | 68-166 | 104 | 2.52 | 30 | |
| Tetrahydrofuran | 88.35 | 12 | 100 | 0 | 88.4 | 54-139 | 80.65 | 9.11 | 30 | |
| Toluene | 111.8 | 7.6 | 100 | 0 | 112 | 76-125 | 103.6 | 7.61 | 30 | |
| trans-1,2-Dichloroethene | 113.6 | 8.0 | 100 | 0 | 114 | 80-140 | 105.9 | 7.02 | 30 | |
| trans-1,3-Dichloropropene | 98.55 | 14 | 100 | 0 | 98.6 | 56-132 | 94.25 | 4.46 | 30 | |
| Trichloroethene | 205.6 | 7.2 | 100 | 103.8 | 102 | 77-125 | 201.8 | 1.82 | 30 | |
| Trichlorofluoromethane | 87.6 | 8.6 | 100 | 0 | 87.6 | 60-140 | 83.7 | 4.55 | 30 | |
| Vinyl chloride | 118.8 | 8.8 | 100 | 2.9 | 116 | 50-136 | 111.4 | 6.34 | 30 | |
| Xylenes, Total | 300.4 | 22 | 300 | 0 | 100 | 76-127 | 285.3 | 5.17 | 30 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 102.2 | 0 | 100 | 0 | 102 | 75-120 | 97.05 | 5.12 | 30 | |
| <i>Surr: 4-Bromofluorobenzene</i> | 96.8 | 0 | 100 | 0 | 96.8 | 80-110 | 101.9 | 5.13 | 30 | |
| <i>Surr: Dibromofluoromethane</i> | 101.8 | 0 | 100 | 0 | 102 | 85-115 | 101 | 0.838 | 30 | |
| <i>Surr: Toluene-d8</i> | 101.2 | 0 | 100 | 0 | 101 | 85-110 | 101.8 | 0.69 | 30 | |

The following samples were analyzed in this batch:

| | | |
|--------------|--------------|--------------|
| 20090222-01A | 20090222-02A | 20090222-03A |
| 20090222-04A | 20090222-05A | 20090222-06A |
| 20090222-07A | 20090222-08A | 20090222-09A |
| 20090222-10A | 20090222-11A | 20090222-12A |
| 20090222-13A | 20090222-14A | 20090222-15A |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20090222

Project: Grafton Lime Kiln LF

QC BATCH REPORT

Batch ID: **R297655B**

Instrument ID **VMS8**

Method: **SW8260C**

| MBLK | Sample ID: VBLKW1-200908-R297655B | Units: µg/L | Analysis Date: 9/8/2020 07:28 PM | | | | | | | |
|--------------------------------|--|-----------------------|---|---------------|------|---------------|---------------|------|-----------|------|
| Client ID: | Run ID: VMS8_200908B | SeqNo: 6691204 | Prep Date: | DF: 1 | | | | | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | U | 1.5 | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | U | 1.3 | | | | | | | | |
| 1,1,2-Trichloroethane | U | 1.5 | | | | | | | | |
| 1,1,2-Trichlorotrifluoroethane | U | 1.7 | | | | | | | | |
| 1,1-Dichloroethane | U | 1.5 | | | | | | | | |
| 1,1-Dichloroethene | U | 1.4 | | | | | | | | |
| 1,2,3-Trichlorobenzene | U | 1.4 | | | | | | | | |
| 1,2,4-Trichlorobenzene | U | 1.5 | | | | | | | | |
| 1,2,4-Trimethylbenzene | U | 1.5 | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | U | 1.4 | | | | | | | | |
| 1,2-Dibromoethane | U | 1.4 | | | | | | | | |
| 1,2-Dichlorobenzene | U | 1.1 | | | | | | | | |
| 1,2-Dichloroethane | U | 1.4 | | | | | | | | |
| 1,2-Dichloropropane | U | 1.6 | | | | | | | | |
| 1,3,5-Trimethylbenzene | U | 2.2 | | | | | | | | |
| 1,3-Dichlorobenzene | U | 1.1 | | | | | | | | |
| 1,4-Dichlorobenzene | U | 1.2 | | | | | | | | |
| 2-Butanone | U | 1.7 | | | | | | | | |
| 2-Hexanone | U | 2.0 | | | | | | | | |
| 4-Methyl-2-pentanone | U | 1.7 | | | | | | | | |
| Acetone | U | 21 | | | | | | | | |
| Benzene | U | 1.5 | | | | | | | | |
| Bromochloromethane | U | 1.5 | | | | | | | | |
| Bromodichloromethane | U | 1.6 | | | | | | | | |
| Bromoform | U | 1.9 | | | | | | | | |
| Bromomethane | U | 3.0 | | | | | | | | |
| Carbon disulfide | U | 1.6 | | | | | | | | |
| Carbon tetrachloride | U | 1.4 | | | | | | | | |
| Chlorobenzene | U | 1.3 | | | | | | | | |
| Chloroethane | U | 2.3 | | | | | | | | |
| Chloroform | U | 1.5 | | | | | | | | |
| Chloromethane | U | 2.8 | | | | | | | | |
| cis-1,2-Dichloroethene | U | 1.4 | | | | | | | | |
| cis-1,3-Dichloropropene | U | 1.9 | | | | | | | | |
| Cyclohexane | U | 2.1 | | | | | | | | |
| Dibromochloromethane | U | 1.3 | | | | | | | | |
| Dichlorodifluoromethane | U | 2.3 | | | | | | | | |
| Ethylbenzene | U | 1.1 | | | | | | | | |
| Isopropylbenzene | U | 1.2 | | | | | | | | |
| m,p-Xylene | U | 2.7 | | | | | | | | |
| Methyl acetate | U | 2.0 | | | | | | | | |
| Methyl tert-butyl ether | U | 1.5 | | | | | | | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20090222

Project: Grafton Lime Kiln LF

QC BATCH REPORT

| | | | | | | | |
|------------------------------------|---------------------------|------------------------|----|---|------|--------|---|
| Batch ID: R297655B | Instrument ID VMS8 | Method: SW8260C | | | | | |
| Methylcyclohexane | U | 1.2 | | | | | |
| Methylene chloride | U | 2.9 | | | | | |
| Naphthalene | U | 2.6 | | | | | |
| o-Xylene | U | 1.0 | | | | | |
| Styrene | U | 1.1 | | | | | |
| Tetrachloroethene | U | 1.3 | | | | | |
| Tetrahydrofuran | U | 2.4 | | | | | |
| Toluene | U | 1.5 | | | | | |
| trans-1,2-Dichloroethene | U | 1.6 | | | | | |
| trans-1,3-Dichloropropene | U | 2.7 | | | | | |
| Trichloroethene | U | 1.4 | | | | | |
| Trichlorofluoromethane | U | 1.7 | | | | | |
| Vinyl chloride | U | 1.8 | | | | | |
| Xylenes, Total | U | 4.4 | | | | | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 19.69 | 0 | 20 | 0 | 98.4 | 75-120 | 0 |
| <i>Surr: 4-Bromofluorobenzene</i> | 19.71 | 0 | 20 | 0 | 98.6 | 80-110 | 0 |
| <i>Surr: Dibromofluoromethane</i> | 19.6 | 0 | 20 | 0 | 98 | 85-115 | 0 |
| <i>Surr: Toluene-d8</i> | 20.49 | 0 | 20 | 0 | 102 | 85-110 | 0 |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

QC BATCH REPORT

Work Order: 20090222

Project: Grafton Lime Kiln LF

Batch ID: **R297655B**

Instrument ID **VMS8**

Method: **SW8260C**

| LCS | | Sample ID: VLCSW1-200908-R297655B | | | | Units: µg/L | | Analysis Date: 9/8/2020 06:39 PM | | |
|--------------------------------|--------------|--|-----------|-----------------------|------------|--------------------|---------------|---|-----------|----------|
| Client ID: | | Run ID: VMS8_200908B | | SeqNo: 6691203 | | Prep Date: | | DF: 1 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | 17.66 | 1.5 | 20 | 0 | 88.3 | 75-130 | 0 | | | |
| 1,1,2,2-Tetrachloroethane | 18.73 | 1.3 | 20 | 0 | 93.6 | 75-130 | 0 | | | |
| 1,1,2-Trichloroethane | 17.97 | 1.5 | 20 | 0 | 89.8 | 75-125 | 0 | | | |
| 1,1-Dichloroethane | 18.68 | 1.5 | 20 | 0 | 93.4 | 68-142 | 0 | | | |
| 1,1-Dichloroethene | 18.26 | 1.4 | 20 | 0 | 91.3 | 70-145 | 0 | | | |
| 1,2,3-Trichlorobenzene | 17.04 | 1.4 | 20 | 0 | 85.2 | 70-140 | 0 | | | |
| 1,2,4-Trichlorobenzene | 17.6 | 1.5 | 20 | 0 | 88 | 70-135 | 0 | | | |
| 1,2,4-Trimethylbenzene | 16.37 | 1.5 | 20 | 0 | 81.8 | 75-130 | 0 | | | |
| 1,2-Dibromo-3-chloropropane | 17.44 | 1.4 | 20 | 0 | 87.2 | 60-130 | 0 | | | |
| 1,2-Dibromoethane | 18.55 | 1.4 | 20 | 0 | 92.8 | 67-155 | 0 | | | |
| 1,2-Dichlorobenzene | 17.78 | 1.1 | 20 | 0 | 88.9 | 70-130 | 0 | | | |
| 1,2-Dichloroethane | 17.59 | 1.4 | 20 | 0 | 88 | 78-125 | 0 | | | |
| 1,2-Dichloropropane | 17.16 | 1.6 | 20 | 0 | 85.8 | 75-125 | 0 | | | |
| 1,3,5-Trimethylbenzene | 17.03 | 2.2 | 20 | 0 | 85.2 | 75-130 | 0 | | | |
| 1,3-Dichlorobenzene | 18.37 | 1.1 | 20 | 0 | 91.8 | 75-130 | 0 | | | |
| 1,4-Dichlorobenzene | 18.37 | 1.2 | 20 | 0 | 91.8 | 75-130 | 0 | | | |
| 2-Butanone | 19.61 | 1.7 | 20 | 0 | 98 | 55-150 | 0 | | | |
| 2-Hexanone | 19.15 | 2.0 | 20 | 0 | 95.8 | 60-135 | 0 | | | |
| 4-Methyl-2-pentanone | 28.29 | 1.7 | 20 | 0 | 141 | 77-178 | 0 | | | |
| Acetone | 18.59 | 21 | 20 | 0 | 93 | 60-160 | 0 | | | J |
| Benzene | 16.74 | 1.5 | 20 | 0 | 83.7 | 70-130 | 0 | | | |
| Bromochloromethane | 17.49 | 1.5 | 20 | 0 | 87.4 | 72-141 | 0 | | | |
| Bromodichloromethane | 18.62 | 1.6 | 20 | 0 | 93.1 | 75-125 | 0 | | | |
| Bromoform | 15.32 | 1.9 | 20 | 0 | 76.6 | 60-125 | 0 | | | |
| Bromomethane | 42.77 | 3.0 | 20 | 0 | 214 | 30-185 | 0 | | | S |
| Carbon disulfide | 18.96 | 1.6 | 20 | 0 | 94.8 | 60-165 | 0 | | | |
| Carbon tetrachloride | 16.69 | 1.4 | 20 | 0 | 83.4 | 65-140 | 0 | | | |
| Chlorobenzene | 17.41 | 1.3 | 20 | 0 | 87 | 80-120 | 0 | | | |
| Chloroethane | 20.75 | 2.3 | 20 | 0 | 104 | 31-172 | 0 | | | |
| Chloroform | 18.28 | 1.5 | 20 | 0 | 91.4 | 66-135 | 0 | | | |
| Chloromethane | 17.49 | 2.8 | 20 | 0 | 87.4 | 46-148 | 0 | | | |
| cis-1,2-Dichloroethene | 18.35 | 1.4 | 20 | 0 | 91.8 | 75-134 | 0 | | | |
| cis-1,3-Dichloropropene | 18.77 | 1.9 | 20 | 0 | 93.8 | 70-130 | 0 | | | |
| Dibromochloromethane | 16.66 | 1.3 | 20 | 0 | 83.3 | 60-115 | 0 | | | |
| Dichlorodifluoromethane | 27.11 | 2.3 | 20 | 0 | 136 | 20-120 | 0 | | | S |
| Ethylbenzene | 17.21 | 1.1 | 20 | 0 | 86 | 76-123 | 0 | | | |
| Isopropylbenzene | 17.41 | 1.2 | 20 | 0 | 87 | 80-127 | 0 | | | |
| m,p-Xylene | 34.88 | 2.7 | 40 | 0 | 87.2 | 75-130 | 0 | | | |
| Methyl tert-butyl ether | 20.2 | 1.5 | 20 | 0 | 101 | 68-129 | 0 | | | |
| Methylene chloride | 20.01 | 2.9 | 20 | 0 | 100 | 72-125 | 0 | | | |
| Naphthalene | 17.18 | 2.6 | 20 | 0 | 85.9 | 55-160 | 0 | | | |
| o-Xylene | 17.52 | 1.0 | 20 | 0 | 87.6 | 76-127 | 0 | | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20090222

Project: Grafton Lime Kiln LF

QC BATCH REPORT

| | | | | | | | | |
|------------------------------------|---------------------------|------------------------|----|---|------|--------|---|--|
| Batch ID: R297655B | Instrument ID VMS8 | Method: SW8260C | | | | | | |
| Styrene | 17.83 | 1.1 | 20 | 0 | 89.2 | 83-137 | 0 | |
| Tetrachloroethene | 17.45 | 1.3 | 20 | 0 | 87.2 | 68-166 | 0 | |
| Tetrahydrofuran | 16.46 | 2.4 | 20 | 0 | 82.3 | 54-139 | 0 | |
| Toluene | 18.72 | 1.5 | 20 | 0 | 93.6 | 76-125 | 0 | |
| trans-1,2-Dichloroethene | 19.17 | 1.6 | 20 | 0 | 95.8 | 80-140 | 0 | |
| trans-1,3-Dichloropropene | 17.99 | 2.7 | 20 | 0 | 90 | 56-132 | 0 | |
| Trichloroethene | 18.19 | 1.4 | 20 | 0 | 91 | 77-125 | 0 | |
| Trichlorofluoromethane | 14.17 | 1.7 | 20 | 0 | 70.8 | 60-140 | 0 | |
| Vinyl chloride | 20.03 | 1.8 | 20 | 0 | 100 | 50-136 | 0 | |
| Xylenes, Total | 52.4 | 4.4 | 60 | 0 | 87.3 | 76-127 | 0 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 19.97 | 0 | 20 | 0 | 99.8 | 75-120 | 0 | |
| <i>Surr: 4-Bromofluorobenzene</i> | 19.95 | 0 | 20 | 0 | 99.8 | 80-110 | 0 | |
| <i>Surr: Dibromofluoromethane</i> | 20.47 | 0 | 20 | 0 | 102 | 85-115 | 0 | |
| <i>Surr: Toluene-d8</i> | 19.4 | 0 | 20 | 0 | 97 | 85-110 | 0 | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation
 Work Order: 20090222
 Project: Grafton Lime Kiln LF

QC BATCH REPORT

Batch ID: R297655B Instrument ID VMS8 Method: SW8260C

| MS | | Sample ID: 20090222-02A MS | | | | Units: µg/L | | Analysis Date: 9/9/2020 01:09 AM | | |
|-----------------------------|--------|----------------------------|---------|---------------|------|----------------|---------------|----------------------------------|-----------|-------|
| Client ID: P2B | | Run ID: VMS8_200908B | | | | SeqNo: 6691211 | | Prep Date: | | DF: 5 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | 68.3 | 7.6 | 100 | 0 | 68.3 | 75-130 | 0 | | | S |
| 1,1,2,2-Tetrachloroethane | 59.15 | 6.7 | 100 | 0 | 59.2 | 75-130 | 0 | | | S |
| 1,1,2-Trichloroethane | 61.45 | 7.7 | 100 | 0 | 61.4 | 75-125 | 0 | | | S |
| 1,1-Dichloroethane | 74.65 | 7.4 | 100 | 5.1 | 69.6 | 68-142 | 0 | | | |
| 1,1-Dichloroethene | 75.75 | 6.8 | 100 | 1.03 | 74.7 | 70-145 | 0 | | | |
| 1,2,3-Trichlorobenzene | 57.3 | 7.0 | 100 | 0 | 57.3 | 70-140 | 0 | | | S |
| 1,2,4-Trichlorobenzene | 59.2 | 7.6 | 100 | 0 | 59.2 | 70-135 | 0 | | | S |
| 1,2,4-Trimethylbenzene | 57.5 | 7.5 | 100 | 0 | 57.5 | 75-130 | 0 | | | S |
| 1,2-Dibromo-3-chloropropane | 57.25 | 7.2 | 100 | 0 | 57.2 | 60-130 | 0 | | | S |
| 1,2-Dibromoethane | 66.4 | 6.8 | 100 | 0 | 66.4 | 67-155 | 0 | | | S |
| 1,2-Dichlorobenzene | 62.7 | 5.4 | 100 | 0 | 62.7 | 70-130 | 0 | | | S |
| 1,2-Dichloroethane | 65.4 | 7.2 | 100 | 0 | 65.4 | 78-125 | 0 | | | S |
| 1,2-Dichloropropane | 62.4 | 8.0 | 100 | 0 | 62.4 | 75-125 | 0 | | | S |
| 1,3,5-Trimethylbenzene | 60.7 | 11 | 100 | 0 | 60.7 | 75-130 | 0 | | | S |
| 1,3-Dichlorobenzene | 63.45 | 5.4 | 100 | 0 | 63.4 | 75-130 | 0 | | | S |
| 1,4-Dichlorobenzene | 63.45 | 5.8 | 100 | 0 | 63.4 | 75-130 | 0 | | | S |
| 2-Butanone | 69.25 | 8.6 | 100 | 0 | 69.2 | 55-150 | 0 | | | |
| 2-Hexanone | 62.25 | 9.8 | 100 | 0 | 62.2 | 60-135 | 0 | | | |
| 4-Methyl-2-pentanone | 94.35 | 8.6 | 100 | 0 | 94.4 | 77-178 | 0 | | | |
| Acetone | 61.85 | 100 | 100 | 1.97 | 59.9 | 60-160 | 0 | | | JS |
| Benzene | 62.3 | 7.6 | 100 | 0 | 62.3 | 70-130 | 0 | | | S |
| Bromochloromethane | 64 | 7.4 | 100 | 0 | 64 | 72-141 | 0 | | | S |
| Bromodichloromethane | 67.8 | 8.2 | 100 | 0 | 67.8 | 75-125 | 0 | | | S |
| Bromoform | 50.7 | 9.4 | 100 | 0 | 50.7 | 60-125 | 0 | | | S |
| Bromomethane | 387.5 | 15 | 100 | 0 | 388 | 30-185 | 0 | | | S |
| Carbon disulfide | 72.45 | 8.2 | 100 | 0 | 72.4 | 60-165 | 0 | | | |
| Carbon tetrachloride | 64.75 | 6.8 | 100 | 0 | 64.8 | 65-140 | 0 | | | S |
| Chlorobenzene | 62.75 | 6.7 | 100 | 0 | 62.8 | 80-120 | 0 | | | S |
| Chloroethane | 118.6 | 11 | 100 | 0 | 119 | 31-172 | 0 | | | |
| Chloroform | 67.3 | 7.6 | 100 | 0 | 67.3 | 66-135 | 0 | | | |
| Chloromethane | 60.35 | 14 | 100 | 0.41 | 59.9 | 46-148 | 0 | | | |
| cis-1,2-Dichloroethene | 269.3 | 6.9 | 100 | 256.9 | 12.4 | 75-134 | 0 | | | S |
| cis-1,3-Dichloropropene | 65.7 | 9.6 | 100 | 0 | 65.7 | 70-130 | 0 | | | S |
| Dibromochloromethane | 59.15 | 6.6 | 100 | 0 | 59.2 | 60-115 | 0 | | | S |
| Dichlorodifluoromethane | 109 | 11 | 100 | 0 | 109 | 20-120 | 0 | | | |
| Ethylbenzene | 65.85 | 5.6 | 100 | 0 | 65.8 | 76-123 | 0 | | | S |
| Isopropylbenzene | 64.55 | 5.8 | 100 | 0 | 64.6 | 80-127 | 0 | | | S |
| m,p-Xylene | 127.8 | 14 | 200 | 0 | 63.9 | 75-130 | 0 | | | S |
| Methyl tert-butyl ether | 70.35 | 7.6 | 100 | 0 | 70.4 | 68-129 | 0 | | | |
| Methylene chloride | 65.6 | 14 | 100 | 0 | 65.6 | 72-125 | 0 | | | S |
| Naphthalene | 58.2 | 13 | 100 | 0 | 58.2 | 55-160 | 0 | | | |
| o-Xylene | 63.05 | 5.2 | 100 | 0 | 63 | 76-127 | 0 | | | S |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20090222

Project: Grafton Lime Kiln LF

QC BATCH REPORT

| | | | | | | | | | |
|------------------------------------|---------------------------|------------------------|------------|----------|-------------|---------------|----------|---|--|
| Batch ID: R297655B | Instrument ID VMS8 | Method: SW8260C | | | | | | | |
| Styrene | 61.6 | 5.6 | 100 | 0 | 61.6 | 83-137 | 0 | S | |
| Tetrachloroethene | 71.4 | 6.6 | 100 | 0 | 71.4 | 68-166 | 0 | | |
| Tetrahydrofuran | 54.75 | 12 | 100 | 0 | 54.8 | 54-139 | 0 | | |
| Toluene | 72.3 | 7.6 | 100 | 0 | 72.3 | 76-125 | 0 | S | |
| trans-1,2-Dichloroethene | 78.15 | 8.0 | 100 | 3.47 | 74.7 | 80-140 | 0 | S | |
| trans-1,3-Dichloropropene | 63.25 | 14 | 100 | 0 | 63.2 | 56-132 | 0 | | |
| Trichloroethene | 147.5 | 7.2 | 100 | 71.16 | 76.3 | 77-125 | 0 | S | |
| Trichlorofluoromethane | 60.15 | 8.6 | 100 | 0 | 60.2 | 60-140 | 0 | | |
| Vinyl chloride | 222.9 | 8.8 | 100 | 141.8 | 81.1 | 50-136 | 0 | | |
| Xylenes, Total | 190.8 | 22 | 300 | 0 | 63.6 | 76-127 | 0 | S | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>100.4</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>100</i> | <i>75-120</i> | <i>0</i> | | |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>95.6</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>95.6</i> | <i>80-110</i> | <i>0</i> | | |
| <i>Surr: Dibromofluoromethane</i> | <i>100.8</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>101</i> | <i>85-115</i> | <i>0</i> | | |
| <i>Surr: Toluene-d8</i> | <i>101.8</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>102</i> | <i>85-110</i> | <i>0</i> | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation
Work Order: 20090222
Project: Grafton Lime Kiln LF

QC BATCH REPORT

Batch ID: **R297655B** Instrument ID **VMS8** Method: **SW8260C**

| MSD | | Sample ID: 20090222-02A MSD | | | | Units: µg/L | | Analysis Date: 9/9/2020 01:26 AM | | | |
|-----------------------------|--------|------------------------------------|---------|---------------|------|-----------------------|---------------|---|-----------|--------------|--|
| Client ID: P2B | | Run ID: VMS8_200908B | | | | SeqNo: 6691212 | | Prep Date: | | DF: 5 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual | |
| 1,1,1-Trichloroethane | 71.05 | 7.6 | 100 | 0 | 71 | 75-130 | 68.3 | 3.95 | 30 | S | |
| 1,1,2,2-Tetrachloroethane | 61.95 | 6.7 | 100 | 0 | 62 | 75-130 | 59.15 | 4.62 | 30 | S | |
| 1,1,2-Trichloroethane | 65.85 | 7.7 | 100 | 0 | 65.8 | 75-125 | 61.45 | 6.91 | 30 | S | |
| 1,1-Dichloroethane | 75.75 | 7.4 | 100 | 5.1 | 70.6 | 68-142 | 74.65 | 1.46 | 30 | | |
| 1,1-Dichloroethene | 77.2 | 6.8 | 100 | 1.03 | 76.2 | 70-145 | 75.75 | 1.9 | 30 | | |
| 1,2,3-Trichlorobenzene | 58 | 7.0 | 100 | 0 | 58 | 70-140 | 57.3 | 1.21 | 30 | S | |
| 1,2,4-Trichlorobenzene | 60.95 | 7.6 | 100 | 0 | 61 | 70-135 | 59.2 | 2.91 | 30 | S | |
| 1,2,4-Trimethylbenzene | 60.95 | 7.5 | 100 | 0 | 61 | 75-130 | 57.5 | 5.83 | 30 | S | |
| 1,2-Dibromo-3-chloropropane | 59.55 | 7.2 | 100 | 0 | 59.6 | 60-130 | 57.25 | 3.94 | 30 | S | |
| 1,2-Dibromoethane | 68.5 | 6.8 | 100 | 0 | 68.5 | 67-155 | 66.4 | 3.11 | 30 | | |
| 1,2-Dichlorobenzene | 62.6 | 5.4 | 100 | 0 | 62.6 | 70-130 | 62.7 | 0.16 | 30 | S | |
| 1,2-Dichloroethane | 65.65 | 7.2 | 100 | 0 | 65.6 | 78-125 | 65.4 | 0.382 | 30 | S | |
| 1,2-Dichloropropane | 62.5 | 8.0 | 100 | 0 | 62.5 | 75-125 | 62.4 | 0.16 | 30 | S | |
| 1,3,5-Trimethylbenzene | 63.15 | 11 | 100 | 0 | 63.2 | 75-130 | 60.7 | 3.96 | 30 | S | |
| 1,3-Dichlorobenzene | 65.65 | 5.4 | 100 | 0 | 65.6 | 75-130 | 63.45 | 3.41 | 30 | S | |
| 1,4-Dichlorobenzene | 65.65 | 5.8 | 100 | 0 | 65.6 | 75-130 | 63.45 | 3.41 | 30 | S | |
| 2-Butanone | 72.25 | 8.6 | 100 | 0 | 72.2 | 55-150 | 69.25 | 4.24 | 30 | | |
| 2-Hexanone | 66.1 | 9.8 | 100 | 0 | 66.1 | 60-135 | 62.25 | 6 | 30 | | |
| 4-Methyl-2-pentanone | 99.65 | 8.6 | 100 | 0 | 99.6 | 77-178 | 94.35 | 5.46 | 30 | | |
| Acetone | 62.5 | 100 | 100 | 1.97 | 60.5 | 60-160 | 61.85 | 0 | 30 | J | |
| Benzene | 63 | 7.6 | 100 | 0 | 63 | 70-130 | 62.3 | 1.12 | 30 | S | |
| Bromochloromethane | 66.7 | 7.4 | 100 | 0 | 66.7 | 72-141 | 64 | 4.13 | 30 | S | |
| Bromodichloromethane | 69.5 | 8.2 | 100 | 0 | 69.5 | 75-125 | 67.8 | 2.48 | 30 | S | |
| Bromoform | 53.75 | 9.4 | 100 | 0 | 53.8 | 60-125 | 50.7 | 5.84 | 30 | S | |
| Bromomethane | 389.5 | 15 | 100 | 0 | 390 | 30-185 | 387.5 | 0.515 | 30 | S | |
| Carbon disulfide | 76.05 | 8.2 | 100 | 0 | 76 | 60-165 | 72.45 | 4.85 | 30 | | |
| Carbon tetrachloride | 68.3 | 6.8 | 100 | 0 | 68.3 | 65-140 | 64.75 | 5.34 | 30 | | |
| Chlorobenzene | 65.15 | 6.7 | 100 | 0 | 65.2 | 80-120 | 62.75 | 3.75 | 30 | S | |
| Chloroethane | 113.7 | 11 | 100 | 0 | 114 | 31-172 | 118.6 | 4.26 | 30 | | |
| Chloroform | 67.95 | 7.6 | 100 | 0 | 68 | 66-135 | 67.3 | 0.961 | 30 | | |
| Chloromethane | 62.35 | 14 | 100 | 0.41 | 61.9 | 46-148 | 60.35 | 3.26 | 30 | | |
| cis-1,2-Dichloroethene | 266.4 | 6.9 | 100 | 256.9 | 9.45 | 75-134 | 269.3 | 1.1 | 30 | S | |
| cis-1,3-Dichloropropene | 66.8 | 9.6 | 100 | 0 | 66.8 | 70-130 | 65.7 | 1.66 | 30 | S | |
| Dibromochloromethane | 61.25 | 6.6 | 100 | 0 | 61.2 | 60-115 | 59.15 | 3.49 | 30 | | |
| Dichlorodifluoromethane | 109.2 | 11 | 100 | 0 | 109 | 20-120 | 109 | 0.229 | 30 | | |
| Ethylbenzene | 68.55 | 5.6 | 100 | 0 | 68.6 | 76-123 | 65.85 | 4.02 | 30 | S | |
| Isopropylbenzene | 68.15 | 5.8 | 100 | 0 | 68.2 | 80-127 | 64.55 | 5.43 | 30 | S | |
| m,p-Xylene | 132.7 | 14 | 200 | 0 | 66.4 | 75-130 | 127.8 | 3.8 | 30 | S | |
| Methyl tert-butyl ether | 72.55 | 7.6 | 100 | 0 | 72.6 | 68-129 | 70.35 | 3.08 | 30 | | |
| Methylene chloride | 67 | 14 | 100 | 0 | 67 | 72-125 | 65.6 | 2.11 | 30 | S | |
| Naphthalene | 58.25 | 13 | 100 | 0 | 58.2 | 55-160 | 58.2 | 0.0859 | 30 | | |
| o-Xylene | 65.25 | 5.2 | 100 | 0 | 65.2 | 76-127 | 63.05 | 3.43 | 30 | S | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20090222

Project: Grafton Lime Kiln LF

QC BATCH REPORT

| Batch ID: R297655B | Instrument ID VMS8 | Method: SW8260C | | | | | | | | | |
|------------------------------------|---------------------------|------------------------|------------|----------|------------|---------------|--------------|--------------|-----------|---|--|
| Styrene | 63.1 | 5.6 | 100 | 0 | 63.1 | 83-137 | 61.6 | 2.41 | 30 | S | |
| Tetrachloroethene | 73.1 | 6.6 | 100 | 0 | 73.1 | 68-166 | 71.4 | 2.35 | 30 | | |
| Tetrahydrofuran | 57.1 | 12 | 100 | 0 | 57.1 | 54-139 | 54.75 | 4.2 | 30 | | |
| Toluene | 73.4 | 7.6 | 100 | 0 | 73.4 | 76-125 | 72.3 | 1.51 | 30 | S | |
| trans-1,2-Dichloroethene | 79.65 | 8.0 | 100 | 3.47 | 76.2 | 80-140 | 78.15 | 1.9 | 30 | S | |
| trans-1,3-Dichloropropene | 65.45 | 14 | 100 | 0 | 65.4 | 56-132 | 63.25 | 3.42 | 30 | | |
| Trichloroethene | 141.4 | 7.2 | 100 | 71.16 | 70.2 | 77-125 | 147.5 | 4.22 | 30 | S | |
| Trichlorofluoromethane | 60.5 | 8.6 | 100 | 0 | 60.5 | 60-140 | 60.15 | 0.58 | 30 | | |
| Vinyl chloride | 226.3 | 8.8 | 100 | 141.8 | 84.5 | 50-136 | 222.9 | 1.51 | 30 | | |
| Xylenes, Total | 198 | 22 | 300 | 0 | 66 | 76-127 | 190.8 | 3.68 | 30 | S | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>101</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>101</i> | <i>75-120</i> | <i>100.4</i> | <i>0.645</i> | <i>30</i> | | |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>101.2</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>101</i> | <i>80-110</i> | <i>95.6</i> | <i>5.74</i> | <i>30</i> | | |
| <i>Surr: Dibromofluoromethane</i> | <i>101.9</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>102</i> | <i>85-115</i> | <i>100.8</i> | <i>1.04</i> | <i>30</i> | | |
| <i>Surr: Toluene-d8</i> | <i>102.4</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>102</i> | <i>85-110</i> | <i>101.8</i> | <i>0.539</i> | <i>30</i> | | |

The following samples were analyzed in this batch:

| | | |
|--------------|--------------|--------------|
| 20090222-01A | 20090222-02A | 20090222-05A |
| 20090222-06A | 20090222-14A | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Cincinnati, OH
+1 513 733 5336

Everett, WA
+1 425 356 2600

Fort Collins, CO
+1 970 490 1511

Holland, MI
+1 616 399 6070

Chain of Custody Form

Page 1 of 2

COC ID: 222969

Houston, TX
+1 281 530 5656

Middletown, PA
+1 717 944 5541

Spring City, PA
+1 610 948 4903

Salt Lake City, UT
+1 801 266 7700

South Charleston, WV
+1 304 356 3168

York, PA
+1 717 505 5280

ALS Project Manager:

ALS Work Order #: 20090222

| Customer Information | | Project Information | | Parameter/Method Request for Analysis | | | | | | | | | | | | |
|----------------------|-------------------------------|---------------------|-----------------------|---------------------------------------|------|--|--|--|--|--|--|--|--|--|--|--|
| Purchase Order | | Project Name | Grafton Lime Kiln LF | A | VOCs | | | | | | | | | | | |
| Work Order | | Project Number | 383236 Phase 2 Task 3 | B | | | | | | | | | | | | |
| Company Name | TRC Environmental Corporation | Bill To Company | TRC Companies Inc | C | | | | | | | | | | | | |
| Send Report To | Marta Stollenwerk | Invoice Attn | Accounts Payable | D | | | | | | | | | | | | |
| Address | 150 N. Patrick Boulevard | Address | 21 Griffin Road North | E | | | | | | | | | | | | |
| | Suite 180 | | | | F | | | | | | | | | | | |
| City/State/Zip | Brookfield, WI 53045 | City/State/Zip | Windsor, CT 06095 | G | | | | | | | | | | | | |
| Phone | (660) 379-1212 | Phone | (860) 298-9692 | H | | | | | | | | | | | | |
| Fax | MStollenwerk@trccompanies.com | Fax | (860) 298-6399 | I | | | | | | | | | | | | |
| e-Mail Address | ASobbe@trccompanies.com | e-Mail Address | | J | | | | | | | | | | | | |

| No. | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold | | | | |
|-----|--------------------|---------|------|--------|-------|-----------|---|---|---|---|---|---|---|---|---|---|------|--|--|--|--|
| 1 | MW2A | 9-1-20 | 1125 | W | HCL | 3 | X | | | | | | | | | | | | | | |
| 2 | P2B | 8-31-20 | 808 | | | | | | | | | | | | | | | | | | |
| 3 | P3B | 8-31-20 | 1040 | | | | | | | | | | | | | | | | | | |
| 4 | P7B | 8-31-20 | 1215 | | | | | | | | | | | | | | | | | | |
| 5 | MW8A | 9-1-20 | 813 | | | | | | | | | | | | | | | | | | |
| 6 | P8B | 9-1-20 | 915 | | | | | | | | | | | | | | | | | | |
| 7 | P9B | 9-1-20 | 1030 | | | | | | | | | | | | | | | | | | |
| 8 | P10B | 8-31-20 | 930 | | | | | | | | | | | | | | | | | | |
| 9 | PW176LR | 8-31-20 | 1130 | | | | | | | | | | | | | | | | | | |
| 10 | PW177HC | 9-1-20 | 1200 | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | |
|--|--------------|--------------------------|--|--|--------------|--|---|--|--|---|--------------------------------|
| Sampler(s) Please Print & Sign <i>Aaron Sobbe</i> | | Shipment Method FedEx | | Required Turnaround Time: (Check Box) <input checked="" type="checkbox"/> Std 10 WK Days <input type="checkbox"/> 5 WK Days <input type="checkbox"/> Other 2 WK Days <input type="checkbox"/> 24 Hour | | | | Results Due Date: | | | |
| Relinquished by: <i>AS</i> | Date: 9-1-20 | Time: 1700 | Received by: <i>FedEx</i> | Notes: | | | | | | | |
| Relinquished by: <i>FedEx</i> | Date: 9/2/20 | Time: 1030 | Received by (Laboratory): <i>[Signature]</i> | Cooler ID | Cooler Temp. | QC Package: (Check One Box Below) | | | | | |
| Logged by (Laboratory): <i>KEV</i> | Date: 9/2/20 | Time: 1520 | Checked by (Laboratory): <i>[Signature]</i> | IR3 | 3.2°C | <input type="checkbox"/> Level II Std QC | <input type="checkbox"/> TRRP CheckList | <input type="checkbox"/> Level III Std QC/Raw Data | <input type="checkbox"/> TRRP Level IV | <input type="checkbox"/> Level IV SW846/CLP | <input type="checkbox"/> Other |
| Preservative Key: 1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-Na ₂ S ₂ O ₃ 6-NaHSO ₄ 7-Other 8-4°C 9-5035 | | | | | | | | | | | |



Cincinnati, OH
+1 513 733 5336

Fort Collins, CO
+1 970 490 1511

Everett, WA
+1 425 356 2600

Holland, MI
+1 616 399 6070

Chain of Custody Form

Houston, TX
+1 281 530 5656

Spring City, PA
+1 610 948 4903

South Charleston, WV
+1 304 356 3168

Middletown, PA
+1 717 944 5541

Salt Lake City, UT
+1 801 266 7700

York, PA
+1 717 505 5280

Page 2 of 2

COC ID: 222968

ALS Project Manager:

ALS Work Order #: 20090222

| Customer Information | | Project Information | | Parameter/Method Request for Analysis | | | | | | | | | | | | |
|----------------------|-------------------------------|---------------------|-----------------------|---------------------------------------|------|--|--|--|--|--|--|--|--|--|--|--|
| Purchase Order | | Project Name | Grafton Line kiln LF | A | VOCs | | | | | | | | | | | |
| Work Order | | Project Number | 383236 Phase 1 Task 3 | B | | | | | | | | | | | | |
| Company Name | TRC Environmental Corporation | Bill To Company | TRC Companies Inc | C | | | | | | | | | | | | |
| Send Report To | Marta Stollenwerk | Invoice Attn | Accounts Payable | D | | | | | | | | | | | | |
| Address | 150 N. Patrick Boulevard | Address | 21 Griffin Road North | E | | | | | | | | | | | | |
| | Suite 180 | | | | F | | | | | | | | | | | |
| City/State/Zip | Brookfield, WI 53045 | City/State/Zip | Windsor, CT 06095 | G | | | | | | | | | | | | |
| Phone | (263) 879-1212 | Phone | (860) 293-9692 | H | | | | | | | | | | | | |
| Fax | mstollenwerk@trccompanies.com | Fax | (860) 293-8399 | I | | | | | | | | | | | | |
| e-Mail Address | asobbe@trccompanies.com | e-Mail Address | | J | | | | | | | | | | | | |

| No. | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|-----|--------------------|------------------------|------|--------|-------|-----------|---|---|---|---|---|---|---|---|---|---|------|
| 1 | PW1530LR | 9-1-20 | 1235 | W | HCL | 3 | x | | | | | | | | | | |
| 2 | PW461HR | 7300 9-1-20 | 1300 | I | I | 3 | I | | | | | | | | | | |
| 3 | PW1587LR | 9-1-20 | 1325 | I | I | 3 | I | | | | | | | | | | |
| 4 | DUP-1 | 9-1-20 | - | I | I | 3 | I | | | | | | | | | | |
| 5 | Trip Blank | 9-1-20 | - | I | I | 2 | I | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | |
|--|--------------|--------------------------|---------------------------|---|--|--|--|---|--|--|--|
| Sampler(s) Please Print & Sign <i>Aaron Sobbe</i> | | Shipment Method FedEx | | Required Turnaround Time: (Check Box) <input checked="" type="checkbox"/> Std 10 WK Days <input type="checkbox"/> 5 WK Days <input type="checkbox"/> Other <input type="checkbox"/> 2 WK Days <input type="checkbox"/> 24 Hour | | | | Results Due Date: | | | |
| Relinquished by: | Date: 9-1-20 | Time: 1700 | Received by: | Notes: | | | | | | | |
| Relinquished by: | Date: 9/2/20 | Time: 1030 | Received by (Laboratory): | Cooler ID | | | | Cooler Temp. | | | |
| Logged by (Laboratory): | Date: 9/2/20 | Time: 1500 | Checked by (Laboratory): | QC Package: (Check One Box Below) | | | | | | | |
| Preservative Key: 1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-Na ₂ S ₂ O ₃ 6-NaHSO ₄ 7-Other 8-4 G 9-5035 | | | | <input type="checkbox"/> Level II Std QC <input type="checkbox"/> TRRP CheckList | | | | <input type="checkbox"/> Level III Std QC/Raw Data <input type="checkbox"/> TRRP Level IV | | | |
| | | | | <input type="checkbox"/> Level IV SW846/CLP | | | | <input type="checkbox"/> Other | | | |

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

Sample Receipt Checklist

Client Name: **TRC - BROOKFIELD**

Date/Time Received: **02-Sep-20 10:30**

Work Order: **20090222**

Received by: **KRW**

Checklist completed by Keith Wierenga 02-Sep-20
eSignature Date

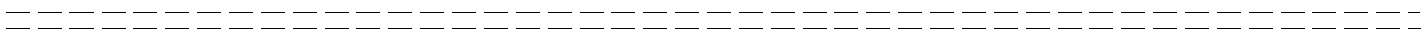
Reviewed by: Chad Whelton 03-Sep-20
eSignature Date

Matrices: Water

Carrier name: FedEx

| | | | |
|---|---|--|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample(s) received on ice? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Temperature(s)/Thermometer(s): | <u>3.2/4.2 C</u> | | <u>IR3</u> |
| Cooler(s)/Kit(s): | <u> </u> | | |
| Date/Time sample(s) sent to storage: | <u>9/2/2020 3:26:12 PM</u> | | |
| Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| pH adjusted? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | N/A <input type="checkbox"/> |
| pH adjusted by: | <u> </u> | | |

Login Notes:



Client Contacted: _____ Date Contacted: _____ Person Contacted: _____

Contacted By: _____ Regarding: _____

Comments:

CorrectiveAction:



13-Oct-2020

Marita Stollenwerk
TRC Environmental Corporation
150 N. Patrick Boulevard
Suite 180
Brookfield, WI 53045

Data assessment (ALS Environmental, Holland, MI/Work Order: 20100121):

All holding times, field and laboratory qc, and blanks met criteria, except as specified below.

Blanks: sample detections <5x blank value were flagged as nondetect ('u') at the reported limit.

- Methylene chloride was detected in the trip blank at 4.9 µg/L.

MS/MSD were performed on non-project samples; N/A

P Popp, 1/21/2021

Re: **Grafton Lime Kiln LF**

Work Order: **20100121**

Dear Marita,

ALS Environmental received 2 samples on 01-Oct-2020 11:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 19.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

A handwritten signature in black ink, appearing to read "Chad Whelton", is written over a faint, larger version of the same signature.

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

Report of Laboratory Analysis

Certificate No: MN 026-999-449

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Work Order: 20100121

Work Order Sample Summary

| <u>Lab Samp ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Tag Number</u> | <u>Collection Date</u> | <u>Date Received</u> | <u>Hold</u> |
|--------------------|-------------------------|---------------|-------------------|------------------------|----------------------|--------------------------|
| 20100121-01 | SP-02 | Groundwater | | 9/29/2020 14:15 | 10/1/2020 11:00 | <input type="checkbox"/> |
| 20100121-02 | Trip Blank | Water | | 9/29/2020 | 10/1/2020 11:00 | <input type="checkbox"/> |

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Work Order: 20100121

Case Narrative

Samples for the above noted Work Order were received on 10/01/2020. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, sample condition, preservation, and temperature compliance.

In order to ensure compliance with NR 149 criteria, please note the following report format:

- (1) The Limit of Detection (LOD) is reported as the MDL (Method Detection Limit)
- (2) The Limit of Quantitation (LOQ) is reported as the PQL (Practical Quantitation Limit)
- (3) All reported concentrations, including those for the LOD and LOQ, are adjusted for any required dilutions
- (4) All reported concentrations, including those for the LOD and LOQ, are adjusted for moisture content when samples are reported on a dry weight basis.

Samples were analyzed according to the analytical methodology previously documented in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Detail as to the associated samples can be found at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, acronyms, and units utilized in reporting.

With the following exceptions, all sample analyses achieved analytical criteria.

Volatile Organics

No deviations or anomalies noted

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
WorkOrder: 20100121

**QUALIFIERS,
ACRONYMS, UNITS**

| <u>Qualifier</u> | <u>Description</u> |
|------------------|---|
| * | Value exceeds Regulatory Limit |
| ** | Estimated Value |
| a | Analyte is non-accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| Hr | BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated. |
| J | Analyte is present at an estimated concentration between the MDL and Report Limit |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL |
| X | Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. |

| <u>Acronym</u> | <u>Description</u> |
|----------------|-------------------------------------|
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCS D | Laboratory Control Sample Duplicate |
| LOD | Limit of Detection (see MDL) |
| LOQ | Limit of Quantitation (see PQL) |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| TDL | Target Detection Limit |
| TNTC | Too Numerous To Count |
| A | APHA Standard Methods |
| D | ASTM |
| E | EPA |
| SW | SW-846 Update III |

| <u>Units Reported</u> | <u>Description</u> |
|-----------------------|----------------------|
| µg/L | Micrograms per Liter |

ALS Group, USA

Date: 13-Oct-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: SP-02
Collection Date: 9/29/2020 02:15 PM

Work Order: 20100121
Lab ID: 20100121-01
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|-------------|-----------------|------------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | Analyst: BG | | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 10/12/2020 18:30 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 10/12/2020 18:30 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 10/12/2020 18:30 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 10/12/2020 18:30 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 10/12/2020 18:30 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 10/12/2020 18:30 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 10/12/2020 18:30 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 10/12/2020 18:30 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 10/12/2020 18:30 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 10/12/2020 18:30 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 10/12/2020 18:30 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 10/12/2020 18:30 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 10/12/2020 18:30 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 10/12/2020 18:30 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 10/12/2020 18:30 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 10/12/2020 18:30 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 10/12/2020 18:30 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 10/12/2020 18:30 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 10/12/2020 18:30 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 10/12/2020 18:30 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 10/12/2020 18:30 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 10/12/2020 18:30 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 10/12/2020 18:30 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 10/12/2020 18:30 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 10/12/2020 18:30 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 10/12/2020 18:30 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 10/12/2020 18:30 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 10/12/2020 18:30 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 10/12/2020 18:30 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 10/12/2020 18:30 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 10/12/2020 18:30 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 10/12/2020 18:30 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 10/12/2020 18:30 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 10/12/2020 18:30 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 10/12/2020 18:30 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 10/12/2020 18:30 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 10/12/2020 18:30 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 10/12/2020 18:30 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 13-Oct-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: SP-02
Collection Date: 9/29/2020 02:15 PM

Work Order: 20100121
Lab ID: 20100121-01
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|--------|------|------|--------------|-------|-----------------|------------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 10/12/2020 18:30 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 10/12/2020 18:30 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 10/12/2020 18:30 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 10/12/2020 18:30 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 10/12/2020 18:30 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 10/12/2020 18:30 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 10/12/2020 18:30 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 10/12/2020 18:30 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 10/12/2020 18:30 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 10/12/2020 18:30 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 10/12/2020 18:30 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 10/12/2020 18:30 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 10/12/2020 18:30 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 10/12/2020 18:30 |
| Trichloroethene | U | | 0.43 | 1.4 | µg/L | 1 | 10/12/2020 18:30 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 10/12/2020 18:30 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 10/12/2020 18:30 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 10/12/2020 18:30 |
| Surr: 1,2-Dichloroethane-d4 | 102 | | | 75-120 | %REC | 1 | 10/12/2020 18:30 |
| Surr: 4-Bromofluorobenzene | 102 | | | 80-110 | %REC | 1 | 10/12/2020 18:30 |
| Surr: Dibromofluoromethane | 104 | | | 85-115 | %REC | 1 | 10/12/2020 18:30 |
| Surr: Toluene-d8 | 100 | | | 85-110 | %REC | 1 | 10/12/2020 18:30 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 13-Oct-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: Trip Blank
Collection Date: 9/29/2020

Work Order: 20100121
Lab ID: 20100121-02
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|-------|-----------------|------------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: BG | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 10/12/2020 17:18 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 10/12/2020 17:18 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 10/12/2020 17:18 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 10/12/2020 17:18 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 10/12/2020 17:18 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 10/12/2020 17:18 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 10/12/2020 17:18 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 10/12/2020 17:18 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 10/12/2020 17:18 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 10/12/2020 17:18 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 10/12/2020 17:18 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 10/12/2020 17:18 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 10/12/2020 17:18 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 10/12/2020 17:18 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 10/12/2020 17:18 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 10/12/2020 17:18 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 10/12/2020 17:18 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 10/12/2020 17:18 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 10/12/2020 17:18 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 10/12/2020 17:18 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 10/12/2020 17:18 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 10/12/2020 17:18 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 10/12/2020 17:18 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 10/12/2020 17:18 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 10/12/2020 17:18 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 10/12/2020 17:18 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 10/12/2020 17:18 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 10/12/2020 17:18 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 10/12/2020 17:18 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 10/12/2020 17:18 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 10/12/2020 17:18 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 10/12/2020 17:18 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 10/12/2020 17:18 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 10/12/2020 17:18 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 10/12/2020 17:18 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 10/12/2020 17:18 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 10/12/2020 17:18 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 10/12/2020 17:18 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 13-Oct-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln LF
Sample ID: Trip Blank
Collection Date: 9/29/2020

Work Order: 20100121
Lab ID: 20100121-02
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|------------|------|-------------|--------------|-------------|-----------------|-------------------------|
| Isopropylbenzene | | U | 0.35 | 1.2 | µg/L | 1 | 10/12/2020 17:18 |
| m,p-Xylene | | U | 0.81 | 2.7 | µg/L | 1 | 10/12/2020 17:18 |
| Methyl acetate | | U | 0.59 | 2.0 | µg/L | 1 | 10/12/2020 17:18 |
| Methyl tert-butyl ether | | U | 0.45 | 1.5 | µg/L | 1 | 10/12/2020 17:18 |
| Methylcyclohexane | | U | 0.35 | 1.2 | µg/L | 1 | 10/12/2020 17:18 |
| Methylene chloride | 4.9 | | 0.86 | 2.9 | µg/L | 1 | 10/12/2020 17:18 |
| Naphthalene | | U | 0.77 | 2.6 | µg/L | 1 | 10/12/2020 17:18 |
| o-Xylene | | U | 0.31 | 1.0 | µg/L | 1 | 10/12/2020 17:18 |
| Styrene | | U | 0.33 | 1.1 | µg/L | 1 | 10/12/2020 17:18 |
| Tetrachloroethene | | U | 0.39 | 1.3 | µg/L | 1 | 10/12/2020 17:18 |
| Tetrahydrofuran | | U | 0.73 | 2.4 | µg/L | 1 | 10/12/2020 17:18 |
| Toluene | | U | 0.45 | 1.5 | µg/L | 1 | 10/12/2020 17:18 |
| trans-1,2-Dichloroethene | | U | 0.48 | 1.6 | µg/L | 1 | 10/12/2020 17:18 |
| trans-1,3-Dichloropropene | | U | 0.38 | 2.7 | µg/L | 1 | 10/12/2020 17:18 |
| Trichloroethene | | U | 0.43 | 1.4 | µg/L | 1 | 10/12/2020 17:18 |
| Trichlorofluoromethane | | U | 0.52 | 1.7 | µg/L | 1 | 10/12/2020 17:18 |
| Vinyl chloride | | U | 0.53 | 1.8 | µg/L | 1 | 10/12/2020 17:18 |
| Xylenes, Total | | U | 0.81 | 4.4 | µg/L | 1 | 10/12/2020 17:18 |
| Surr: 1,2-Dichloroethane-d4 | 101 | | | 75-120 | %REC | 1 | 10/12/2020 17:18 |
| Surr: 4-Bromofluorobenzene | 97.1 | | | 80-110 | %REC | 1 | 10/12/2020 17:18 |
| Surr: Dibromofluoromethane | 99.7 | | | 85-115 | %REC | 1 | 10/12/2020 17:18 |
| Surr: Toluene-d8 | 101 | | | 85-110 | %REC | 1 | 10/12/2020 17:18 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: TRC Environmental Corporation
Work Order: 20100121
Project: Grafton Lime Kiln LF

QC BATCH REPORT

Batch ID: **R300211w** Instrument ID **VMS6** Method: **SW8260C**

| MBLK | | Sample ID: VBLKW1201012-R300211w | | | Units: µg/L | | Analysis Date: 10/12/2020 01:39 PM | | | |
|--------------------------------|--------|---|---------|---------------|-----------------------|---------------|---|------|--------------|------|
| Client ID: | | Run ID: VMS6_201012B | | | SeqNo: 6785954 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | U | 1.5 | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | U | 1.3 | | | | | | | | |
| 1,1,2-Trichloroethane | U | 1.5 | | | | | | | | |
| 1,1,2-Trichlorotrifluoroethane | U | 1.7 | | | | | | | | |
| 1,1-Dichloroethane | U | 1.5 | | | | | | | | |
| 1,1-Dichloroethene | U | 1.4 | | | | | | | | |
| 1,2,3-Trichlorobenzene | U | 1.4 | | | | | | | | |
| 1,2,4-Trichlorobenzene | U | 1.5 | | | | | | | | |
| 1,2,4-Trimethylbenzene | U | 1.5 | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | U | 1.4 | | | | | | | | |
| 1,2-Dibromoethane | U | 1.4 | | | | | | | | |
| 1,2-Dichlorobenzene | U | 1.1 | | | | | | | | |
| 1,2-Dichloroethane | U | 1.4 | | | | | | | | |
| 1,2-Dichloropropane | U | 1.6 | | | | | | | | |
| 1,3,5-Trimethylbenzene | U | 2.2 | | | | | | | | |
| 1,3-Dichlorobenzene | U | 1.1 | | | | | | | | |
| 1,4-Dichlorobenzene | U | 1.2 | | | | | | | | |
| 2-Butanone | U | 1.7 | | | | | | | | |
| 2-Hexanone | U | 2.0 | | | | | | | | |
| 4-Methyl-2-pentanone | U | 1.7 | | | | | | | | |
| Acetone | U | 21 | | | | | | | | |
| Benzene | U | 1.5 | | | | | | | | |
| Bromochloromethane | U | 1.5 | | | | | | | | |
| Bromodichloromethane | U | 1.6 | | | | | | | | |
| Bromoform | U | 1.9 | | | | | | | | |
| Bromomethane | U | 3.0 | | | | | | | | |
| Carbon disulfide | U | 1.6 | | | | | | | | |
| Carbon tetrachloride | U | 1.4 | | | | | | | | |
| Chlorobenzene | U | 1.3 | | | | | | | | |
| Chloroethane | U | 2.3 | | | | | | | | |
| Chloroform | U | 1.5 | | | | | | | | |
| Chloromethane | U | 2.8 | | | | | | | | |
| cis-1,2-Dichloroethene | U | 1.4 | | | | | | | | |
| cis-1,3-Dichloropropene | U | 1.9 | | | | | | | | |
| Cyclohexane | U | 2.1 | | | | | | | | |
| Dibromochloromethane | U | 1.3 | | | | | | | | |
| Dichlorodifluoromethane | U | 2.3 | | | | | | | | |
| Ethylbenzene | U | 1.1 | | | | | | | | |
| Isopropylbenzene | U | 1.2 | | | | | | | | |
| m,p-Xylene | U | 2.7 | | | | | | | | |
| Methyl acetate | U | 2.0 | | | | | | | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20100121

Project: Grafton Lime Kiln LF

QC BATCH REPORT

Batch ID: **R300211w** Instrument ID **VMS6** Method: **SW8260C**

| | | | | | | | | |
|------------------------------------|---|--------------|----------|-----------|----------|-------------|---------------|----------|
| Methyl tert-butyl ether | U | 1.5 | | | | | | |
| Methylcyclohexane | U | 1.2 | | | | | | |
| Methylene chloride | U | 2.9 | | | | | | |
| Naphthalene | U | 2.6 | | | | | | |
| o-Xylene | U | 1.0 | | | | | | |
| Styrene | U | 1.1 | | | | | | |
| Tetrachloroethene | U | 1.3 | | | | | | |
| Tetrahydrofuran | U | 2.4 | | | | | | |
| Toluene | U | 1.5 | | | | | | |
| trans-1,2-Dichloroethene | U | 1.6 | | | | | | |
| trans-1,3-Dichloropropene | U | 2.7 | | | | | | |
| Trichloroethene | U | 1.4 | | | | | | |
| Trichlorofluoromethane | U | 1.7 | | | | | | |
| Vinyl chloride | U | 1.8 | | | | | | |
| Xylenes, Total | U | 4.4 | | | | | | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | | <i>20.12</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>101</i> | <i>75-120</i> | <i>0</i> |
| <i>Surr: 4-Bromofluorobenzene</i> | | <i>19.52</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>97.6</i> | <i>80-110</i> | <i>0</i> |
| <i>Surr: Dibromofluoromethane</i> | | <i>19.69</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>98.4</i> | <i>85-115</i> | <i>0</i> |
| <i>Surr: Toluene-d8</i> | | <i>20.19</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>101</i> | <i>85-110</i> | <i>0</i> |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation
 Work Order: 20100121
 Project: Grafton Lime Kiln LF

QC BATCH REPORT

Batch ID: **R300211w** Instrument ID **VMS6** Method: **SW8260C**

| LCS | | Sample ID: VLCSW1-201112-R300211w | | | | Units: µg/L | | Analysis Date: 10/12/2020 12:51 PM | | |
|-----------------------------|--------|--|---------|-----------------------|------|--------------------|---------------|---|-----------|------|
| Client ID: | | Run ID: VMS6_201012B | | SeqNo: 6785953 | | Prep Date: | | DF: 1 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | 17.14 | 1.5 | 20 | 0 | 85.7 | 75-130 | 0 | | | |
| 1,1,2,2-Tetrachloroethane | 18.55 | 1.3 | 20 | 0 | 92.8 | 75-130 | 0 | | | |
| 1,1,2-Trichloroethane | 18.32 | 1.5 | 20 | 0 | 91.6 | 75-125 | 0 | | | |
| 1,1-Dichloroethane | 18.88 | 1.5 | 20 | 0 | 94.4 | 68-142 | 0 | | | |
| 1,1-Dichloroethene | 16.97 | 1.4 | 20 | 0 | 84.8 | 70-145 | 0 | | | |
| 1,2,3-Trichlorobenzene | 17.43 | 1.4 | 20 | 0 | 87.2 | 70-140 | 0 | | | |
| 1,2,4-Trichlorobenzene | 17.85 | 1.5 | 20 | 0 | 89.2 | 70-135 | 0 | | | |
| 1,2,4-Trimethylbenzene | 17.49 | 1.5 | 20 | 0 | 87.4 | 75-130 | 0 | | | |
| 1,2-Dibromo-3-chloropropane | 18.49 | 1.4 | 20 | 0 | 92.4 | 60-130 | 0 | | | |
| 1,2-Dibromoethane | 20.3 | 1.4 | 20 | 0 | 102 | 67-155 | 0 | | | |
| 1,2-Dichlorobenzene | 17.5 | 1.1 | 20 | 0 | 87.5 | 70-130 | 0 | | | |
| 1,2-Dichloroethane | 18.91 | 1.4 | 20 | 0 | 94.6 | 78-125 | 0 | | | |
| 1,2-Dichloropropane | 18.19 | 1.6 | 20 | 0 | 91 | 75-125 | 0 | | | |
| 1,3,5-Trimethylbenzene | 17.41 | 2.2 | 20 | 0 | 87 | 75-130 | 0 | | | |
| 1,3-Dichlorobenzene | 17.87 | 1.1 | 20 | 0 | 89.4 | 75-130 | 0 | | | |
| 1,4-Dichlorobenzene | 18.42 | 1.2 | 20 | 0 | 92.1 | 75-130 | 0 | | | |
| 2-Butanone | 18.09 | 1.7 | 20 | 0 | 90.4 | 55-150 | 0 | | | |
| 2-Hexanone | 21.11 | 2.0 | 20 | 0 | 106 | 60-135 | 0 | | | |
| 4-Methyl-2-pentanone | 28.46 | 1.7 | 20 | 0 | 142 | 77-178 | 0 | | | |
| Acetone | 18.73 | 21 | 20 | 0 | 93.6 | 60-160 | 0 | | | J |
| Benzene | 18.75 | 1.5 | 20 | 0 | 93.8 | 70-130 | 0 | | | |
| Bromochloromethane | 17.06 | 1.5 | 20 | 0 | 85.3 | 72-141 | 0 | | | |
| Bromodichloromethane | 17.64 | 1.6 | 20 | 0 | 88.2 | 75-125 | 0 | | | |
| Bromoform | 16.15 | 1.9 | 20 | 0 | 80.8 | 60-125 | 0 | | | |
| Bromomethane | 20.25 | 3.0 | 20 | 0 | 101 | 30-185 | 0 | | | |
| Carbon disulfide | 18.28 | 1.6 | 20 | 0 | 91.4 | 60-165 | 0 | | | |
| Carbon tetrachloride | 17.32 | 1.4 | 20 | 0 | 86.6 | 65-140 | 0 | | | |
| Chlorobenzene | 18.08 | 1.3 | 20 | 0 | 90.4 | 80-120 | 0 | | | |
| Chloroethane | 19.14 | 2.3 | 20 | 0 | 95.7 | 31-172 | 0 | | | |
| Chloroform | 18.04 | 1.5 | 20 | 0 | 90.2 | 66-135 | 0 | | | |
| Chloromethane | 17.82 | 2.8 | 20 | 0 | 89.1 | 46-148 | 0 | | | |
| cis-1,2-Dichloroethene | 18.63 | 1.4 | 20 | 0 | 93.2 | 75-134 | 0 | | | |
| cis-1,3-Dichloropropene | 18.04 | 1.9 | 20 | 0 | 90.2 | 70-130 | 0 | | | |
| Dibromochloromethane | 16.48 | 1.3 | 20 | 0 | 82.4 | 60-115 | 0 | | | |
| Dichlorodifluoromethane | 23.78 | 2.3 | 20 | 0 | 119 | 20-120 | 0 | | | |
| Ethylbenzene | 18.56 | 1.1 | 20 | 0 | 92.8 | 76-123 | 0 | | | |
| Isopropylbenzene | 17.38 | 1.2 | 20 | 0 | 86.9 | 80-127 | 0 | | | |
| m,p-Xylene | 37.1 | 2.7 | 40 | 0 | 92.8 | 75-130 | 0 | | | |
| Methyl tert-butyl ether | 19.96 | 1.5 | 20 | 0 | 99.8 | 68-129 | 0 | | | |
| Methylene chloride | 17.43 | 2.9 | 20 | 0 | 87.2 | 72-125 | 0 | | | |
| Naphthalene | 18.71 | 2.6 | 20 | 0 | 93.6 | 55-160 | 0 | | | |
| o-Xylene | 18.3 | 1.0 | 20 | 0 | 91.5 | 76-127 | 0 | | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20100121

Project: Grafton Lime Kiln LF

QC BATCH REPORT

| | | | | | | | | |
|------------------------------------|---------------------------|------------------------|----|---|------|--------|---|--|
| Batch ID: R300211w | Instrument ID VMS6 | Method: SW8260C | | | | | | |
| Styrene | 17.57 | 1.1 | 20 | 0 | 87.8 | 79-117 | 0 | |
| Tetrachloroethene | 18.44 | 1.3 | 20 | 0 | 92.2 | 68-166 | 0 | |
| Tetrahydrofuran | 19.19 | 2.4 | 20 | 0 | 96 | 54-139 | 0 | |
| Toluene | 18.56 | 1.5 | 20 | 0 | 92.8 | 76-125 | 0 | |
| trans-1,2-Dichloroethene | 18.58 | 1.6 | 20 | 0 | 92.9 | 80-140 | 0 | |
| trans-1,3-Dichloropropene | 16.38 | 2.7 | 20 | 0 | 81.9 | 56-132 | 0 | |
| Trichloroethene | 17.93 | 1.4 | 20 | 0 | 89.6 | 77-125 | 0 | |
| Trichlorofluoromethane | 14.48 | 1.7 | 20 | 0 | 72.4 | 60-140 | 0 | |
| Vinyl chloride | 18.89 | 1.8 | 20 | 0 | 94.4 | 50-136 | 0 | |
| Xylenes, Total | 55.4 | 4.4 | 60 | 0 | 92.3 | 76-127 | 0 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 19.52 | 0 | 20 | 0 | 97.6 | 75-120 | 0 | |
| <i>Surr: 4-Bromofluorobenzene</i> | 19.99 | 0 | 20 | 0 | 100 | 80-110 | 0 | |
| <i>Surr: Dibromofluoromethane</i> | 19.58 | 0 | 20 | 0 | 97.9 | 85-115 | 0 | |
| <i>Surr: Toluene-d8</i> | 19.87 | 0 | 20 | 0 | 99.4 | 85-110 | 0 | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

QC BATCH REPORT

Work Order: 20100121

Project: Grafton Lime Kiln LF

MS/MSD were performed on non-project samples.

Batch ID: R300211w

Instrument ID VMS6

Method: SW8260C

| MS | | Sample ID: 20100073-03A MS | | | | Units: µg/L | | Analysis Date: 10/12/2020 09:19 PM | | |
|-----------------------------|--------|----------------------------|---------|---------------|----------------|---------------|---------------|------------------------------------|-----------|------|
| Client ID: | | Run ID: VMS6_201012B | | | SeqNo: 6785969 | | Prep Date: | | DF: 10 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | 193.7 | 15 | 200 | 0 | 96.8 | 75-130 | 0 | | | |
| 1,1,2,2-Tetrachloroethane | 195.1 | 13 | 200 | 0 | 97.6 | 75-130 | 0 | | | |
| 1,1,2-Trichloroethane | 197.7 | 15 | 200 | 0 | 98.8 | 75-125 | 0 | | | |
| 1,1-Dichloroethane | 204.4 | 15 | 200 | 0 | 102 | 68-142 | 0 | | | |
| 1,1-Dichloroethene | 193.1 | 14 | 200 | 0 | 96.6 | 70-145 | 0 | | | |
| 1,2,3-Trichlorobenzene | 176.8 | 14 | 200 | 0 | 88.4 | 70-140 | 0 | | | |
| 1,2,4-Trichlorobenzene | 179.8 | 15 | 200 | 0 | 89.9 | 70-135 | 0 | | | |
| 1,2,4-Trimethylbenzene | 214.2 | 15 | 200 | 18 | 98.1 | 75-130 | 0 | | | |
| 1,2-Dibromo-3-chloropropane | 192.4 | 14 | 200 | 0 | 96.2 | 60-130 | 0 | | | |
| 1,2-Dibromoethane | 215.6 | 14 | 200 | 0 | 108 | 67-155 | 0 | | | |
| 1,2-Dichlorobenzene | 184.2 | 11 | 200 | 0 | 92.1 | 70-130 | 0 | | | |
| 1,2-Dichloroethane | 200.1 | 14 | 200 | 0 | 100 | 78-125 | 0 | | | |
| 1,2-Dichloropropane | 195 | 16 | 200 | 0 | 97.5 | 75-125 | 0 | | | |
| 1,3,5-Trimethylbenzene | 207.4 | 22 | 200 | 9.1 | 99.2 | 75-130 | 0 | | | |
| 1,3-Dichlorobenzene | 187 | 11 | 200 | 0 | 93.5 | 75-130 | 0 | | | |
| 1,4-Dichlorobenzene | 196 | 12 | 200 | 0 | 98 | 75-130 | 0 | | | |
| 2-Butanone | 174.4 | 17 | 200 | 0 | 87.2 | 55-150 | 0 | | | |
| 2-Hexanone | 196.9 | 20 | 200 | 0 | 98.4 | 60-135 | 0 | | | |
| 4-Methyl-2-pentanone | 266.8 | 17 | 200 | 0 | 133 | 77-178 | 0 | | | |
| Acetone | 240.8 | 210 | 200 | 0 | 120 | 60-160 | 0 | | | |
| Benzene | 305.9 | 15 | 200 | 87.9 | 109 | 70-130 | 0 | | | |
| Bromochloromethane | 178.8 | 15 | 200 | 0 | 89.4 | 72-141 | 0 | | | |
| Bromodichloromethane | 197 | 16 | 200 | 0 | 98.5 | 75-125 | 0 | | | |
| Bromoform | 175.3 | 19 | 200 | 0 | 87.6 | 60-125 | 0 | | | |
| Bromomethane | 162 | 30 | 200 | 0 | 81 | 30-185 | 0 | | | |
| Carbon disulfide | 204.8 | 16 | 200 | 0 | 102 | 60-165 | 0 | | | |
| Carbon tetrachloride | 203.3 | 14 | 200 | 0 | 102 | 65-140 | 0 | | | |
| Chlorobenzene | 198.6 | 13 | 200 | 0 | 99.3 | 80-120 | 0 | | | |
| Chloroethane | 226.4 | 23 | 200 | 0 | 113 | 31-172 | 0 | | | |
| Chloroform | 196.1 | 15 | 200 | 0 | 98 | 66-135 | 0 | | | |
| Chloromethane | 189.3 | 28 | 200 | 0 | 94.6 | 46-148 | 0 | | | |
| cis-1,2-Dichloroethene | 194.8 | 14 | 200 | 0 | 97.4 | 75-134 | 0 | | | |
| cis-1,3-Dichloropropene | 196.3 | 19 | 200 | 0 | 98.2 | 70-130 | 0 | | | |
| Dibromochloromethane | 176.2 | 13 | 200 | 0 | 88.1 | 60-115 | 0 | | | |
| Dichlorodifluoromethane | 267.1 | 23 | 200 | 0 | 134 | 20-120 | 0 | | | S |
| Ethylbenzene | 1538 | 11 | 200 | 1315 | 111 | 76-123 | 0 | | | EO |
| Isopropylbenzene | 281.8 | 12 | 200 | 79.6 | 101 | 80-127 | 0 | | | |
| m,p-Xylene | 954.9 | 27 | 400 | 539.8 | 104 | 75-130 | 0 | | | |
| Methyl tert-butyl ether | 197.6 | 15 | 200 | 0 | 98.8 | 68-129 | 0 | | | |
| Methylene chloride | 187.2 | 29 | 200 | 0 | 93.6 | 72-125 | 0 | | | |
| Naphthalene | 416.4 | 26 | 200 | 159.2 | 129 | 55-160 | 0 | | | |
| o-Xylene | 222.7 | 10 | 200 | 18.2 | 102 | 76-127 | 0 | | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20100121

Project: Grafton Lime Kiln LF

QC BATCH REPORT

| | | | | | | | |
|------------------------------------|---------------------------|------------------------|------------|----------|-------------|---------------|----------|
| Batch ID: R300211w | Instrument ID VMS6 | Method: SW8260C | | | | | |
| Styrene | 199.7 | 11 | 200 | 0 | 99.8 | 79-117 | 0 |
| Tetrachloroethene | 203.6 | 13 | 200 | 0 | 102 | 68-166 | 0 |
| Tetrahydrofuran | 168.7 | 24 | 200 | 0 | 84.4 | 54-139 | 0 |
| Toluene | 256.1 | 15 | 200 | 46.4 | 105 | 76-125 | 0 |
| trans-1,2-Dichloroethene | 202.9 | 16 | 200 | 0 | 101 | 80-140 | 0 |
| trans-1,3-Dichloropropene | 172.7 | 27 | 200 | 0 | 86.4 | 56-132 | 0 |
| Trichloroethene | 209.8 | 14 | 200 | 0 | 105 | 77-125 | 0 |
| Trichlorofluoromethane | 173.1 | 17 | 200 | 0 | 86.6 | 60-140 | 0 |
| Vinyl chloride | 219.8 | 18 | 200 | 0 | 110 | 50-136 | 0 |
| Xylenes, Total | 1178 | 44 | 600 | 558 | 103 | 76-127 | 0 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>194.3</i> | <i>0</i> | <i>200</i> | <i>0</i> | <i>97.2</i> | <i>75-120</i> | <i>0</i> |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>197.6</i> | <i>0</i> | <i>200</i> | <i>0</i> | <i>98.8</i> | <i>80-110</i> | <i>0</i> |
| <i>Surr: Dibromofluoromethane</i> | <i>199.4</i> | <i>0</i> | <i>200</i> | <i>0</i> | <i>99.7</i> | <i>85-115</i> | <i>0</i> |
| <i>Surr: Toluene-d8</i> | <i>200</i> | <i>0</i> | <i>200</i> | <i>0</i> | <i>100</i> | <i>85-110</i> | <i>0</i> |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation
 Work Order: 20100121
 Project: Grafton Lime Kiln LF

QC BATCH REPORT

Batch ID: **R300211w** Instrument ID **VMS6** Method: **SW8260C**

| MSD | | Sample ID: 20100073-03A MSD | | | | Units: µg/L | | Analysis Date: 10/12/2020 09:43 PM | | |
|-----------------------------|--------|------------------------------------|---------|-----------------------|------|--------------------|---------------|---|-----------|------|
| Client ID: | | Run ID: VMS6_201012B | | SeqNo: 6785970 | | Prep Date: | | DF: 10 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | 193.4 | 15 | 200 | 0 | 96.7 | 75-130 | 193.7 | 0.155 | 30 | |
| 1,1,2,2-Tetrachloroethane | 187.3 | 13 | 200 | 0 | 93.6 | 75-130 | 195.1 | 4.08 | 30 | |
| 1,1,2-Trichloroethane | 198.7 | 15 | 200 | 0 | 99.4 | 75-125 | 197.7 | 0.505 | 30 | |
| 1,1-Dichloroethane | 209.3 | 15 | 200 | 0 | 105 | 68-142 | 204.4 | 2.37 | 30 | |
| 1,1-Dichloroethene | 190.7 | 14 | 200 | 0 | 95.4 | 70-145 | 193.1 | 1.25 | 30 | |
| 1,2,3-Trichlorobenzene | 179.6 | 14 | 200 | 0 | 89.8 | 70-140 | 176.8 | 1.57 | 30 | |
| 1,2,4-Trichlorobenzene | 177.9 | 15 | 200 | 0 | 89 | 70-135 | 179.8 | 1.06 | 30 | |
| 1,2,4-Trimethylbenzene | 207.7 | 15 | 200 | 18 | 94.8 | 75-130 | 214.2 | 3.08 | 30 | |
| 1,2-Dibromo-3-chloropropane | 182.6 | 14 | 200 | 0 | 91.3 | 60-130 | 192.4 | 5.23 | 30 | |
| 1,2-Dibromoethane | 216.9 | 14 | 200 | 0 | 108 | 67-155 | 215.6 | 0.601 | 30 | |
| 1,2-Dichlorobenzene | 178.3 | 11 | 200 | 0 | 89.2 | 70-130 | 184.2 | 3.26 | 30 | |
| 1,2-Dichloroethane | 200.9 | 14 | 200 | 0 | 100 | 78-125 | 200.1 | 0.399 | 30 | |
| 1,2-Dichloropropane | 198.8 | 16 | 200 | 0 | 99.4 | 75-125 | 195 | 1.93 | 30 | |
| 1,3,5-Trimethylbenzene | 200 | 22 | 200 | 9.1 | 95.4 | 75-130 | 207.4 | 3.63 | 30 | |
| 1,3-Dichlorobenzene | 185.3 | 11 | 200 | 0 | 92.6 | 75-130 | 187 | 0.913 | 30 | |
| 1,4-Dichlorobenzene | 189.4 | 12 | 200 | 0 | 94.7 | 75-130 | 196 | 3.43 | 30 | |
| 2-Butanone | 172.5 | 17 | 200 | 0 | 86.2 | 55-150 | 174.4 | 1.1 | 30 | |
| 2-Hexanone | 192.4 | 20 | 200 | 0 | 96.2 | 60-135 | 196.9 | 2.31 | 30 | |
| 4-Methyl-2-pentanone | 261.9 | 17 | 200 | 0 | 131 | 77-178 | 266.8 | 1.85 | 30 | |
| Acetone | 254.1 | 210 | 200 | 0 | 127 | 60-160 | 240.8 | 5.37 | 30 | |
| Benzene | 297.5 | 15 | 200 | 87.9 | 105 | 70-130 | 305.9 | 2.78 | 30 | |
| Bromochloromethane | 189 | 15 | 200 | 0 | 94.5 | 72-141 | 178.8 | 5.55 | 30 | |
| Bromodichloromethane | 193.5 | 16 | 200 | 0 | 96.8 | 75-125 | 197 | 1.79 | 30 | |
| Bromoform | 175 | 19 | 200 | 0 | 87.5 | 60-125 | 175.3 | 0.171 | 30 | |
| Bromomethane | 205.6 | 30 | 200 | 0 | 103 | 30-185 | 162 | 23.7 | 30 | |
| Carbon disulfide | 208 | 16 | 200 | 0 | 104 | 60-165 | 204.8 | 1.55 | 30 | |
| Carbon tetrachloride | 200.6 | 14 | 200 | 0 | 100 | 65-140 | 203.3 | 1.34 | 30 | |
| Chlorobenzene | 195.5 | 13 | 200 | 0 | 97.8 | 80-120 | 198.6 | 1.57 | 30 | |
| Chloroethane | 235 | 23 | 200 | 0 | 118 | 31-172 | 226.4 | 3.73 | 30 | |
| Chloroform | 201.9 | 15 | 200 | 0 | 101 | 66-135 | 196.1 | 2.91 | 30 | |
| Chloromethane | 197.8 | 28 | 200 | 0 | 98.9 | 46-148 | 189.3 | 4.39 | 30 | |
| cis-1,2-Dichloroethene | 207.1 | 14 | 200 | 0 | 104 | 75-134 | 194.8 | 6.12 | 30 | |
| cis-1,3-Dichloropropene | 195.2 | 19 | 200 | 0 | 97.6 | 70-130 | 196.3 | 0.562 | 30 | |
| Dibromochloromethane | 179.1 | 13 | 200 | 0 | 89.6 | 60-115 | 176.2 | 1.63 | 30 | |
| Dichlorodifluoromethane | 268.3 | 23 | 200 | 0 | 134 | 20-120 | 267.1 | 0.448 | 30 | S |
| Ethylbenzene | 1514 | 11 | 200 | 1315 | 99.4 | 76-123 | 1538 | 1.57 | 30 | EO |
| Isopropylbenzene | 273.2 | 12 | 200 | 79.6 | 96.8 | 80-127 | 281.8 | 3.1 | 30 | |
| m,p-Xylene | 938.3 | 27 | 400 | 539.8 | 99.6 | 75-130 | 954.9 | 1.75 | 30 | |
| Methyl tert-butyl ether | 199 | 15 | 200 | 0 | 99.5 | 68-129 | 197.6 | 0.706 | 30 | |
| Methylene chloride | 191 | 29 | 200 | 0 | 95.5 | 72-125 | 187.2 | 2.01 | 30 | |
| Naphthalene | 338.4 | 26 | 200 | 159.2 | 89.6 | 55-160 | 416.4 | 20.7 | 30 | |
| o-Xylene | 218.1 | 10 | 200 | 18.2 | 100 | 76-127 | 222.7 | 2.09 | 30 | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20100121

Project: Grafton Lime Kiln LF

QC BATCH REPORT

| Batch ID: R300211w | Instrument ID VMS6 | Method: SW8260C | | | | | | | | |
|------------------------------------|---------------------------|------------------------|------------|----------|-------------|---------------|--------------|-------------|-----------|--|
| Styrene | 194.6 | 11 | 200 | 0 | 97.3 | 79-117 | 199.7 | 2.59 | 30 | |
| Tetrachloroethene | 192.1 | 13 | 200 | 0 | 96 | 68-166 | 203.6 | 5.81 | 30 | |
| Tetrahydrofuran | 177.6 | 24 | 200 | 0 | 88.8 | 54-139 | 168.7 | 5.14 | 30 | |
| Toluene | 248.7 | 15 | 200 | 46.4 | 101 | 76-125 | 256.1 | 2.93 | 30 | |
| trans-1,2-Dichloroethene | 201.7 | 16 | 200 | 0 | 101 | 80-140 | 202.9 | 0.593 | 30 | |
| trans-1,3-Dichloropropene | 169.4 | 27 | 200 | 0 | 84.7 | 56-132 | 172.7 | 1.93 | 30 | |
| Trichloroethene | 211.1 | 14 | 200 | 0 | 106 | 77-125 | 209.8 | 0.618 | 30 | |
| Trichlorofluoromethane | 174.8 | 17 | 200 | 0 | 87.4 | 60-140 | 173.1 | 0.977 | 30 | |
| Vinyl chloride | 230 | 18 | 200 | 0 | 115 | 50-136 | 219.8 | 4.54 | 30 | |
| Xylenes, Total | 1156 | 44 | 600 | 558 | 99.7 | 76-127 | 1178 | 1.82 | 30 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>189.3</i> | <i>0</i> | <i>200</i> | <i>0</i> | <i>94.6</i> | <i>75-120</i> | <i>194.3</i> | <i>2.61</i> | <i>30</i> | |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>199.7</i> | <i>0</i> | <i>200</i> | <i>0</i> | <i>99.8</i> | <i>80-110</i> | <i>197.6</i> | <i>1.06</i> | <i>30</i> | |
| <i>Surr: Dibromofluoromethane</i> | <i>196.1</i> | <i>0</i> | <i>200</i> | <i>0</i> | <i>98</i> | <i>85-115</i> | <i>199.4</i> | <i>1.67</i> | <i>30</i> | |
| <i>Surr: Toluene-d8</i> | <i>195.4</i> | <i>0</i> | <i>200</i> | <i>0</i> | <i>97.7</i> | <i>85-110</i> | <i>200</i> | <i>2.33</i> | <i>30</i> | |

The following samples were analyzed in this batch:

| | |
|--------------|--------------|
| 20100121-01A | 20100121-02A |
|--------------|--------------|

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Cincinnati, OH
+1 513 733 5336

Fort Collins, CO
+1 970 490 1511

Everett, WA
+1 425 356 2600

Holland, MI
+1 616 399 6070

Chain of Custody Form

Page 1 of 1

COC ID: 222797

Houston, TX
+1 281 530 5656

Spring City, PA
+1 610 948 4903

South Charleston, WV
+1 304 356 3168

Middletown, PA
+1 717 944 5541

Salt Lake City, UT
+1 801 266 7700

York, PA
+1 717 505 5280

ALS Project Manager: _____ ALS Work Order #: 20100121

| Customer Information | | Project Information | | Parameter/Method Request for Analysis | | | | | | | | | | | | |
|----------------------|-------------------------------|---------------------|----------------------------|---------------------------------------|------|--|--|--|--|--|--|--|--|--|--|--|
| Purchase Order | | Project Name | Grafton Lime Kiln Landfill | A | VOCs | | | | | | | | | | | |
| Work Order | | Project Number | 383236 Phase 4 Task 3 | B | | | | | | | | | | | | |
| Company Name | TRC Environmental Corporation | Bill To Company | TRC Companies Inc | C | | | | | | | | | | | | |
| Send Report To | Marita Stollenwerk | Invoice Attn | Accounts Payable | D | | | | | | | | | | | | |
| Address | 150 N. Patrick Boulevard | Address | 21 Griffin Road North | E | | | | | | | | | | | | |
| | Suite 180 | | | | F | | | | | | | | | | | |
| City/State/Zip | Brookfield, WI 53045 | City/State/Zip | Windsor, CT 06095 | G | | | | | | | | | | | | |
| Phone | (262) 373-1212 | Phone | (860) 293-9692 | H | | | | | | | | | | | | |
| Fax | | Fax | (860) 293-6399 | I | | | | | | | | | | | | |
| e-Mail Address | asobbe@trc.com | e-Mail Address | | J | | | | | | | | | | | | |

| No. | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|-----|--------------------|---------|------|--------|-------|-----------|---|---|---|---|---|---|---|---|---|---|------|
| 1 | SP-02 | 9-29-20 | 1415 | GW | HCL | 3 | X | | | | | | | | | | |
| 2 | Trip Blank | 9-29-20 | - | W | HCL | 2 | X | | | | | | | | | | |
| 3 | _____ | | | | | | | | | | | | | | | | |
| 4 | _____ | | | | | | | | | | | | | | | | |
| 5 | _____ | | | | | | | | | | | | | | | | |
| 6 | _____ | | | | | | | | | | | | | | | | |
| 7 | _____ | | | | | | | | | | | | | | | | |
| 8 | _____ | | | | | | | | | | | | | | | | |
| 9 | _____ | | | | | | | | | | | | | | | | |
| 10 | _____ | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | |
|--|------------------|--------------------------|---------------------------|---|-----------|--------------|--|---|--|--|--|
| Sampler(s) Please Print & Sign <i>Aaron Sobbe</i> | | Shipment Method FedEx | | Required Turnaround Time: (Check Box) <input checked="" type="checkbox"/> Std 10 WK Days <input type="checkbox"/> 5 WK Days <input type="checkbox"/> Other <input type="checkbox"/> 2 WK Days <input type="checkbox"/> 24 Hour | | | | Results Due Date: | | | |
| Relinquished by: <i>AS</i> | Date: 9-30-20 | Time: 1630 | Received by: | | Notes: | | | | | | |
| Relinquished by: Fedex | Date: 10-1-20 | Time: 11:00 | Received by (Laboratory): | | Cooler ID | Cooler Temp. | QC Package: (Check One Box Below) | | | | |
| Logged by (Laboratory): MOB | Date: 10-1-20 | Time: 15:23 | Checked by (Laboratory): | | | 2.4°C | <input type="checkbox"/> Level II Std QC | <input type="checkbox"/> TRRP CheckList | | | |
| Preservative Key: 1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-Na ₂ S ₂ O ₃ 6-NaHSO ₄ 7-Other 8-4°C 9-5035 | | | | | | 2.21 | <input type="checkbox"/> Level III Std QC/Raw Data | <input type="checkbox"/> TRRP Level IV | | | |
| | | | | | | D#22 | <input type="checkbox"/> Level IV SW846/CLP | | | | |
| | | | | | | | <input type="checkbox"/> Other | | | | |

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

ORIGIN ID:RRLA (262) 901-2162
AARON SOBBE
TRC
150 N PATRICK BLVD, SUITE 180
BROOKFIELD, WI 53045
UNITED STATES US

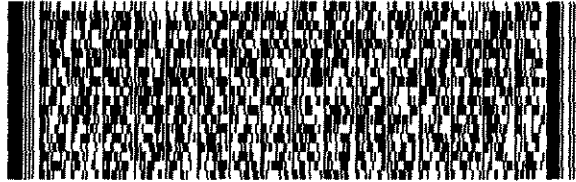
SHIP D
ACTW
CAD:
BILL SENDER

10:01
4810
B
10:30
3
828
FZ

TO **SAMPLE RECEIVING**
ALS GROUP, USA
3352 128TH AVE

HOLLAND MI 49424

(616) 399-6070 X 262366 REF: 393236 0000 0000 000004 000003
INV PO DEPT:

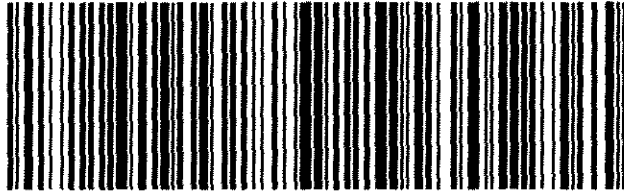


THU - 01 OCT 10:30A
PRIORITY OVERNIGHT

TRK# 7716 7387 4810
0201

NA HLMA

49424
MI-US GRR



Custody Seal

<http://www.aisglobal.com>

ALS Environmental
3352 128th Avenue
Holland, Michigan 49424-9263
Phone: 616-399-6070
Attn: Sample Receiving

Company: TRL
Name: A. Sobbe
Date: 9-30-70

Sample Receipt Checklist

Client Name: **TRC - BROOKFIELD**

Date/Time Received: **01-Oct-20 11:00**

Work Order: **20100121**

Received by: **MJG**

Checklist completed by Matthew Gaylord 01-Oct-20
eSignature Date

Reviewed by: Chad Whelton 02-Oct-20
eSignature Date

Matrices: Water

Carrier name: FedEx

Shipping container/cooler in good condition? Yes No Not Present

Custody seals intact on shipping container/cooler? Yes No Not Present

Custody seals intact on sample bottles? Yes No Not Present

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No

Samples in proper container/bottle? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test? Yes No

All samples received within holding time? Yes No

Container/Temp Blank temperature in compliance? Yes No

Sample(s) received on ice? Yes No

Temperature(s)/Thermometer(s): 2.4/2.4C IR1

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage: 10/1/2020 3:24:16 PM

Water - VOA vials have zero headspace? Yes No No VOA vials submitted

Water - pH acceptable upon receipt? Yes No N/A

pH adjusted? Yes No N/A

pH adjusted by:

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:



10-Dec-2020

Marita Stollenwerk
TRC Environmental Corporation
150 N. Patrick Boulevard
Suite 180
Brookfield, WI 53045

Data assessment (ALS Environmental, Holland, MI/Work Order: 20120231):

All holding times, field and laboratory qc, and blanks met criteria, except as specified below.

- The MS recovery was above the upper control limit for Bromomethane. Detected values may have a high bias and are qualified "J+"
P Popp, 1/21/2021

Re: **Grafton Lime Kiln Landfill**

Work Order: **20120231**

Dear Marita,

ALS Environmental received 9 samples on 03-Dec-2020 10:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 34.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

A handwritten signature in black ink, appearing to read "Chad Whelton".

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

Report of Laboratory Analysis

Certificate No: MN 026-999-449

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Environmental 

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Client: TRC Environmental Corporation
Project: Grafton Lime Kiln Landfill
Work Order: 20120231

Work Order Sample Summary

| <u>Lab Samp ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Tag Number</u> | <u>Collection Date</u> | <u>Date Received</u> | <u>Hold</u> |
|--------------------|-------------------------|---------------|-------------------|------------------------|----------------------|--------------------------|
| 20120231-01 | P8B | Groundwater | | 12/1/2020 13:30 | 12/3/2020 10:00 | <input type="checkbox"/> |
| 20120231-02 | MW8A | Groundwater | | 12/1/2020 11:55 | 12/3/2020 10:00 | <input type="checkbox"/> |
| 20120231-03 | PW1716LR | Groundwater | | 12/1/2020 10:45 | 12/3/2020 10:00 | <input type="checkbox"/> |
| 20120231-04 | P7B | Groundwater | | 12/1/2020 10:00 | 12/3/2020 10:00 | <input type="checkbox"/> |
| 20120231-05 | P2B | Groundwater | | 12/1/2020 08:40 | 12/3/2020 10:00 | <input type="checkbox"/> |
| 20120231-06 | MW2A | Groundwater | | 12/2/2020 09:55 | 12/3/2020 10:00 | <input type="checkbox"/> |
| 20120231-07 | P10B | Groundwater | | 12/2/2020 08:40 | 12/3/2020 10:00 | <input type="checkbox"/> |
| 20120231-08 | DUP-1 | Groundwater | | 12/1/2020 | 12/3/2020 10:00 | <input type="checkbox"/> |
| 20120231-09 | Trip Blank | Water | | 12/1/2020 | 12/3/2020 10:00 | <input type="checkbox"/> |

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln Landfill
Work Order: 20120231

Case Narrative

Samples for the above noted Work Order were received on 12/03/2020. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, sample condition, preservation, and temperature compliance.

In order to ensure compliance with NR 149 criteria, please note the following report format:

- (1) The Limit of Detection (LOD) is reported as the MDL (Method Detection Limit)
- (2) The Limit of Quantitation (LOQ) is reported as the PQL (Practical Quantitation Limit)
- (3) All reported concentrations, including those for the LOD and LOQ, are adjusted for any required dilutions
- (4) All reported concentrations, including those for the LOD and LOQ, are adjusted for moisture content when samples are reported on a dry weight basis.

Samples were analyzed according to the analytical methodology previously documented in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Detail as to the associated samples can be found at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, acronyms, and units utilized in reporting.

With the following exceptions, all sample analyses achieved analytical criteria.

Volatile Organics

Batch R305316, Method SW8260C, Sample 20120231-02A MS: The MS recovery was above the upper control limit for Bromomethane. The corresponding result in the parent sample was non-detect, therefore no qualification is required.

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln Landfill
WorkOrder: 20120231

**QUALIFIERS,
ACRONYMS, UNITS**

| <u>Qualifier</u> | <u>Description</u> |
|------------------|---|
| * | Value exceeds Regulatory Limit |
| ** | Estimated Value |
| a | Analyte is non-accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| Hr | BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated. |
| J | Analyte is present at an estimated concentration between the MDL and Report Limit |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL |
| X | Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. |

| <u>Acronym</u> | <u>Description</u> |
|----------------|-------------------------------------|
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| LOD | Limit of Detection (see MDL) |
| LOQ | Limit of Quantitation (see PQL) |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| TDL | Target Detection Limit |
| TNTC | Too Numerous To Count |
| A | APHA Standard Methods |
| D | ASTM |
| E | EPA |
| SW | SW-846 Update III |

| <u>Units Reported</u> | <u>Description</u> |
|-----------------------|----------------------|
| µg/L | Micrograms per Liter |

ALS Group, USA

Date: 10-Dec-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln Landfill
Sample ID: P8B
Collection Date: 12/1/2020 01:30 PM

Work Order: 20120231
Lab ID: 20120231-01
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|-------|-----------------|-----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: JNS | |
| 1,1,1-Trichloroethane | 0.92 | J | 0.46 | 1.5 | µg/L | 1 | 12/8/2020 23:04 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 12/8/2020 23:04 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 12/8/2020 23:04 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 12/8/2020 23:04 |
| 1,1-Dichloroethane | 5.1 | | 0.44 | 1.5 | µg/L | 1 | 12/8/2020 23:04 |
| 1,1-Dichloroethene | 1.0 | J | 0.40 | 1.4 | µg/L | 1 | 12/8/2020 23:04 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 12/8/2020 23:04 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 12/8/2020 23:04 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 12/8/2020 23:04 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 12/8/2020 23:04 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 12/8/2020 23:04 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 12/8/2020 23:04 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 12/8/2020 23:04 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 12/8/2020 23:04 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 12/8/2020 23:04 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 12/8/2020 23:04 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 12/8/2020 23:04 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 12/8/2020 23:04 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 12/8/2020 23:04 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 12/8/2020 23:04 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 12/8/2020 23:04 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 12/8/2020 23:04 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 12/8/2020 23:04 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 12/8/2020 23:04 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 12/8/2020 23:04 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 12/8/2020 23:04 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 12/8/2020 23:04 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 12/8/2020 23:04 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 12/8/2020 23:04 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 12/8/2020 23:04 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 12/8/2020 23:04 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 12/8/2020 23:04 |
| cis-1,2-Dichloroethene | 39 | | 0.42 | 1.4 | µg/L | 1 | 12/8/2020 23:04 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 12/8/2020 23:04 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 12/8/2020 23:04 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 12/8/2020 23:04 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 12/8/2020 23:04 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 12/8/2020 23:04 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Dec-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln Landfill
Sample ID: P8B
Collection Date: 12/1/2020 01:30 PM

Work Order: 20120231
Lab ID: 20120231-01
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|------------|------|-------------|--------------|-------------|-----------------|-----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 12/8/2020 23:04 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 12/8/2020 23:04 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 12/8/2020 23:04 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 12/8/2020 23:04 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 12/8/2020 23:04 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 12/8/2020 23:04 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 12/8/2020 23:04 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 12/8/2020 23:04 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 12/8/2020 23:04 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 12/8/2020 23:04 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 12/8/2020 23:04 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 12/8/2020 23:04 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 12/8/2020 23:04 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 12/8/2020 23:04 |
| Trichloroethene | 98 | | 0.43 | 1.4 | µg/L | 1 | 12/8/2020 23:04 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 12/8/2020 23:04 |
| Vinyl chloride | 3.4 | | 0.53 | 1.8 | µg/L | 1 | 12/8/2020 23:04 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 12/8/2020 23:04 |
| Surr: 1,2-Dichloroethane-d4 | 107 | | | 75-120 | %REC | 1 | 12/8/2020 23:04 |
| Surr: 4-Bromofluorobenzene | 105 | | | 80-110 | %REC | 1 | 12/8/2020 23:04 |
| Surr: Dibromofluoromethane | 105 | | | 85-115 | %REC | 1 | 12/8/2020 23:04 |
| Surr: Toluene-d8 | 104 | | | 85-110 | %REC | 1 | 12/8/2020 23:04 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Dec-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln Landfill
Sample ID: MW8A
Collection Date: 12/1/2020 11:55 AM

Work Order: 20120231
Lab ID: 20120231-02
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|-------|-----------------|-----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | | Analyst: JNS |
| 1,1,1-Trichloroethane | 0.68 | J | 0.46 | 1.5 | µg/L | 1 | 12/8/2020 23:20 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 12/8/2020 23:20 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 12/8/2020 23:20 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 12/8/2020 23:20 |
| 1,1-Dichloroethane | 7.9 | | 0.44 | 1.5 | µg/L | 1 | 12/8/2020 23:20 |
| 1,1-Dichloroethene | 0.56 | J | 0.40 | 1.4 | µg/L | 1 | 12/8/2020 23:20 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 12/8/2020 23:20 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 12/8/2020 23:20 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 12/8/2020 23:20 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 12/8/2020 23:20 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 12/8/2020 23:20 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 12/8/2020 23:20 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 12/8/2020 23:20 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 12/8/2020 23:20 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 12/8/2020 23:20 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 12/8/2020 23:20 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 12/8/2020 23:20 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 12/8/2020 23:20 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 12/8/2020 23:20 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 12/8/2020 23:20 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 12/8/2020 23:20 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 12/8/2020 23:20 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 12/8/2020 23:20 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 12/8/2020 23:20 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 12/8/2020 23:20 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 12/8/2020 23:20 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 12/8/2020 23:20 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 12/8/2020 23:20 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 12/8/2020 23:20 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 12/8/2020 23:20 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 12/8/2020 23:20 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 12/8/2020 23:20 |
| cis-1,2-Dichloroethene | 60 | | 0.42 | 1.4 | µg/L | 1 | 12/8/2020 23:20 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 12/8/2020 23:20 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 12/8/2020 23:20 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 12/8/2020 23:20 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 12/8/2020 23:20 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 12/8/2020 23:20 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Dec-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln Landfill
Sample ID: MW8A
Collection Date: 12/1/2020 11:55 AM

Work Order: 20120231
Lab ID: 20120231-02
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|---------------------------------|-------------|------|-------------|--------------|-------------|-----------------|-----------------|
| Isopropylbenzene | | U | 0.35 | 1.2 | µg/L | 1 | 12/8/2020 23:20 |
| m,p-Xylene | | U | 0.81 | 2.7 | µg/L | 1 | 12/8/2020 23:20 |
| Methyl acetate | | U | 0.59 | 2.0 | µg/L | 1 | 12/8/2020 23:20 |
| Methyl tert-butyl ether | | U | 0.45 | 1.5 | µg/L | 1 | 12/8/2020 23:20 |
| Methylcyclohexane | | U | 0.35 | 1.2 | µg/L | 1 | 12/8/2020 23:20 |
| Methylene chloride | | U | 0.86 | 2.9 | µg/L | 1 | 12/8/2020 23:20 |
| Naphthalene | | U | 0.77 | 2.6 | µg/L | 1 | 12/8/2020 23:20 |
| o-Xylene | | U | 0.31 | 1.0 | µg/L | 1 | 12/8/2020 23:20 |
| Styrene | | U | 0.33 | 1.1 | µg/L | 1 | 12/8/2020 23:20 |
| Tetrachloroethene | | U | 0.39 | 1.3 | µg/L | 1 | 12/8/2020 23:20 |
| Tetrahydrofuran | | U | 0.73 | 2.4 | µg/L | 1 | 12/8/2020 23:20 |
| Toluene | | U | 0.45 | 1.5 | µg/L | 1 | 12/8/2020 23:20 |
| trans-1,2-Dichloroethene | 0.81 | J | 0.48 | 1.6 | µg/L | 1 | 12/8/2020 23:20 |
| trans-1,3-Dichloropropene | | U | 0.38 | 2.7 | µg/L | 1 | 12/8/2020 23:20 |
| Trichloroethene | 12 | | 0.43 | 1.4 | µg/L | 1 | 12/8/2020 23:20 |
| Trichlorofluoromethane | | U | 0.52 | 1.7 | µg/L | 1 | 12/8/2020 23:20 |
| Vinyl chloride | 6.3 | | 0.53 | 1.8 | µg/L | 1 | 12/8/2020 23:20 |
| Xylenes, Total | | U | 0.81 | 4.4 | µg/L | 1 | 12/8/2020 23:20 |
| Surr: 1,2-Dichloroethane-d4 | 108 | | | 75-120 | %REC | 1 | 12/8/2020 23:20 |
| Surr: 4-Bromofluorobenzene | 102 | | | 80-110 | %REC | 1 | 12/8/2020 23:20 |
| Surr: Dibromofluoromethane | 108 | | | 85-115 | %REC | 1 | 12/8/2020 23:20 |
| Surr: Toluene-d8 | 104 | | | 85-110 | %REC | 1 | 12/8/2020 23:20 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Dec-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln Landfill
Sample ID: PW1716LR
Collection Date: 12/1/2020 10:45 AM

Work Order: 20120231
Lab ID: 20120231-03
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|-------|-----------------|-----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: JNS | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 12/8/2020 23:37 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 12/8/2020 23:37 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 12/8/2020 23:37 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 12/8/2020 23:37 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 12/8/2020 23:37 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 12/8/2020 23:37 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 12/8/2020 23:37 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 12/8/2020 23:37 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 12/8/2020 23:37 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 12/8/2020 23:37 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 12/8/2020 23:37 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 12/8/2020 23:37 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 12/8/2020 23:37 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 12/8/2020 23:37 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 12/8/2020 23:37 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 12/8/2020 23:37 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 12/8/2020 23:37 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 12/8/2020 23:37 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 12/8/2020 23:37 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 12/8/2020 23:37 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 12/8/2020 23:37 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 12/8/2020 23:37 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 12/8/2020 23:37 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 12/8/2020 23:37 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 12/8/2020 23:37 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 12/8/2020 23:37 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 12/8/2020 23:37 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 12/8/2020 23:37 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 12/8/2020 23:37 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 12/8/2020 23:37 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 12/8/2020 23:37 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 12/8/2020 23:37 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 12/8/2020 23:37 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 12/8/2020 23:37 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 12/8/2020 23:37 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 12/8/2020 23:37 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 12/8/2020 23:37 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 12/8/2020 23:37 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Dec-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln Landfill
Sample ID: PW1716LR
Collection Date: 12/1/2020 10:45 AM

Work Order: 20120231
Lab ID: 20120231-03
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|--------|------|------|--------------|-------|-----------------|-----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 12/8/2020 23:37 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 12/8/2020 23:37 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 12/8/2020 23:37 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 12/8/2020 23:37 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 12/8/2020 23:37 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 12/8/2020 23:37 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 12/8/2020 23:37 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 12/8/2020 23:37 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 12/8/2020 23:37 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 12/8/2020 23:37 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 12/8/2020 23:37 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 12/8/2020 23:37 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 12/8/2020 23:37 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 12/8/2020 23:37 |
| Trichloroethene | U | | 0.43 | 1.4 | µg/L | 1 | 12/8/2020 23:37 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 12/8/2020 23:37 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 12/8/2020 23:37 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 12/8/2020 23:37 |
| Surr: 1,2-Dichloroethane-d4 | 104 | | | 75-120 | %REC | 1 | 12/8/2020 23:37 |
| Surr: 4-Bromofluorobenzene | 97.7 | | | 80-110 | %REC | 1 | 12/8/2020 23:37 |
| Surr: Dibromofluoromethane | 107 | | | 85-115 | %REC | 1 | 12/8/2020 23:37 |
| Surr: Toluene-d8 | 103 | | | 85-110 | %REC | 1 | 12/8/2020 23:37 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Dec-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln Landfill
Sample ID: P7B
Collection Date: 12/1/2020 10:00 AM

Work Order: 20120231
Lab ID: 20120231-04
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|-------|-----------------|-----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: JNS | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 12/8/2020 23:53 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 12/8/2020 23:53 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 12/8/2020 23:53 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 12/8/2020 23:53 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 12/8/2020 23:53 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 12/8/2020 23:53 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 12/8/2020 23:53 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 12/8/2020 23:53 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 12/8/2020 23:53 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 12/8/2020 23:53 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 12/8/2020 23:53 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 12/8/2020 23:53 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 12/8/2020 23:53 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 12/8/2020 23:53 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 12/8/2020 23:53 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 12/8/2020 23:53 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 12/8/2020 23:53 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 12/8/2020 23:53 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 12/8/2020 23:53 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 12/8/2020 23:53 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 12/8/2020 23:53 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 12/8/2020 23:53 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 12/8/2020 23:53 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 12/8/2020 23:53 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 12/8/2020 23:53 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 12/8/2020 23:53 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 12/8/2020 23:53 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 12/8/2020 23:53 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 12/8/2020 23:53 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 12/8/2020 23:53 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 12/8/2020 23:53 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 12/8/2020 23:53 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 12/8/2020 23:53 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 12/8/2020 23:53 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 12/8/2020 23:53 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 12/8/2020 23:53 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 12/8/2020 23:53 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 12/8/2020 23:53 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Dec-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln Landfill
Sample ID: P7B
Collection Date: 12/1/2020 10:00 AM

Work Order: 20120231
Lab ID: 20120231-04
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|--------|------|------|--------------|-------|-----------------|-----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 12/8/2020 23:53 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 12/8/2020 23:53 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 12/8/2020 23:53 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 12/8/2020 23:53 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 12/8/2020 23:53 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 12/8/2020 23:53 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 12/8/2020 23:53 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 12/8/2020 23:53 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 12/8/2020 23:53 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 12/8/2020 23:53 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 12/8/2020 23:53 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 12/8/2020 23:53 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 12/8/2020 23:53 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 12/8/2020 23:53 |
| Trichloroethene | U | | 0.43 | 1.4 | µg/L | 1 | 12/8/2020 23:53 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 12/8/2020 23:53 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 12/8/2020 23:53 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 12/8/2020 23:53 |
| Surr: 1,2-Dichloroethane-d4 | 106 | | | 75-120 | %REC | 1 | 12/8/2020 23:53 |
| Surr: 4-Bromofluorobenzene | 103 | | | 80-110 | %REC | 1 | 12/8/2020 23:53 |
| Surr: Dibromofluoromethane | 108 | | | 85-115 | %REC | 1 | 12/8/2020 23:53 |
| Surr: Toluene-d8 | 104 | | | 85-110 | %REC | 1 | 12/8/2020 23:53 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Dec-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln Landfill
Sample ID: P2B
Collection Date: 12/1/2020 08:40 AM

Work Order: 20120231
Lab ID: 20120231-05
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|------------|------|-----------------|--------------|-------------|-----------------|-----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: JNS | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 12/9/2020 00:09 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 12/9/2020 00:09 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 12/9/2020 00:09 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 12/9/2020 00:09 |
| 1,1-Dichloroethane | 6.0 | | 0.44 | 1.5 | µg/L | 1 | 12/9/2020 00:09 |
| 1,1-Dichloroethene | 1.2 | J | 0.40 | 1.4 | µg/L | 1 | 12/9/2020 00:09 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 12/9/2020 00:09 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 12/9/2020 00:09 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 12/9/2020 00:09 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 12/9/2020 00:09 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 12/9/2020 00:09 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 12/9/2020 00:09 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 12/9/2020 00:09 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 12/9/2020 00:09 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 12/9/2020 00:09 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 12/9/2020 00:09 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 12/9/2020 00:09 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 12/9/2020 00:09 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 12/9/2020 00:09 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 12/9/2020 00:09 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 12/9/2020 00:09 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 12/9/2020 00:09 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 12/9/2020 00:09 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 12/9/2020 00:09 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 12/9/2020 00:09 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 12/9/2020 00:09 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 12/9/2020 00:09 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 12/9/2020 00:09 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 12/9/2020 00:09 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 12/9/2020 00:09 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 12/9/2020 00:09 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 12/9/2020 00:09 |
| cis-1,2-Dichloroethene | 240 | | 2.1 | 6.9 | µg/L | 5 | 12/9/2020 15:47 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 12/9/2020 00:09 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 12/9/2020 00:09 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 12/9/2020 00:09 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 12/9/2020 00:09 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 12/9/2020 00:09 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Dec-20

Client: TRC Environmental Corporation
 Project: Grafton Lime Kiln Landfill
 Sample ID: P2B
 Collection Date: 12/1/2020 08:40 AM

Work Order: 20120231
 Lab ID: 20120231-05
 Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|---------------------------------|------------|------|-------------|--------------|-------------|-----------------|-----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 12/9/2020 00:09 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 12/9/2020 00:09 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 12/9/2020 00:09 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 12/9/2020 00:09 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 12/9/2020 00:09 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 12/9/2020 00:09 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 12/9/2020 00:09 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 12/9/2020 00:09 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 12/9/2020 00:09 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 12/9/2020 00:09 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 12/9/2020 00:09 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 12/9/2020 00:09 |
| trans-1,2-Dichloroethene | 4.4 | | 0.48 | 1.6 | µg/L | 1 | 12/9/2020 00:09 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 12/9/2020 00:09 |
| Trichloroethene | 98 | | 0.43 | 1.4 | µg/L | 1 | 12/9/2020 00:09 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 12/9/2020 00:09 |
| Vinyl chloride | 120 | | 2.6 | 8.8 | µg/L | 5 | 12/9/2020 15:47 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 12/9/2020 00:09 |
| Surr: 1,2-Dichloroethane-d4 | 107 | | | 75-120 | %REC | 1 | 12/9/2020 00:09 |
| Surr: 1,2-Dichloroethane-d4 | 109 | | | 75-120 | %REC | 5 | 12/9/2020 15:47 |
| Surr: 4-Bromofluorobenzene | 103 | | | 80-110 | %REC | 1 | 12/9/2020 00:09 |
| Surr: 4-Bromofluorobenzene | 103 | | | 80-110 | %REC | 5 | 12/9/2020 15:47 |
| Surr: Dibromofluoromethane | 108 | | | 85-115 | %REC | 1 | 12/9/2020 00:09 |
| Surr: Dibromofluoromethane | 105 | | | 85-115 | %REC | 5 | 12/9/2020 15:47 |
| Surr: Toluene-d8 | 101 | | | 85-110 | %REC | 1 | 12/9/2020 00:09 |
| Surr: Toluene-d8 | 104 | | | 85-110 | %REC | 5 | 12/9/2020 15:47 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Dec-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln Landfill
Sample ID: MW2A
Collection Date: 12/2/2020 09:55 AM

Work Order: 20120231
Lab ID: 20120231-06
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|------------|----------|-----------------|--------------|-------------|-----------------|-----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: JNS | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 12/9/2020 00:26 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 12/9/2020 00:26 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 12/9/2020 00:26 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 12/9/2020 00:26 |
| 1,1-Dichloroethane | 12 | | 0.44 | 1.5 | µg/L | 1 | 12/9/2020 00:26 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 12/9/2020 00:26 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 12/9/2020 00:26 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 12/9/2020 00:26 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 12/9/2020 00:26 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 12/9/2020 00:26 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 12/9/2020 00:26 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 12/9/2020 00:26 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 12/9/2020 00:26 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 12/9/2020 00:26 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 12/9/2020 00:26 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 12/9/2020 00:26 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 12/9/2020 00:26 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 12/9/2020 00:26 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 12/9/2020 00:26 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 12/9/2020 00:26 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 12/9/2020 00:26 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 12/9/2020 00:26 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 12/9/2020 00:26 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 12/9/2020 00:26 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 12/9/2020 00:26 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 12/9/2020 00:26 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 12/9/2020 00:26 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 12/9/2020 00:26 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 12/9/2020 00:26 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 12/9/2020 00:26 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 12/9/2020 00:26 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 12/9/2020 00:26 |
| cis-1,2-Dichloroethene | 1.1 | J | 0.42 | 1.4 | µg/L | 1 | 12/9/2020 16:04 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 12/9/2020 00:26 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 12/9/2020 00:26 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 12/9/2020 00:26 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 12/9/2020 00:26 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 12/9/2020 00:26 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Dec-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln Landfill
Sample ID: MW2A
Collection Date: 12/2/2020 09:55 AM

Work Order: 20120231
Lab ID: 20120231-06
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|------------|------|-------------|--------------|-------------|-----------------|-----------------|
| Isopropylbenzene | | U | 0.35 | 1.2 | µg/L | 1 | 12/9/2020 00:26 |
| m,p-Xylene | | U | 0.81 | 2.7 | µg/L | 1 | 12/9/2020 00:26 |
| Methyl acetate | | U | 0.59 | 2.0 | µg/L | 1 | 12/9/2020 00:26 |
| Methyl tert-butyl ether | | U | 0.45 | 1.5 | µg/L | 1 | 12/9/2020 00:26 |
| Methylcyclohexane | | U | 0.35 | 1.2 | µg/L | 1 | 12/9/2020 00:26 |
| Methylene chloride | | U | 0.86 | 2.9 | µg/L | 1 | 12/9/2020 00:26 |
| Naphthalene | | U | 0.77 | 2.6 | µg/L | 1 | 12/9/2020 00:26 |
| o-Xylene | | U | 0.31 | 1.0 | µg/L | 1 | 12/9/2020 00:26 |
| Styrene | | U | 0.33 | 1.1 | µg/L | 1 | 12/9/2020 00:26 |
| Tetrachloroethene | | U | 0.39 | 1.3 | µg/L | 1 | 12/9/2020 00:26 |
| Tetrahydrofuran | | U | 0.73 | 2.4 | µg/L | 1 | 12/9/2020 00:26 |
| Toluene | | U | 0.45 | 1.5 | µg/L | 1 | 12/9/2020 00:26 |
| trans-1,2-Dichloroethene | | U | 0.48 | 1.6 | µg/L | 1 | 12/9/2020 00:26 |
| trans-1,3-Dichloropropene | | U | 0.38 | 2.7 | µg/L | 1 | 12/9/2020 00:26 |
| Trichloroethene | 2.7 | | 0.43 | 1.4 | µg/L | 1 | 12/9/2020 16:04 |
| Trichlorofluoromethane | | U | 0.52 | 1.7 | µg/L | 1 | 12/9/2020 00:26 |
| Vinyl chloride | 4.4 | | 0.53 | 1.8 | µg/L | 1 | 12/9/2020 00:26 |
| Xylenes, Total | | U | 0.81 | 4.4 | µg/L | 1 | 12/9/2020 00:26 |
| Surr: 1,2-Dichloroethane-d4 | 108 | | | 75-120 | %REC | 1 | 12/9/2020 00:26 |
| Surr: 1,2-Dichloroethane-d4 | 108 | | | 75-120 | %REC | 1 | 12/9/2020 16:04 |
| Surr: 4-Bromofluorobenzene | 103 | | | 80-110 | %REC | 1 | 12/9/2020 00:26 |
| Surr: 4-Bromofluorobenzene | 102 | | | 80-110 | %REC | 1 | 12/9/2020 16:04 |
| Surr: Dibromofluoromethane | 106 | | | 85-115 | %REC | 1 | 12/9/2020 00:26 |
| Surr: Dibromofluoromethane | 108 | | | 85-115 | %REC | 1 | 12/9/2020 16:04 |
| Surr: Toluene-d8 | 104 | | | 85-110 | %REC | 1 | 12/9/2020 00:26 |
| Surr: Toluene-d8 | 103 | | | 85-110 | %REC | 1 | 12/9/2020 16:04 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Dec-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln Landfill
Sample ID: P10B
Collection Date: 12/2/2020 08:40 AM

Work Order: 20120231
Lab ID: 20120231-07
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|---------------------------------------|-----------|------|------------------------|--------------|-------------|-----------------|---------------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | | Analyst: JNS |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 12/9/2020 00:42 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 12/9/2020 00:42 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 12/9/2020 00:42 |
| 1,1,2-Trichlorotrifluoroethane | 32 | | 0.52 | 1.7 | µg/L | 1 | 12/9/2020 00:42 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 12/9/2020 00:42 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 12/9/2020 00:42 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 12/9/2020 00:42 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 12/9/2020 00:42 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 12/9/2020 00:42 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 12/9/2020 00:42 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 12/9/2020 00:42 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 12/9/2020 00:42 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 12/9/2020 00:42 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 12/9/2020 00:42 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 12/9/2020 00:42 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 12/9/2020 00:42 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 12/9/2020 00:42 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 12/9/2020 00:42 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 12/9/2020 00:42 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 12/9/2020 00:42 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 12/9/2020 00:42 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 12/9/2020 00:42 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 12/9/2020 00:42 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 12/9/2020 00:42 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 12/9/2020 00:42 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 12/9/2020 00:42 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 12/9/2020 00:42 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 12/9/2020 00:42 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 12/9/2020 00:42 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 12/9/2020 00:42 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 12/9/2020 00:42 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 12/9/2020 00:42 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 12/9/2020 00:42 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 12/9/2020 00:42 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 12/9/2020 00:42 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 12/9/2020 00:42 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 12/9/2020 00:42 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 12/9/2020 00:42 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Dec-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln Landfill
Sample ID: P10B
Collection Date: 12/2/2020 08:40 AM

Work Order: 20120231
Lab ID: 20120231-07
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|------------|------|-------------|--------------|-------------|-----------------|-----------------|
| Isopropylbenzene | | U | 0.35 | 1.2 | µg/L | 1 | 12/9/2020 00:42 |
| m,p-Xylene | | U | 0.81 | 2.7 | µg/L | 1 | 12/9/2020 00:42 |
| Methyl acetate | | U | 0.59 | 2.0 | µg/L | 1 | 12/9/2020 00:42 |
| Methyl tert-butyl ether | | U | 0.45 | 1.5 | µg/L | 1 | 12/9/2020 00:42 |
| Methylcyclohexane | | U | 0.35 | 1.2 | µg/L | 1 | 12/9/2020 00:42 |
| Methylene chloride | | U | 0.86 | 2.9 | µg/L | 1 | 12/9/2020 00:42 |
| Naphthalene | | U | 0.77 | 2.6 | µg/L | 1 | 12/9/2020 00:42 |
| o-Xylene | | U | 0.31 | 1.0 | µg/L | 1 | 12/9/2020 00:42 |
| Styrene | | U | 0.33 | 1.1 | µg/L | 1 | 12/9/2020 00:42 |
| Tetrachloroethene | | U | 0.39 | 1.3 | µg/L | 1 | 12/9/2020 00:42 |
| Tetrahydrofuran | | U | 0.73 | 2.4 | µg/L | 1 | 12/9/2020 00:42 |
| Toluene | | U | 0.45 | 1.5 | µg/L | 1 | 12/9/2020 00:42 |
| trans-1,2-Dichloroethene | | U | 0.48 | 1.6 | µg/L | 1 | 12/9/2020 00:42 |
| trans-1,3-Dichloropropene | | U | 0.38 | 2.7 | µg/L | 1 | 12/9/2020 00:42 |
| Trichloroethene | 1.8 | | 0.43 | 1.4 | µg/L | 1 | 12/9/2020 00:42 |
| Trichlorofluoromethane | | U | 0.52 | 1.7 | µg/L | 1 | 12/9/2020 00:42 |
| Vinyl chloride | | U | 0.53 | 1.8 | µg/L | 1 | 12/9/2020 00:42 |
| Xylenes, Total | | U | 0.81 | 4.4 | µg/L | 1 | 12/9/2020 00:42 |
| Surr: 1,2-Dichloroethane-d4 | 106 | | | 75-120 | %REC | 1 | 12/9/2020 00:42 |
| Surr: 4-Bromofluorobenzene | 102 | | | 80-110 | %REC | 1 | 12/9/2020 00:42 |
| Surr: Dibromofluoromethane | 110 | | | 85-115 | %REC | 1 | 12/9/2020 00:42 |
| Surr: Toluene-d8 | 103 | | | 85-110 | %REC | 1 | 12/9/2020 00:42 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: TRC Environmental Corporation
 Project: Grafton Lime Kiln Landfill
 Sample ID: DUP-1
 Collection Date: 12/1/2020

Work Order: 20120231
 Lab ID: 20120231-08
 Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|-------|-----------------|-----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: JNS | |
| 1,1,1-Trichloroethane | 0.86 | J | 0.46 | 1.5 | µg/L | 1 | 12/9/2020 00:58 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 12/9/2020 00:58 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 12/9/2020 00:58 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 12/9/2020 00:58 |
| 1,1-Dichloroethane | 5.2 | | 0.44 | 1.5 | µg/L | 1 | 12/9/2020 00:58 |
| 1,1-Dichloroethene | 1.1 | J | 0.40 | 1.4 | µg/L | 1 | 12/9/2020 00:58 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 12/9/2020 00:58 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 12/9/2020 00:58 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 12/9/2020 00:58 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 12/9/2020 00:58 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 12/9/2020 00:58 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 12/9/2020 00:58 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 12/9/2020 00:58 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 12/9/2020 00:58 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 12/9/2020 00:58 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 12/9/2020 00:58 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 12/9/2020 00:58 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 12/9/2020 00:58 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 12/9/2020 00:58 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 12/9/2020 00:58 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 12/9/2020 00:58 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 12/9/2020 00:58 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 12/9/2020 00:58 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 12/9/2020 00:58 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 12/9/2020 00:58 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 12/9/2020 00:58 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 12/9/2020 00:58 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 12/9/2020 00:58 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 12/9/2020 00:58 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 12/9/2020 00:58 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 12/9/2020 00:58 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 12/9/2020 00:58 |
| cis-1,2-Dichloroethene | 40 | | 0.42 | 1.4 | µg/L | 1 | 12/9/2020 00:58 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 12/9/2020 00:58 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 12/9/2020 00:58 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 12/9/2020 00:58 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 12/9/2020 00:58 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 12/9/2020 00:58 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Dec-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln Landfill
Sample ID: DUP-1
Collection Date: 12/1/2020

Work Order: 20120231
Lab ID: 20120231-08
Matrix: GROUNDWATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|------------|------|-------------|--------------|-------------|-----------------|-----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 12/9/2020 00:58 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 12/9/2020 00:58 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 12/9/2020 00:58 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 12/9/2020 00:58 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 12/9/2020 00:58 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 12/9/2020 00:58 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 12/9/2020 00:58 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 12/9/2020 00:58 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 12/9/2020 00:58 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 12/9/2020 00:58 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 12/9/2020 00:58 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 12/9/2020 00:58 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 12/9/2020 00:58 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 12/9/2020 00:58 |
| Trichloroethene | 99 | | 0.43 | 1.4 | µg/L | 1 | 12/9/2020 00:58 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 12/9/2020 00:58 |
| Vinyl chloride | 3.4 | | 0.53 | 1.8 | µg/L | 1 | 12/9/2020 00:58 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 12/9/2020 00:58 |
| Surr: 1,2-Dichloroethane-d4 | 108 | | | 75-120 | %REC | 1 | 12/9/2020 00:58 |
| Surr: 4-Bromofluorobenzene | 101 | | | 80-110 | %REC | 1 | 12/9/2020 00:58 |
| Surr: Dibromofluoromethane | 109 | | | 85-115 | %REC | 1 | 12/9/2020 00:58 |
| Surr: Toluene-d8 | 103 | | | 85-110 | %REC | 1 | 12/9/2020 00:58 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Dec-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln Landfill
Sample ID: Trip Blank
Collection Date: 12/1/2020

Work Order: 20120231
Lab ID: 20120231-09
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|-----------------|--------------|-------|-----------------|-----------------|
| VOLATILE ORGANIC COMPOUNDS | | | Method: SW8260C | | | Analyst: JNS | |
| 1,1,1-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 12/8/2020 22:48 |
| 1,1,2,2-Tetrachloroethane | U | | 0.40 | 1.3 | µg/L | 1 | 12/8/2020 22:48 |
| 1,1,2-Trichloroethane | U | | 0.46 | 1.5 | µg/L | 1 | 12/8/2020 22:48 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.52 | 1.7 | µg/L | 1 | 12/8/2020 22:48 |
| 1,1-Dichloroethane | U | | 0.44 | 1.5 | µg/L | 1 | 12/8/2020 22:48 |
| 1,1-Dichloroethene | U | | 0.40 | 1.4 | µg/L | 1 | 12/8/2020 22:48 |
| 1,2,3-Trichlorobenzene | U | | 0.42 | 1.4 | µg/L | 1 | 12/8/2020 22:48 |
| 1,2,4-Trichlorobenzene | U | | 0.45 | 1.5 | µg/L | 1 | 12/8/2020 22:48 |
| 1,2,4-Trimethylbenzene | U | | 0.45 | 1.5 | µg/L | 1 | 12/8/2020 22:48 |
| 1,2-Dibromo-3-chloropropane | U | | 0.43 | 1.4 | µg/L | 1 | 12/8/2020 22:48 |
| 1,2-Dibromoethane | U | | 0.41 | 1.4 | µg/L | 1 | 12/8/2020 22:48 |
| 1,2-Dichlorobenzene | U | | 0.32 | 1.1 | µg/L | 1 | 12/8/2020 22:48 |
| 1,2-Dichloroethane | U | | 0.44 | 1.4 | µg/L | 1 | 12/8/2020 22:48 |
| 1,2-Dichloropropane | U | | 0.48 | 1.6 | µg/L | 1 | 12/8/2020 22:48 |
| 1,3,5-Trimethylbenzene | U | | 0.65 | 2.2 | µg/L | 1 | 12/8/2020 22:48 |
| 1,3-Dichlorobenzene | U | | 0.33 | 1.1 | µg/L | 1 | 12/8/2020 22:48 |
| 1,4-Dichlorobenzene | U | | 0.35 | 1.2 | µg/L | 1 | 12/8/2020 22:48 |
| 2-Butanone | U | | 0.52 | 1.7 | µg/L | 1 | 12/8/2020 22:48 |
| 2-Hexanone | U | | 0.59 | 2.0 | µg/L | 1 | 12/8/2020 22:48 |
| 4-Methyl-2-pentanone | U | | 0.52 | 1.7 | µg/L | 1 | 12/8/2020 22:48 |
| Acetone | U | | 6.2 | 21 | µg/L | 1 | 12/8/2020 22:48 |
| Benzene | U | | 0.46 | 1.5 | µg/L | 1 | 12/8/2020 22:48 |
| Bromochloromethane | U | | 0.45 | 1.5 | µg/L | 1 | 12/8/2020 22:48 |
| Bromodichloromethane | U | | 0.49 | 1.6 | µg/L | 1 | 12/8/2020 22:48 |
| Bromoform | U | | 0.56 | 1.9 | µg/L | 1 | 12/8/2020 22:48 |
| Bromomethane | U | | 0.90 | 3.0 | µg/L | 1 | 12/8/2020 22:48 |
| Carbon disulfide | U | | 0.49 | 1.6 | µg/L | 1 | 12/8/2020 22:48 |
| Carbon tetrachloride | U | | 0.40 | 1.4 | µg/L | 1 | 12/8/2020 22:48 |
| Chlorobenzene | U | | 0.40 | 1.3 | µg/L | 1 | 12/8/2020 22:48 |
| Chloroethane | U | | 0.68 | 2.3 | µg/L | 1 | 12/8/2020 22:48 |
| Chloroform | U | | 0.46 | 1.5 | µg/L | 1 | 12/8/2020 22:48 |
| Chloromethane | U | | 0.83 | 2.8 | µg/L | 1 | 12/8/2020 22:48 |
| cis-1,2-Dichloroethene | U | | 0.42 | 1.4 | µg/L | 1 | 12/8/2020 22:48 |
| cis-1,3-Dichloropropene | U | | 0.57 | 1.9 | µg/L | 1 | 12/8/2020 22:48 |
| Cyclohexane | U | | 0.63 | 2.1 | µg/L | 1 | 12/8/2020 22:48 |
| Dibromochloromethane | U | | 0.40 | 1.3 | µg/L | 1 | 12/8/2020 22:48 |
| Dichlorodifluoromethane | U | | 0.68 | 2.3 | µg/L | 1 | 12/8/2020 22:48 |
| Ethylbenzene | U | | 0.34 | 1.1 | µg/L | 1 | 12/8/2020 22:48 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 10-Dec-20

Client: TRC Environmental Corporation
Project: Grafton Lime Kiln Landfill
Sample ID: Trip Blank
Collection Date: 12/1/2020

Work Order: 20120231
Lab ID: 20120231-09
Matrix: WATER

| Analyses | Result | Qual | MDL | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|--------|------|------|--------------|-------|-----------------|-----------------|
| Isopropylbenzene | U | | 0.35 | 1.2 | µg/L | 1 | 12/8/2020 22:48 |
| m,p-Xylene | U | | 0.81 | 2.7 | µg/L | 1 | 12/8/2020 22:48 |
| Methyl acetate | U | | 0.59 | 2.0 | µg/L | 1 | 12/8/2020 22:48 |
| Methyl tert-butyl ether | U | | 0.45 | 1.5 | µg/L | 1 | 12/8/2020 22:48 |
| Methylcyclohexane | U | | 0.35 | 1.2 | µg/L | 1 | 12/8/2020 22:48 |
| Methylene chloride | U | | 0.86 | 2.9 | µg/L | 1 | 12/8/2020 22:48 |
| Naphthalene | U | | 0.77 | 2.6 | µg/L | 1 | 12/8/2020 22:48 |
| o-Xylene | U | | 0.31 | 1.0 | µg/L | 1 | 12/8/2020 22:48 |
| Styrene | U | | 0.33 | 1.1 | µg/L | 1 | 12/8/2020 22:48 |
| Tetrachloroethene | U | | 0.39 | 1.3 | µg/L | 1 | 12/8/2020 22:48 |
| Tetrahydrofuran | U | | 0.73 | 2.4 | µg/L | 1 | 12/8/2020 22:48 |
| Toluene | U | | 0.45 | 1.5 | µg/L | 1 | 12/8/2020 22:48 |
| trans-1,2-Dichloroethene | U | | 0.48 | 1.6 | µg/L | 1 | 12/8/2020 22:48 |
| trans-1,3-Dichloropropene | U | | 0.38 | 2.7 | µg/L | 1 | 12/8/2020 22:48 |
| Trichloroethene | U | | 0.43 | 1.4 | µg/L | 1 | 12/8/2020 22:48 |
| Trichlorofluoromethane | U | | 0.52 | 1.7 | µg/L | 1 | 12/8/2020 22:48 |
| Vinyl chloride | U | | 0.53 | 1.8 | µg/L | 1 | 12/8/2020 22:48 |
| Xylenes, Total | U | | 0.81 | 4.4 | µg/L | 1 | 12/8/2020 22:48 |
| Surr: 1,2-Dichloroethane-d4 | 108 | | | 75-120 | %REC | 1 | 12/8/2020 22:48 |
| Surr: 4-Bromofluorobenzene | 102 | | | 80-110 | %REC | 1 | 12/8/2020 22:48 |
| Surr: Dibromofluoromethane | 107 | | | 85-115 | %REC | 1 | 12/8/2020 22:48 |
| Surr: Toluene-d8 | 104 | | | 85-110 | %REC | 1 | 12/8/2020 22:48 |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: TRC Environmental Corporation
Work Order: 20120231
Project: Grafton Lime Kiln Landfill

QC BATCH REPORT

Batch ID: **R305316** Instrument ID **VMS8** Method: **SW8260C**

| MBLK | | Sample ID: VBK2-201208-R305316 | | | Units: µg/L | | Analysis Date: 12/8/2020 10:15 PM | | | |
|--------------------------------|--------|---------------------------------------|---------|---------------|-----------------------|---------------|--|------|--------------|------|
| Client ID: | | Run ID: VMS8_201208B | | | SeqNo: 6971892 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | U | 1.5 | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | U | 1.3 | | | | | | | | |
| 1,1,2-Trichloroethane | U | 1.5 | | | | | | | | |
| 1,1,2-Trichlorotrifluoroethane | U | 1.7 | | | | | | | | |
| 1,1-Dichloroethane | U | 1.5 | | | | | | | | |
| 1,1-Dichloroethene | U | 1.4 | | | | | | | | |
| 1,2,3-Trichlorobenzene | U | 1.4 | | | | | | | | |
| 1,2,4-Trichlorobenzene | U | 1.5 | | | | | | | | |
| 1,2,4-Trimethylbenzene | U | 1.5 | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | U | 1.4 | | | | | | | | |
| 1,2-Dibromoethane | U | 1.4 | | | | | | | | |
| 1,2-Dichlorobenzene | U | 1.1 | | | | | | | | |
| 1,2-Dichloroethane | U | 1.4 | | | | | | | | |
| 1,2-Dichloropropane | U | 1.6 | | | | | | | | |
| 1,3,5-Trimethylbenzene | U | 2.2 | | | | | | | | |
| 1,3-Dichlorobenzene | U | 1.1 | | | | | | | | |
| 1,4-Dichlorobenzene | U | 1.2 | | | | | | | | |
| 2-Butanone | U | 1.7 | | | | | | | | |
| 2-Hexanone | U | 2.0 | | | | | | | | |
| 4-Methyl-2-pentanone | U | 1.7 | | | | | | | | |
| Acetone | U | 21 | | | | | | | | |
| Benzene | U | 1.5 | | | | | | | | |
| Bromochloromethane | U | 1.5 | | | | | | | | |
| Bromodichloromethane | U | 1.6 | | | | | | | | |
| Bromoform | U | 1.9 | | | | | | | | |
| Bromomethane | U | 3.0 | | | | | | | | |
| Carbon disulfide | U | 1.6 | | | | | | | | |
| Carbon tetrachloride | U | 1.4 | | | | | | | | |
| Chlorobenzene | U | 1.3 | | | | | | | | |
| Chloroethane | U | 2.3 | | | | | | | | |
| Chloroform | U | 1.5 | | | | | | | | |
| Chloromethane | U | 2.8 | | | | | | | | |
| cis-1,2-Dichloroethene | U | 1.4 | | | | | | | | |
| cis-1,3-Dichloropropene | U | 1.9 | | | | | | | | |
| Cyclohexane | U | 2.1 | | | | | | | | |
| Dibromochloromethane | U | 1.3 | | | | | | | | |
| Dichlorodifluoromethane | U | 2.3 | | | | | | | | |
| Ethylbenzene | U | 1.1 | | | | | | | | |
| Isopropylbenzene | U | 1.2 | | | | | | | | |
| m,p-Xylene | U | 2.7 | | | | | | | | |
| Methyl acetate | U | 2.0 | | | | | | | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20120231

Project: Grafton Lime Kiln Landfill

QC BATCH REPORT

| | | | | | | | | |
|------------------------------------|---------------------------|------------------------|-----------|----------|-------------|---------------|----------|--|
| Batch ID: R305316 | Instrument ID VMS8 | Method: SW8260C | | | | | | |
| Methyl tert-butyl ether | U | 1.5 | | | | | | |
| Methylcyclohexane | U | 1.2 | | | | | | |
| Methylene chloride | U | 2.9 | | | | | | |
| Naphthalene | U | 2.6 | | | | | | |
| o-Xylene | U | 1.0 | | | | | | |
| Styrene | U | 1.1 | | | | | | |
| Tetrachloroethene | U | 1.3 | | | | | | |
| Tetrahydrofuran | U | 2.4 | | | | | | |
| Toluene | U | 1.5 | | | | | | |
| trans-1,2-Dichloroethene | U | 1.6 | | | | | | |
| trans-1,3-Dichloropropene | U | 2.7 | | | | | | |
| Trichloroethene | U | 1.4 | | | | | | |
| Trichlorofluoromethane | U | 1.7 | | | | | | |
| Vinyl chloride | U | 1.8 | | | | | | |
| Xylenes, Total | U | 4.4 | | | | | | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>21.79</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>109</i> | <i>75-120</i> | <i>0</i> | |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>19.78</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>98.9</i> | <i>80-110</i> | <i>0</i> | |
| <i>Surr: Dibromofluoromethane</i> | <i>21.87</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>109</i> | <i>85-115</i> | <i>0</i> | |
| <i>Surr: Toluene-d8</i> | <i>20.53</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>103</i> | <i>85-110</i> | <i>0</i> | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation
 Work Order: 20120231
 Project: Grafton Lime Kiln Landfill

QC BATCH REPORT

Batch ID: **R305316** Instrument ID **VMS8** Method: **SW8260C**

| LCS | | Sample ID: VLCSW2-201208-R305316 | | | | Units: µg/L | | Analysis Date: 12/8/2020 09:26 PM | | |
|-----------------------------|--------|---|---------|-----------------------|------|--------------------|---------------|--|-----------|------|
| Client ID: | | Run ID: VMS8_201208B | | SeqNo: 6971890 | | Prep Date: | | DF: 1 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | 22.4 | 1.5 | 20 | 0 | 112 | 75-130 | 0 | | | |
| 1,1,2,2-Tetrachloroethane | 25.45 | 1.3 | 20 | 0 | 127 | 75-130 | 0 | | | |
| 1,1,2-Trichloroethane | 22.36 | 1.5 | 20 | 0 | 112 | 75-125 | 0 | | | |
| 1,1-Dichloroethane | 19.05 | 1.5 | 20 | 0 | 95.2 | 68-142 | 0 | | | |
| 1,1-Dichloroethene | 20.53 | 1.4 | 20 | 0 | 103 | 70-145 | 0 | | | |
| 1,2,3-Trichlorobenzene | 21.34 | 1.4 | 20 | 0 | 107 | 70-140 | 0 | | | |
| 1,2,4-Trichlorobenzene | 22.39 | 1.5 | 20 | 0 | 112 | 70-135 | 0 | | | |
| 1,2,4-Trimethylbenzene | 20.11 | 1.5 | 20 | 0 | 101 | 75-130 | 0 | | | |
| 1,2-Dibromo-3-chloropropane | 23.09 | 1.4 | 20 | 0 | 115 | 60-130 | 0 | | | |
| 1,2-Dibromoethane | 23.09 | 1.4 | 20 | 0 | 115 | 67-155 | 0 | | | |
| 1,2-Dichlorobenzene | 23.6 | 1.1 | 20 | 0 | 118 | 70-130 | 0 | | | |
| 1,2-Dichloroethane | 22.11 | 1.4 | 20 | 0 | 111 | 78-125 | 0 | | | |
| 1,2-Dichloropropane | 19.88 | 1.6 | 20 | 0 | 99.4 | 75-125 | 0 | | | |
| 1,3,5-Trimethylbenzene | 20.21 | 2.2 | 20 | 0 | 101 | 75-130 | 0 | | | |
| 1,3-Dichlorobenzene | 23.54 | 1.1 | 20 | 0 | 118 | 75-130 | 0 | | | |
| 1,4-Dichlorobenzene | 23.68 | 1.2 | 20 | 0 | 118 | 75-130 | 0 | | | |
| 2-Butanone | 20.4 | 1.7 | 20 | 0 | 102 | 55-150 | 0 | | | |
| 2-Hexanone | 22.8 | 2.0 | 20 | 0 | 114 | 60-135 | 0 | | | |
| 4-Methyl-2-pentanone | 33.35 | 1.7 | 20 | 0 | 167 | 77-178 | 0 | | | |
| Acetone | 22.45 | 21 | 20 | 0 | 112 | 60-160 | 0 | | | |
| Benzene | 20.69 | 1.5 | 20 | 0 | 103 | 70-130 | 0 | | | |
| Bromochloromethane | 19.24 | 1.5 | 20 | 0 | 96.2 | 72-141 | 0 | | | |
| Bromodichloromethane | 21.33 | 1.6 | 20 | 0 | 107 | 75-125 | 0 | | | |
| Bromoform | 20.93 | 1.9 | 20 | 0 | 105 | 60-125 | 0 | | | |
| Bromomethane | 26.12 | 3.0 | 20 | 0 | 131 | 30-185 | 0 | | | |
| Carbon disulfide | 19.75 | 1.6 | 20 | 0 | 98.8 | 60-165 | 0 | | | |
| Carbon tetrachloride | 20.06 | 1.4 | 20 | 0 | 100 | 65-140 | 0 | | | |
| Chlorobenzene | 23.66 | 1.3 | 20 | 0 | 118 | 80-120 | 0 | | | |
| Chloroethane | 21 | 2.3 | 20 | 0 | 105 | 31-172 | 0 | | | |
| Chloroform | 19.6 | 1.5 | 20 | 0 | 98 | 66-135 | 0 | | | |
| Chloromethane | 13.16 | 2.8 | 20 | 0 | 65.8 | 46-148 | 0 | | | |
| cis-1,2-Dichloroethene | 20.07 | 1.4 | 20 | 0 | 100 | 75-134 | 0 | | | |
| cis-1,3-Dichloropropene | 20.37 | 1.9 | 20 | 0 | 102 | 70-130 | 0 | | | |
| Dibromochloromethane | 21.16 | 1.3 | 20 | 0 | 106 | 60-115 | 0 | | | |
| Dichlorodifluoromethane | 17.4 | 2.3 | 20 | 0 | 87 | 20-120 | 0 | | | |
| Ethylbenzene | 21.51 | 1.1 | 20 | 0 | 108 | 76-123 | 0 | | | |
| Isopropylbenzene | 21.87 | 1.2 | 20 | 0 | 109 | 80-127 | 0 | | | |
| m,p-Xylene | 42.18 | 2.7 | 40 | 0 | 105 | 75-130 | 0 | | | |
| Methyl tert-butyl ether | 21.22 | 1.5 | 20 | 0 | 106 | 68-129 | 0 | | | |
| Methylene chloride | 16.7 | 2.9 | 20 | 0 | 83.5 | 72-125 | 0 | | | |
| Naphthalene | 20.66 | 2.6 | 20 | 0 | 103 | 55-160 | 0 | | | |
| o-Xylene | 21.42 | 1.0 | 20 | 0 | 107 | 76-127 | 0 | | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20120231

Project: Grafton Lime Kiln Landfill

QC BATCH REPORT

| | | | | | | | | |
|------------------------------------|---------------------------|------------------------|-----------|----------|------------|---------------|----------|--|
| Batch ID: R305316 | Instrument ID VMS8 | Method: SW8260C | | | | | | |
| Styrene | 21.8 | 1.1 | 20 | 0 | 109 | 79-117 | 0 | |
| Tetrachloroethene | 23.72 | 1.3 | 20 | 0 | 119 | 68-166 | 0 | |
| Tetrahydrofuran | 18.18 | 2.4 | 20 | 0 | 90.9 | 54-139 | 0 | |
| Toluene | 22.88 | 1.5 | 20 | 0 | 114 | 76-125 | 0 | |
| trans-1,2-Dichloroethene | 19.82 | 1.6 | 20 | 0 | 99.1 | 80-140 | 0 | |
| trans-1,3-Dichloropropene | 22.1 | 2.7 | 20 | 0 | 110 | 56-132 | 0 | |
| Trichloroethene | 21.77 | 1.4 | 20 | 0 | 109 | 77-125 | 0 | |
| Trichlorofluoromethane | 15.8 | 1.7 | 20 | 0 | 79 | 60-140 | 0 | |
| Vinyl chloride | 15.38 | 1.8 | 20 | 0 | 76.9 | 50-136 | 0 | |
| Xylenes, Total | 63.6 | 4.4 | 60 | 0 | 106 | 76-127 | 0 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>21.06</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>105</i> | <i>75-120</i> | <i>0</i> | |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>20.71</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>104</i> | <i>80-110</i> | <i>0</i> | |
| <i>Surr: Dibromofluoromethane</i> | <i>20.3</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>102</i> | <i>85-115</i> | <i>0</i> | |
| <i>Surr: Toluene-d8</i> | <i>20.19</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>101</i> | <i>85-110</i> | <i>0</i> | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation
 Work Order: 20120231
 Project: Grafton Lime Kiln Landfill

QC BATCH REPORT

Batch ID: **R305316** Instrument ID **VMS8** Method: **SW8260C**

| MS | | | | Sample ID: 20120231-02A MS | | Units: µg/L | | Analysis Date: 12/9/2020 04:29 AM | | |
|-----------------------------|--------------|-----------------------------|-----------|-----------------------------------|------------|--------------------|---------------|--|-----------|----------|
| Client ID: MW8A | | Run ID: VMS8_201208B | | SeqNo: 6971915 | | Prep Date: | | DF: 1 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | 23.13 | 1.5 | 20 | 0.68 | 112 | 75-130 | | 0 | | |
| 1,1,2,2-Tetrachloroethane | 21.52 | 1.3 | 20 | 0 | 108 | 75-130 | | 0 | | |
| 1,1,2-Trichloroethane | 20.32 | 1.5 | 20 | 0 | 102 | 75-125 | | 0 | | |
| 1,1-Dichloroethane | 27.08 | 1.5 | 20 | 7.89 | 96 | 68-142 | | 0 | | |
| 1,1-Dichloroethene | 23.02 | 1.4 | 20 | 0.56 | 112 | 70-145 | | 0 | | |
| 1,2,3-Trichlorobenzene | 19.15 | 1.4 | 20 | 0 | 95.8 | 70-140 | | 0 | | |
| 1,2,4-Trichlorobenzene | 18.86 | 1.5 | 20 | 0 | 94.3 | 70-135 | | 0 | | |
| 1,2,4-Trimethylbenzene | 18.54 | 1.5 | 20 | 0 | 92.7 | 75-130 | | 0 | | |
| 1,2-Dibromo-3-chloropropane | 20.23 | 1.4 | 20 | 0 | 101 | 60-130 | | 0 | | |
| 1,2-Dibromoethane | 21.92 | 1.4 | 20 | 0 | 110 | 67-155 | | 0 | | |
| 1,2-Dichlorobenzene | 21.78 | 1.1 | 20 | 0 | 109 | 70-130 | | 0 | | |
| 1,2-Dichloroethane | 20.86 | 1.4 | 20 | 0 | 104 | 78-125 | | 0 | | |
| 1,2-Dichloropropane | 19.26 | 1.6 | 20 | 0 | 96.3 | 75-125 | | 0 | | |
| 1,3,5-Trimethylbenzene | 18.94 | 2.2 | 20 | 0 | 94.7 | 75-130 | | 0 | | |
| 1,3-Dichlorobenzene | 21.74 | 1.1 | 20 | 0 | 109 | 75-130 | | 0 | | |
| 1,4-Dichlorobenzene | 21.42 | 1.2 | 20 | 0 | 107 | 75-130 | | 0 | | |
| 2-Butanone | 17.81 | 1.7 | 20 | 0 | 89 | 55-150 | | 0 | | |
| 2-Hexanone | 19.37 | 2.0 | 20 | 0 | 96.8 | 60-135 | | 0 | | |
| 4-Methyl-2-pentanone | 30.02 | 1.7 | 20 | 0 | 150 | 77-178 | | 0 | | |
| Acetone | 22.72 | 21 | 20 | 0.63 | 110 | 60-160 | | 0 | | |
| Benzene | 20.9 | 1.5 | 20 | 0 | 104 | 70-130 | | 0 | | |
| Bromochloromethane | 19.59 | 1.5 | 20 | 0 | 98 | 72-141 | | 0 | | |
| Bromodichloromethane | 20.54 | 1.6 | 20 | 0 | 103 | 75-125 | | 0 | | |
| Bromoform | 18.02 | 1.9 | 20 | 0 | 90.1 | 60-125 | | 0 | | |
| Bromomethane | 69.43 | 3.0 | 20 | 0 | 347 | 30-185 | | 0 | | S |
| Carbon disulfide | 20.65 | 1.6 | 20 | 0 | 103 | 60-165 | | 0 | | |
| Carbon tetrachloride | 19.96 | 1.4 | 20 | 0 | 99.8 | 65-140 | | 0 | | |
| Chlorobenzene | 22.4 | 1.3 | 20 | 0 | 112 | 80-120 | | 0 | | |
| Chloroethane | 25.03 | 2.3 | 20 | 0 | 125 | 31-172 | | 0 | | |
| Chloroform | 19.57 | 1.5 | 20 | 0 | 97.8 | 66-135 | | 0 | | |
| Chloromethane | 13.22 | 2.8 | 20 | 0 | 66.1 | 46-148 | | 0 | | |
| cis-1,2-Dichloroethene | 77.65 | 1.4 | 20 | 59.57 | 90.4 | 75-134 | | 0 | | |
| cis-1,3-Dichloropropene | 19.07 | 1.9 | 20 | 0 | 95.4 | 70-130 | | 0 | | |
| Dibromochloromethane | 19.54 | 1.3 | 20 | 0 | 97.7 | 60-115 | | 0 | | |
| Dichlorodifluoromethane | 22.04 | 2.3 | 20 | 0 | 110 | 20-120 | | 0 | | |
| Ethylbenzene | 20.16 | 1.1 | 20 | 0 | 101 | 76-123 | | 0 | | |
| Isopropylbenzene | 20.32 | 1.2 | 20 | 0 | 102 | 80-127 | | 0 | | |
| m,p-Xylene | 39.96 | 2.7 | 40 | 0 | 99.9 | 75-130 | | 0 | | |
| Methyl tert-butyl ether | 20.63 | 1.5 | 20 | 0 | 103 | 68-129 | | 0 | | |
| Methylene chloride | 16.78 | 2.9 | 20 | 0 | 83.9 | 72-125 | | 0 | | |
| Naphthalene | 18.61 | 2.6 | 20 | 0 | 93 | 55-160 | | 0 | | |
| o-Xylene | 20.15 | 1.0 | 20 | 0 | 101 | 76-127 | | 0 | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20120231

Project: Grafton Lime Kiln Landfill

QC BATCH REPORT

| | | | | | | | | |
|------------------------------------|---------------------------|------------------------|-----------|----------|------------|---------------|----------|--|
| Batch ID: R305316 | Instrument ID VMS8 | Method: SW8260C | | | | | | |
| Styrene | 20.17 | 1.1 | 20 | 0 | 101 | 79-117 | 0 | |
| Tetrachloroethene | 23.18 | 1.3 | 20 | 0 | 116 | 68-166 | 0 | |
| Tetrahydrofuran | 18.04 | 2.4 | 20 | 0 | 90.2 | 54-139 | 0 | |
| Toluene | 21.92 | 1.5 | 20 | 0 | 110 | 76-125 | 0 | |
| trans-1,2-Dichloroethene | 21.99 | 1.6 | 20 | 0.81 | 106 | 80-140 | 0 | |
| trans-1,3-Dichloropropene | 19.66 | 2.7 | 20 | 0 | 98.3 | 56-132 | 0 | |
| Trichloroethene | 32.43 | 1.4 | 20 | 11.58 | 104 | 77-125 | 0 | |
| Trichlorofluoromethane | 17.26 | 1.7 | 20 | 0 | 86.3 | 60-140 | 0 | |
| Vinyl chloride | 24.48 | 1.8 | 20 | 6.26 | 91.1 | 50-136 | 0 | |
| Xylenes, Total | 60.11 | 4.4 | 60 | 0 | 100 | 76-127 | 0 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>20.7</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>104</i> | <i>75-120</i> | <i>0</i> | |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>20.19</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>101</i> | <i>80-110</i> | <i>0</i> | |
| <i>Surr: Dibromofluoromethane</i> | <i>20.25</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>101</i> | <i>85-115</i> | <i>0</i> | |
| <i>Surr: Toluene-d8</i> | <i>20.2</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>101</i> | <i>85-110</i> | <i>0</i> | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation
 Work Order: 20120231
 Project: Grafton Lime Kiln Landfill

QC BATCH REPORT

Batch ID: **R305316** Instrument ID **VMS8** Method: **SW8260C**

| DUP | | Sample ID: 20120231-01A DUP | | | | Units: µg/L | | Analysis Date: 12/9/2020 04:13 AM | | |
|--------------------------------|--------|------------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| Client ID: P8B | | Run ID: VMS8_201208B | | | | SeqNo: 6971914 | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane | 0.87 | 1.5 | 0 | 0 | 0 | | 0.92 | 0 | 30 | J |
| 1,1,2,2-Tetrachloroethane | U | 1.3 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| 1,1,2-Trichloroethane | U | 1.5 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| 1,1,2-Trichlorotrifluoroethane | U | 1.7 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| 1,1-Dichloroethane | 5.38 | 1.5 | 0 | 0 | 0 | | 5.11 | 5.15 | 30 | |
| 1,1-Dichloroethene | 1.16 | 1.4 | 0 | 0 | 0 | | 1.02 | 0 | 30 | J |
| 1,2,3-Trichlorobenzene | U | 1.4 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| 1,2,4-Trichlorobenzene | U | 1.5 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| 1,2,4-Trimethylbenzene | 1.41 | 1.5 | 0 | 0 | 0 | | 0 | 0 | 30 | J |
| 1,2-Dibromo-3-chloropropane | U | 1.4 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| 1,2-Dibromoethane | U | 1.4 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| 1,2-Dichlorobenzene | U | 1.1 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| 1,2-Dichloroethane | U | 1.4 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| 1,2-Dichloropropane | U | 1.6 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| 1,3,5-Trimethylbenzene | U | 2.2 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| 1,3-Dichlorobenzene | U | 1.1 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| 1,4-Dichlorobenzene | U | 1.2 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| 2-Butanone | U | 1.7 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| 2-Hexanone | U | 2.0 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| 4-Methyl-2-pentanone | U | 1.7 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| Acetone | U | 21 | 0 | 0 | 0 | | 1.34 | 0 | 30 | |
| Benzene | U | 1.5 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| Bromochloromethane | U | 1.5 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| Bromodichloromethane | U | 1.6 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| Bromoform | U | 1.9 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| Bromomethane | U | 3.0 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| Carbon disulfide | U | 1.6 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| Carbon tetrachloride | U | 1.4 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| Chlorobenzene | U | 1.3 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| Chloroethane | U | 2.3 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| Chloroform | U | 1.5 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| Chloromethane | U | 2.8 | 0 | 0 | 0 | | 0.27 | 0 | 30 | |
| cis-1,2-Dichloroethene | 40.36 | 1.4 | 0 | 0 | 0 | | 39.18 | 2.97 | 30 | |
| cis-1,3-Dichloropropene | U | 1.9 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| Cyclohexane | U | 2.1 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| Dibromochloromethane | U | 1.3 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| Dichlorodifluoromethane | U | 2.3 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| Ethylbenzene | U | 1.1 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| Isopropylbenzene | U | 1.2 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| m,p-Xylene | U | 2.7 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| Methyl acetate | U | 2.0 | 0 | 0 | 0 | | 0 | 0 | 30 | |
| Methyl tert-butyl ether | U | 1.5 | 0 | 0 | 0 | | 0 | 0 | 30 | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

Work Order: 20120231

Project: Grafton Lime Kiln Landfill

QC BATCH REPORT

| Batch ID: R305316 | Instrument ID VMS8 | Method: SW8260C | | | | | | | |
|------------------------------------|---------------------------|------------------------|----|---|-----|--------|-------|-------|----|
| Methylcyclohexane | U | 1.2 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| Methylene chloride | U | 2.9 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| Naphthalene | U | 2.6 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| o-Xylene | U | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| Styrene | U | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| Tetrachloroethene | U | 1.3 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| Tetrahydrofuran | U | 2.4 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| Toluene | U | 1.5 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| trans-1,2-Dichloroethene | U | 1.6 | 0 | 0 | 0 | 0.44 | 0 | 0 | 30 |
| trans-1,3-Dichloropropene | U | 2.7 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| Trichloroethene | 96.77 | 1.4 | 0 | 0 | 0 | 97.52 | 0.772 | 0 | 30 |
| Trichlorofluoromethane | U | 1.7 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| Vinyl chloride | 3.48 | 1.8 | 0 | 0 | 0 | 3.38 | 2.92 | 0 | 30 |
| Xylenes, Total | U | 4.4 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 21.28 | 0 | 20 | 0 | 106 | 75-120 | 21.43 | 0.702 | 30 |
| <i>Surr: 4-Bromofluorobenzene</i> | 20.7 | 0 | 20 | 0 | 104 | 80-110 | 20.94 | 1.15 | 30 |
| <i>Surr: Dibromofluoromethane</i> | 21.44 | 0 | 20 | 0 | 107 | 85-115 | 21.01 | 2.03 | 30 |
| <i>Surr: Toluene-d8</i> | 20.89 | 0 | 20 | 0 | 104 | 85-110 | 20.71 | 0.865 | 30 |

The following samples were analyzed in this batch:

| | | |
|--------------|--------------|--------------|
| 20120231-01A | 20120231-02A | 20120231-03A |
| 20120231-04A | 20120231-05A | 20120231-06A |
| 20120231-07A | 20120231-08A | 20120231-09A |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation

QC BATCH REPORT

Work Order: 20120231

Project: Grafton Lime Kiln Landfill

Batch ID: R305378w

Instrument ID VMS8

Method: SW8260C

| MBLK | | Sample ID: VBLKW1-201209-R305378w | | | | Units: µg/L | | Analysis Date: 12/9/2020 03:15 PM | | |
|-----------------------------|--------|-----------------------------------|---------|---------------|------|----------------|---------------|-----------------------------------|-----------|-------|
| Client ID: | | Run ID: VMS8_201209A | | | | SeqNo: 6974986 | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| cis-1,2-Dichloroethene | U | 1.4 | | | | | | | | |
| Trichloroethene | U | 1.4 | | | | | | | | |
| Vinyl chloride | U | 1.8 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 21.35 | 0 | 20 | 0 | 107 | 75-120 | 0 | | | |
| Surr: 4-Bromofluorobenzene | 20.19 | 0 | 20 | 0 | 101 | 80-110 | 0 | | | |
| Surr: Dibromofluoromethane | 21.12 | 0 | 20 | 0 | 106 | 85-115 | 0 | | | |
| Surr: Toluene-d8 | 20.95 | 0 | 20 | 0 | 105 | 85-110 | 0 | | | |

| LCS | | Sample ID: VLCSW1-201209-R305378w | | | | Units: µg/L | | Analysis Date: 12/9/2020 02:26 PM | | |
|-----------------------------|--------|-----------------------------------|---------|---------------|------|----------------|---------------|-----------------------------------|-----------|-------|
| Client ID: | | Run ID: VMS8_201209A | | | | SeqNo: 6974984 | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| cis-1,2-Dichloroethene | 19.08 | 1.4 | 20 | 0 | 95.4 | 75-134 | 0 | | | |
| Trichloroethene | 20.61 | 1.4 | 20 | 0 | 103 | 77-125 | 0 | | | |
| Vinyl chloride | 17.07 | 1.8 | 20 | 0 | 85.4 | 50-136 | 0 | | | |
| Surr: 1,2-Dichloroethane-d4 | 20.07 | 0 | 20 | 0 | 100 | 75-120 | 0 | | | |
| Surr: 4-Bromofluorobenzene | 19.96 | 0 | 20 | 0 | 99.8 | 80-110 | 0 | | | |
| Surr: Dibromofluoromethane | 20.53 | 0 | 20 | 0 | 103 | 85-115 | 0 | | | |
| Surr: Toluene-d8 | 19.93 | 0 | 20 | 0 | 99.6 | 85-110 | 0 | | | |

| MS | | Sample ID: 20120464-08A MS | | | | Units: µg/L | | Analysis Date: 12/9/2020 09:12 PM | | |
|-----------------------------|--------|----------------------------|---------|---------------|------|----------------|---------------|-----------------------------------|-----------|-------|
| Client ID: | | Run ID: VMS8_201209A | | | | SeqNo: 6975008 | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| cis-1,2-Dichloroethene | 20.42 | 1.4 | 20 | 0 | 102 | 75-134 | 0 | | | |
| Trichloroethene | 22.7 | 1.4 | 20 | 0 | 114 | 77-125 | 0 | | | |
| Vinyl chloride | 17.01 | 1.8 | 20 | 0 | 85 | 50-136 | 0 | | | |
| Surr: 1,2-Dichloroethane-d4 | 20.68 | 0 | 20 | 0 | 103 | 75-120 | 0 | | | |
| Surr: 4-Bromofluorobenzene | 20.39 | 0 | 20 | 0 | 102 | 80-110 | 0 | | | |
| Surr: Dibromofluoromethane | 20.59 | 0 | 20 | 0 | 103 | 85-115 | 0 | | | |
| Surr: Toluene-d8 | 20.6 | 0 | 20 | 0 | 103 | 85-110 | 0 | | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TRC Environmental Corporation
Work Order: 20120231
Project: Grafton Lime Kiln Landfill

QC BATCH REPORT

Batch ID: **R305378w** Instrument ID **VMS8** Method: **SW8260C**

| MSD | | Sample ID: 20120464-08A MSD | | | | Units: µg/L | | Analysis Date: 12/9/2020 09:28 PM | | |
|------------------------------------|--------------|------------------------------------|-----------|-----------------------|------------|--------------------|---------------|--|-----------|------|
| Client ID: | | Run ID: VMS8_201209A | | SeqNo: 6975009 | | Prep Date: | | DF: 1 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| cis-1,2-Dichloroethene | 20.42 | 1.4 | 20 | 0 | 102 | 75-134 | 20.42 | 0 | 30 | |
| Trichloroethene | 22.95 | 1.4 | 20 | 0 | 115 | 77-125 | 22.7 | 1.1 | 30 | |
| Vinyl chloride | 17.23 | 1.8 | 20 | 0 | 86.2 | 50-136 | 17.01 | 1.29 | 30 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>20.89</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>104</i> | <i>75-120</i> | <i>20.68</i> | <i>1.01</i> | <i>30</i> | |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>20.48</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>102</i> | <i>80-110</i> | <i>20.39</i> | <i>0.44</i> | <i>30</i> | |
| <i>Surr: Dibromofluoromethane</i> | <i>20.97</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>105</i> | <i>85-115</i> | <i>20.59</i> | <i>1.83</i> | <i>30</i> | |
| <i>Surr: Toluene-d8</i> | <i>20.63</i> | <i>0</i> | <i>20</i> | <i>0</i> | <i>103</i> | <i>85-110</i> | <i>20.6</i> | <i>0.146</i> | <i>30</i> | |

The following samples were analyzed in this batch: | 20120231-05A 20120231-06A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Cincinnati, OH
+1 513 733 5336

Fort Collins, CO
+1 970 490 1511

Everett, WA
+1 425 356 2600

Holland, MI
+1 616 399 6070

Chain of Custody Form

Page 1 of 1

COC ID: 223321

Houston, TX
+1 281 530 5656

Middletown, PA
+1 717 944 5541

Spring City, PA
+1 610 948 4903

Salt Lake City, UT
+1 801 266 7700

South Charleston, WV
+1 304 356 3168

York, PA
+1 717 505 5280

ALS Project Manager:

ALS Work Order #: **20120731**

| Customer Information | | Project Information | | Parameter/Method Request for Analysis | | | | | | | | | | | | | | | | | | |
|----------------------|-------------------------------|---------------------|-------------------------------|---------------------------------------|------|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Purchase Order | | Project Name | Grafton Lime Kiln Landfill | A | Vocs | 82608 | | | | | | | | | | | | | | | | |
| Work Order | | Project Number | 383236 | B | | | | | | | | | | | | | | | | | | |
| Company Name | TRC Environmental Corporation | Bill To Company | TRC Companies Inc | C | | | | | | | | | | | | | | | | | | |
| Send Report To | Marita Stollenwerk | Invoice Attn | Accounts Payable | D | | | | | | | | | | | | | | | | | | |
| Address | 150 N Patrick Boulevard | Address | 21 Griffin Road North | E | | | | | | | | | | | | | | | | | | |
| | Suite 180 | | | | F | | | | | | | | | | | | | | | | | |
| City/State/Zip | Brookfield, WI 53045 | City/State/Zip | Windsor, CT 06095 | G | | | | | | | | | | | | | | | | | | |
| Phone | (262) 879-1212 | Phone | (860) 298-9692 | H | | | | | | | | | | | | | | | | | | |
| Fax | | Fax | (860) 298-6399 | I | | | | | | | | | | | | | | | | | | |
| e-Mail Address | MStollenwerk@trccompanies.com | e-Mail Address | MStollenwerk@trccompanies.com | J | | | | | | | | | | | | | | | | | | |

| No. | Sample Description | Date | Time | Matrix | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|-----|--------------------|-----------|-----------|--------|-------|-----------|---|---|---|---|---|---|---|---|---|---|------|
| 1 | P8B | 12-1-2020 | 7:00 1:30 | GW | HCL | 3 | X | | | | | | | | | | |
| 2 | MW8A | | 1:55 | | | | | | | | | | | | | | |
| 3 | PW1716LR | | 10:45 | | | | | | | | | | | | | | |
| 4 | P7B | | 10:00 | | | | | | | | | | | | | | |
| 5 | P2B | | 8:40 | | | | | | | | | | | | | | |
| 6 | MWZA | | 12-2-2020 | | | | | | | | | | | | | | |
| 7 | P10B | 12-2-2020 | 8:40 | | | | | | | | | | | | | | |
| 8 | Dup-1 | 12-1-2020 | - | | | | | | | | | | | | | | |
| 9 | Trip Blank | - | - | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

AS 12-2-2020

| | | | | | | | | | | | |
|--|--------------------|--------------------------|---|---|-----------------------|--|---|-------------------|--|--|--|
| Sampler(s) Please Print & Sign <i>Aaron Sobbe</i> | | Shipment Method FedEx | | Required Turnaround Time: (Check Box) <input checked="" type="checkbox"/> Std 10 WK Days <input type="checkbox"/> 5 WK Days <input type="checkbox"/> Other <input type="checkbox"/> 2 WK Days <input type="checkbox"/> 24 Hour | | | | Results Due Date: | | | |
| Relinquished by: <i>Ann S</i> | Date: 12-2-2020 | Time: 1600 | Received by: <i>FedEx</i> | Notes: | | | | | | | |
| Relinquished by: <i>FedEx</i> | Date: 12/3/20 | Time: 7:00 | Received by (Laboratory): <i>[Signature]</i> | Cooler ID 123 | Cooler Temp. 2.8°C | QC Package: (Check One Box Below) | | | | | |
| Logged by (Laboratory): <i>K</i> | Date: 12/3/20 | Time: 12:45 | Checked by (Laboratory): <i>[Signature]</i> | | | <input type="checkbox"/> Level II Std QC | <input type="checkbox"/> TRRP CheckList | | | | |
| Preservative Key: 1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-Na ₂ S ₂ O ₃ 6-NaHSO ₄ 7-Other 8-4°C 9-5035 | | | | | | <input type="checkbox"/> Level III Std QC/Raw Data | <input type="checkbox"/> TRRP Level IV | | | | |
| | | | | | | <input type="checkbox"/> Level IV SW846/CLP | | | | | |
| | | | | | | <input type="checkbox"/> Other | | | | | |

Sample Receipt Checklist

Client Name: TRC - BROOKFIELD

Date/Time Received: 03-Dec-20 10:00

Work Order: 20120231

Received by: KRW

Checklist completed by Keith Wierenga 03-Dec-20
eSignature Date

Reviewed by: Chad Whelton 04-Dec-20
eSignature Date

Matrices: Water

Carrier name: FedEx

Shipping container/cooler in good condition? Yes No Not Present

Custody seals intact on shipping container/cooler? Yes No Not Present

Custody seals intact on sample bottles? Yes No Not Present

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No

Samples in proper container/bottle? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test? Yes No

All samples received within holding time? Yes No

Container/Temp Blank temperature in compliance? Yes No

Sample(s) received on ice? Yes No

Temperature(s)/Thermometer(s): 2.8/3.8 C IR3

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage: 12/3/2020 12:44:11 PM

Water - VOA vials have zero headspace? Yes No No VOA vials submitted

Water - pH acceptable upon receipt? Yes No N/A

pH adjusted? Yes No N/A

pH adjusted by:

Login Notes:

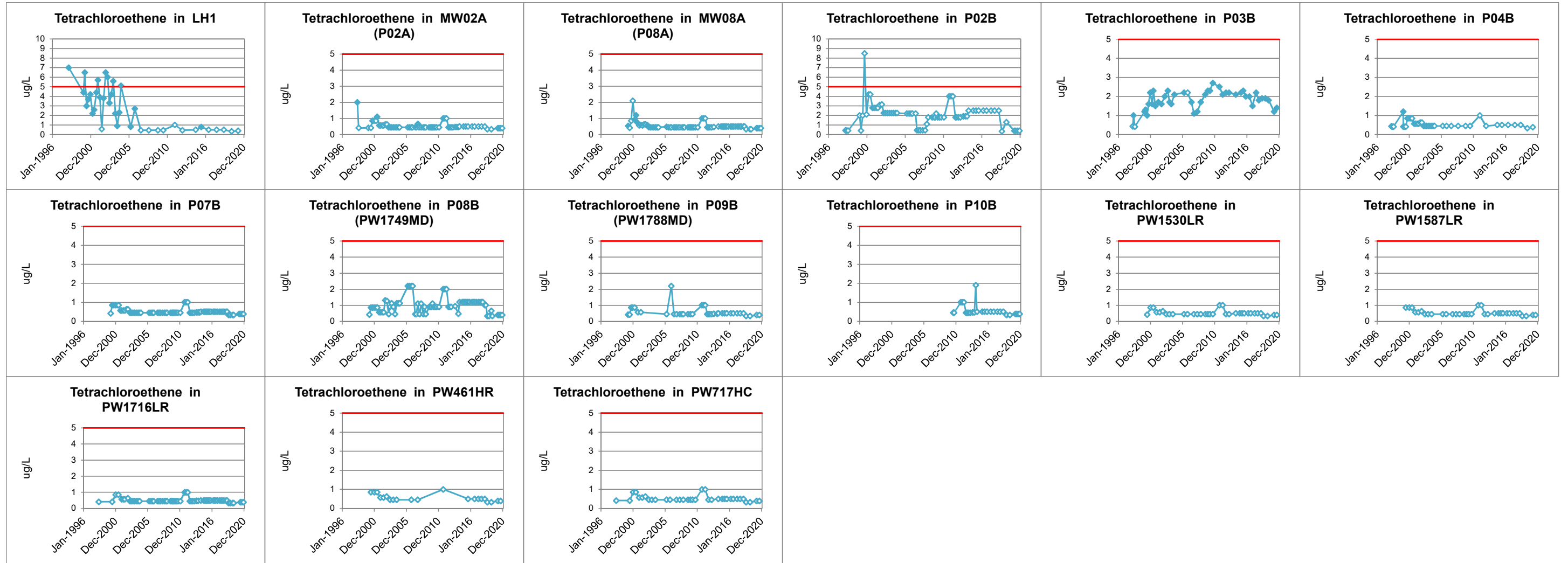
Client Contacted: Date Contacted: Person Contacted:

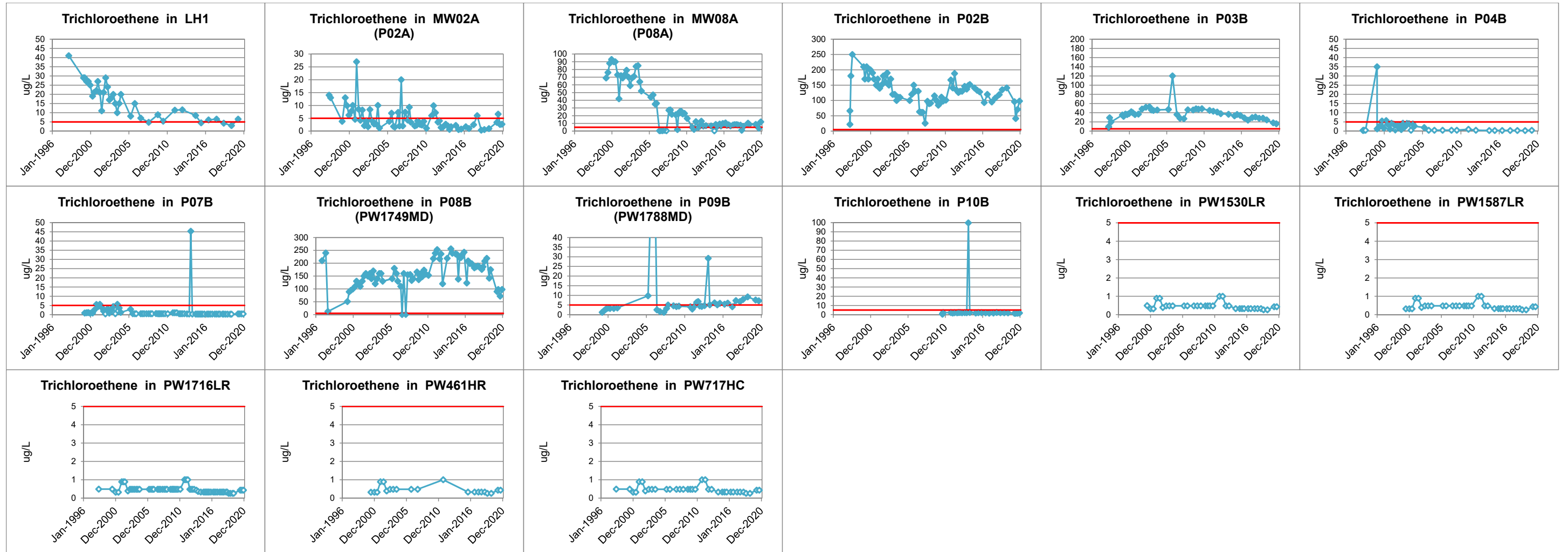
Contacted By: Regarding:

Comments:

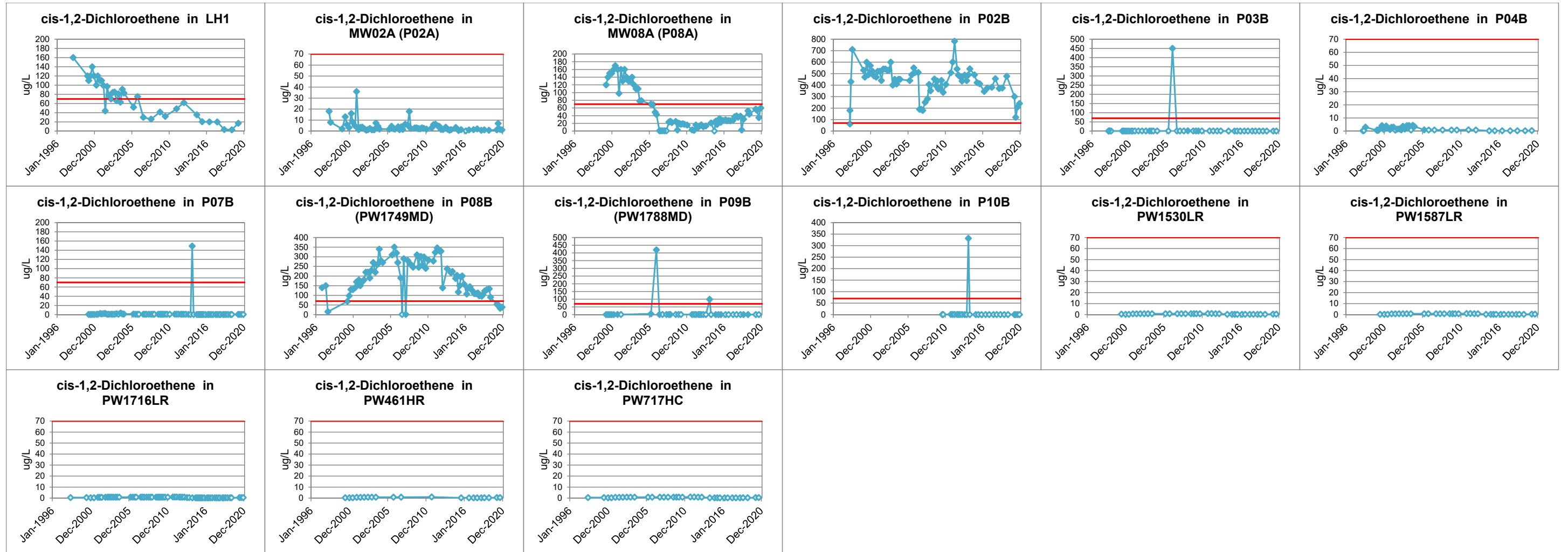
CorrectiveAction:

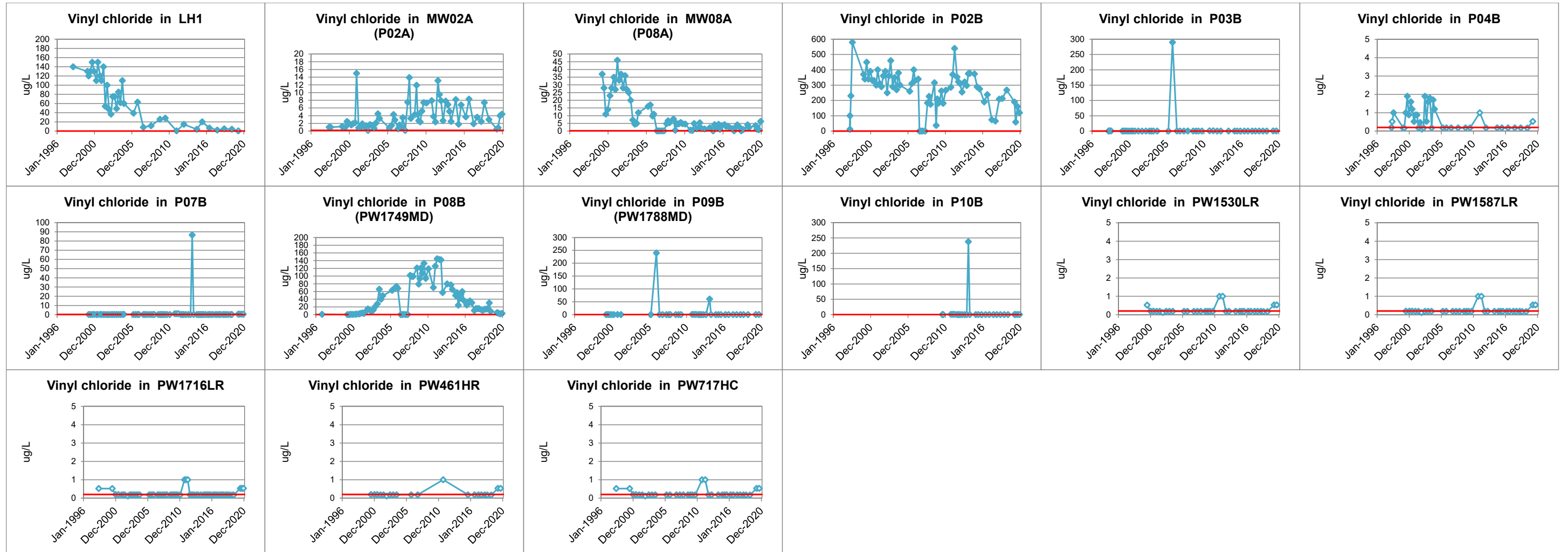
Appendix B: Concentration Trend Graphs





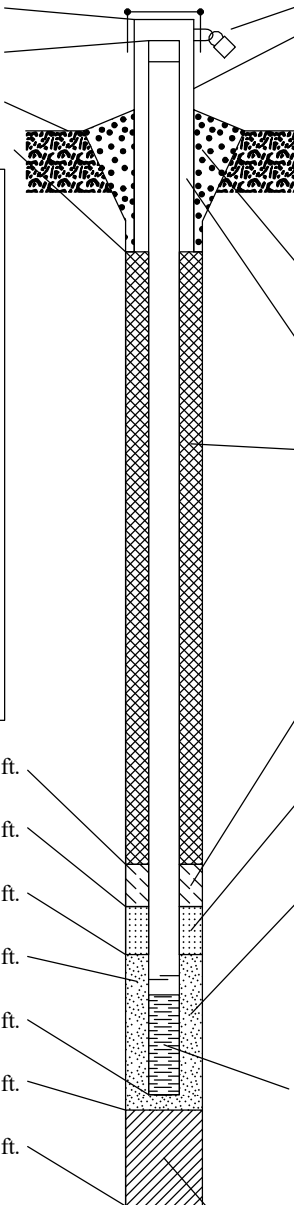
Note: Vertical scale for P09B graph is constrained to show recent concentration trends. P09B concentration of 110 ug/L on 12/14/2006 is not shown at current scale.





Appendix C: Shallow Groundwater Sampling Field Documentation

| | | | | | |
|--|--|--|--|---|--|
| Facility/Project Name Village of Grafton Lime Kiln Landfill | | Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W. | | Well Name SP-01a | |
| Facility License, Permit or Monitoring No. | | Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input checked="" type="checkbox"/> Lat. <u>43° 18' 9.5"</u> Long. <u>87° 57' 40.0"</u> or | | Wis. Unique Well No. _____ DNR Well Number _____ | |
| Facility ID 246036780 | | St. Plane <u>2,511,177</u> ft. N, <u>481,403</u> ft. E. <input checked="" type="checkbox"/> C/N | | Date Well Installed 09/29/2020 | |
| Type of Well Well Code 11/mw | | Section Location of Waste/Source <u>SW</u> 1/4 of <u>NW</u> 1/4 of Sec. <u>25</u> , T. <u>10</u> N, R. <u>21</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W | | Well Installed By: (Person's Name and Firm) Probe Technologies, Inc. | |
| Distance from Waste/Source _____ ft. | | Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known | | Gov. Lot Number _____ | |

| | |
|--|---|
| <p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation _____ ft. MSL</p> <p>C. Land surface elevation _____ ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p> <div style="border: 1px solid black; padding: 5px;"> <p>12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 Screen Point-16 Other <input checked="" type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Describe _____</p> <p>17. Source of water (attach analysis, if required): _____</p> </div> <p>E. Bentonite seal, top _____ ft. MSL or _____ ft.</p> <p>F. Fine sand, top _____ ft. MSL or _____ ft.</p> <p>G. Filter pack, top _____ ft. MSL or _____ ft.</p> <p>H. Screen joint, top _____ ft. MSL or <u>11.5</u> ft.</p> <p>I. Well bottom _____ ft. MSL or <u>14.5</u> ft.</p> <p>J. Filter pack, bottom _____ ft. MSL or _____ ft.</p> <p>K. Borehole, bottom _____ ft. MSL or <u>14.5</u> ft.</p> <p>L. Borehole, diameter <u>2.0</u> in.</p> <p>M. O.D. well casing <u>1.60</u> in.</p> <p>N. I.D. well casing <u>1.60</u> in.</p> |  <p>1. Cap and lock? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input type="checkbox"/> 04 Other <input checked="" type="checkbox"/></p> <p>d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input checked="" type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite . . . Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 32 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Steel Other <input checked="" type="checkbox"/></p> <p>10. Screen material: Steel a. Screen Type: Factory cut <input type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/></p> <p>b. Manufacturer _____ c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10.0</u> ft.</p> <p>11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input checked="" type="checkbox"/></p> |
|--|---|

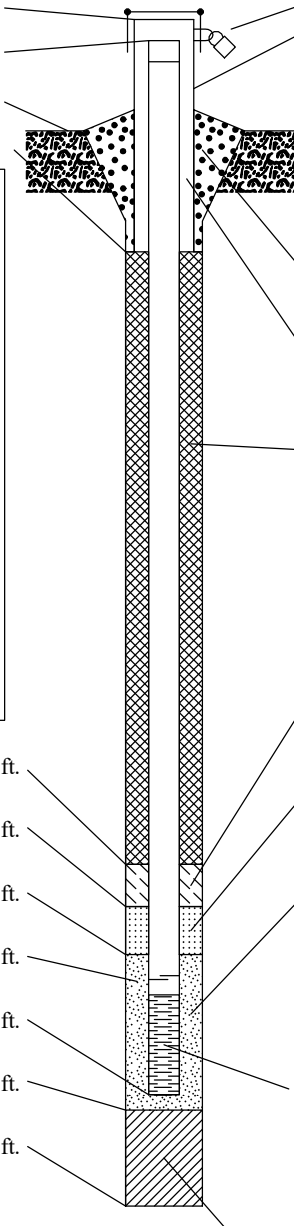
I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Ann Silke Firm TRC Tel: _____ Fax: _____

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

| | | | | | |
|--|--|--|--|---|--|
| Facility/Project Name Village of Grafton Lime Kiln Landfill | | Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W. | | Well Name SP-01b | |
| Facility License, Permit or Monitoring No. | | Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input checked="" type="checkbox"/> Lat. <u>43° 18' 9.6"</u> Long. <u>87° 57' 40.4"</u> or | | Wis. Unique Well No. _____ DNR Well Number _____ | |
| Facility ID 246036780 | | St. Plane <u>2,511,147</u> ft. N, <u>481,413</u> ft. E. <input checked="" type="checkbox"/> C/N | | Date Well Installed 09/30/2020 | |
| Type of Well Well Code 11/mw | | Section Location of Waste/Source <u>SW</u> 1/4 of <u>NW</u> 1/4 of Sec. <u>25</u> , T. <u>10</u> N, R. <u>21</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W | | Well Installed By: (Person's Name and Firm) Probe Technologies, Inc. | |
| Distance from Waste/Source _____ ft. | | Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known | | Gov. Lot Number _____ | |

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|--|---|
| <p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation _____ ft. MSL</p> <p>C. Land surface elevation _____ ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p> <div style="border: 1px solid black; padding: 5px;"> <p>12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 Screen Point-16 Other <input checked="" type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Describe _____</p> <p>17. Source of water (attach analysis, if required): _____</p> </div> <p>E. Bentonite seal, top _____ ft. MSL or _____ ft.</p> <p>F. Fine sand, top _____ ft. MSL or _____ ft.</p> <p>G. Filter pack, top _____ ft. MSL or _____ ft.</p> <p>H. Screen joint, top _____ ft. MSL or <u>11.2</u> ft.</p> <p>I. Well bottom _____ ft. MSL or <u>14.2</u> ft.</p> <p>J. Filter pack, bottom _____ ft. MSL or _____ ft.</p> <p>K. Borehole, bottom _____ ft. MSL or <u>14.2</u> ft.</p> <p>L. Borehole, diameter <u>2.0</u> in.</p> <p>M. O.D. well casing <u>1.60</u> in.</p> <p>N. I.D. well casing <u>1.60</u> in.</p> |  <p>1. Cap and lock? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input type="checkbox"/> 04 Other <input checked="" type="checkbox"/></p> <p>d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input checked="" type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite . . . Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 32 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Steel Other <input checked="" type="checkbox"/></p> <p>10. Screen material: Steel a. Screen Type: Factory cut <input type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/></p> <p>b. Manufacturer _____ c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10.0</u> ft.</p> <p>11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input checked="" type="checkbox"/></p> |
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Ann Silke Firm TRC Tel: _____ Fax: _____

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

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|--|--|--|--|---|--|
| Facility/Project Name Village of Grafton Lime Kiln Landfill | | Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W. | | Well Name SP-01c | |
| Facility License, Permit or Monitoring No. | | Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input checked="" type="checkbox"/> Lat. <u>43° 18' 9.0"</u> Long. <u>87° 57' 40.5"</u> or | | Wis. Unique Well No. _____ DNR Well Number _____ | |
| Facility ID 246036780 | | St. Plane <u>2,511,136</u> ft. N, <u>481,357</u> ft. E. <input checked="" type="checkbox"/> C/N | | Date Well Installed 09/30/2020 | |
| Type of Well Well Code 11/mw | | Section Location of Waste/Source <u>SW</u> 1/4 of <u>NW</u> 1/4 of Sec. <u>25</u> , T. <u>10</u> N, R. <u>21</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W | | Well Installed By: (Person's Name and Firm) Probe Technologies, Inc. | |
| Distance from Waste/Source _____ ft. | | Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known | | Gov. Lot Number _____ | |

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| <p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation _____ ft. MSL</p> <p>C. Land surface elevation _____ ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p> <div style="border: 1px solid black; padding: 5px;"> <p>12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 Screen Point-16 Other <input checked="" type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Describe _____</p> <p>17. Source of water (attach analysis, if required): _____</p> </div> <p>E. Bentonite seal, top _____ ft. MSL or _____ ft.</p> <p>F. Fine sand, top _____ ft. MSL or _____ ft.</p> <p>G. Filter pack, top _____ ft. MSL or _____ ft.</p> <p>H. Screen joint, top _____ ft. MSL or <u>11.5</u> ft.</p> <p>I. Well bottom _____ ft. MSL or <u>13.5</u> ft.</p> <p>J. Filter pack, bottom _____ ft. MSL or _____ ft.</p> <p>K. Borehole, bottom _____ ft. MSL or <u>13.5</u> ft.</p> <p>L. Borehole, diameter <u>2.0</u> in.</p> <p>M. O.D. well casing <u>1.60</u> in.</p> <p>N. I.D. well casing <u>1.60</u> in.</p> | | <p>1. Cap and lock? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input type="checkbox"/> 04 Other <input checked="" type="checkbox"/> d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite . . . Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 32 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Steel Other <input checked="" type="checkbox"/></p> <p>10. Screen material: Steel a. Screen Type: Factory cut <input type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/> b. Manufacturer _____ c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10.0</u> ft.</p> <p>11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input checked="" type="checkbox"/></p> |
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Ann Silke Firm TRC Tel: _____ Fax: _____

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

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|--|--|--|--|---|--|
| Facility/Project Name Village of Grafton Lime Kiln Landfill | | Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W. | | Well Name SP-02 | |
| Facility License, Permit or Monitoring No. | | Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input checked="" type="checkbox"/> Lat. <u>43° 18' 7.2"</u> Long. <u>87° 57' 40.6"</u> or | | Wis. Unique Well No. _____ DNR Well Number _____ | |
| Facility ID 246036780 | | St. Plane <u>2,511,133</u> ft. N, <u>481,173</u> ft. E. <input checked="" type="checkbox"/> C/N | | Date Well Installed 09/29/2020 | |
| Type of Well Well Code 11/mw | | Section Location of Waste/Source <u>SW</u> 1/4 of <u>NW</u> 1/4 of Sec. <u>25</u> , T. <u>10</u> N, R. <u>21</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W | | Well Installed By: (Person's Name and Firm) Probe Technologies, Inc. | |
| Distance from Waste/Source _____ ft. | | Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known | | Gov. Lot Number _____ | |

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|---|--|---|
| <p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation _____ ft. MSL</p> <p>C. Land surface elevation _____ ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 5 0 Hollow Stem Auger <input type="checkbox"/> 4 1 Screen Point-16 Other <input checked="" type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1 Drilling Mud <input type="checkbox"/> 0 3 None <input checked="" type="checkbox"/> 9 9</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Describe _____</p> <p>17. Source of water (attach analysis, if required): _____</p> </div> <p>E. Bentonite seal, top _____ ft. MSL or _____ ft.</p> <p>F. Fine sand, top _____ ft. MSL or _____ ft.</p> <p>G. Filter pack, top _____ ft. MSL or _____ ft.</p> <p>H. Screen joint, top _____ ft. MSL or <u>31.0</u> ft.</p> <p>I. Well bottom _____ ft. MSL or <u>34.0</u> ft.</p> <p>J. Filter pack, bottom _____ ft. MSL or _____ ft.</p> <p>K. Borehole, bottom _____ ft. MSL or <u>34.0</u> ft.</p> <p>L. Borehole, diameter <u>2.0</u> in.</p> <p>M. O.D. well casing <u>1.60</u> in.</p> <p>N. I.D. well casing <u>1.60</u> in.</p> | | <p>1. Cap and lock? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input type="checkbox"/> 0 4 Other <input checked="" type="checkbox"/></p> <p>d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input type="checkbox"/> 3 0 Concrete <input type="checkbox"/> 0 1 Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 3 0 Other <input checked="" type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 3 3 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 3 5 c. _____ Lbs/gal mud weight . . . Bentonite slurry <input type="checkbox"/> 3 1 d. _____ % Bentonite . . . Bentonite-cement grout <input type="checkbox"/> 5 0 e. _____ Ft³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 0 1 Tremie pumped <input type="checkbox"/> 0 2 Gravity <input type="checkbox"/> 0 8</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3 3 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 3 2 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input type="checkbox"/> 2 3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4 Steel Other <input checked="" type="checkbox"/></p> <p>10. Screen material: Steel a. Screen Type: Factory cut <input type="checkbox"/> 1 1 Continuous slot <input type="checkbox"/> 0 1 Other <input type="checkbox"/> b. Manufacturer _____ c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10.0</u> ft.</p> <p>11. Backfill material (below filter pack): None <input type="checkbox"/> 1 4 Other <input checked="" type="checkbox"/></p> |
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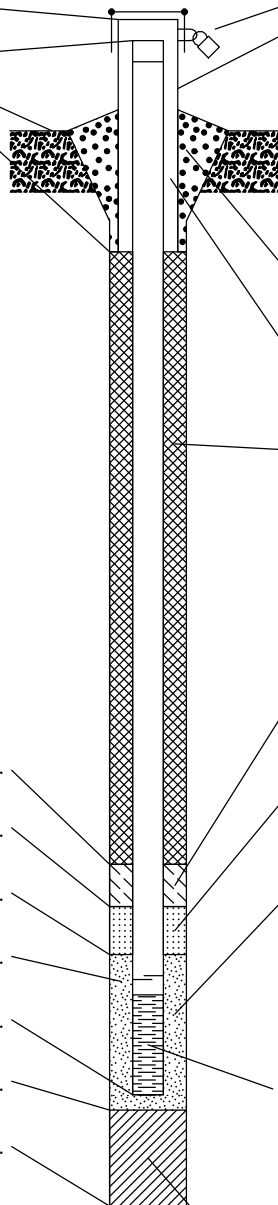
I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Ann Silke Firm TRC Tel: _____ Fax: _____

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

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|--|--|--|--|---|--|
| Facility/Project Name Village of Grafton Lime Kiln Landfill | | Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W. | | Well Name SP-03a | |
| Facility License, Permit or Monitoring No. | | Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input checked="" type="checkbox"/> Lat. <u>43° 18' 11.2"</u> Long. <u>87° 57' 10.9"</u> or | | Wis. Unique Well No. _____ DNR Well Number _____ | |
| Facility ID 246036780 | | St. Plane <u>2,513,324</u> ft. N, <u>481,632</u> ft. E. <input checked="" type="checkbox"/> C/N | | Date Well Installed 09/30/2020 | |
| Type of Well Well Code 11/mw | | Section Location of Waste/Source <u>SW</u> 1/4 of <u>NE</u> 1/4 of Sec. <u>25</u> , T. <u>10</u> N, R. <u>21</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W | | Well Installed By: (Person's Name and Firm) Probe Technologies, Inc. | |
| Distance from Waste/Source _____ ft. | | Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known | | Gov. Lot Number _____ | |

| | |
|---|---|
| <p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation _____ ft. MSL</p> <p>C. Land surface elevation _____ ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p> <div style="border: 1px solid black; padding: 5px;"> <p>12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 5 0 Hollow Stem Auger <input type="checkbox"/> 4 1 Geoprobe _____ Other <input checked="" type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1 Drilling Mud <input type="checkbox"/> 0 3 None <input checked="" type="checkbox"/> 9 9</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____</p> <p>17. Source of water (attach analysis, if required): _____</p> </div> <p>E. Bentonite seal, top _____ ft. MSL or <u>0.0</u> ft.</p> <p>F. Fine sand, top _____ ft. MSL or _____ ft.</p> <p>G. Filter pack, top _____ ft. MSL or <u>1.0</u> ft.</p> <p>H. Screen joint, top _____ ft. MSL or <u>35.0</u> ft.</p> <p>I. Well bottom _____ ft. MSL or <u>45.0</u> ft.</p> <p>J. Filter pack, bottom _____ ft. MSL or _____ ft.</p> <p>K. Borehole, bottom _____ ft. MSL or <u>45.0</u> ft.</p> <p>L. Borehole, diameter <u>2.0</u> in.</p> <p>M. O.D. well casing <u>1.00</u> in.</p> <p>N. I.D. well casing <u>1.00</u> in.</p> |  <p>1. Cap and lock? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input type="checkbox"/> 0 4 Other <input checked="" type="checkbox"/></p> <p>d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input type="checkbox"/> 3 0 Concrete <input type="checkbox"/> 0 1 Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 3 0 Other <input checked="" type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 3 3 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 3 5 c. _____ Lbs/gal mud weight . . . Bentonite slurry <input type="checkbox"/> 3 1 d. _____ % Bentonite . . . Bentonite-cement grout <input type="checkbox"/> 5 0 e. _____ Ft³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 0 1 Tremie pumped <input type="checkbox"/> 0 2 Gravity <input type="checkbox"/> 0 8</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3 3 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 3 2 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2 3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4 Other <input type="checkbox"/></p> <p>10. Screen material: PVC a. Screen Type: Factory cut <input checked="" type="checkbox"/> 1 1 Continuous slot <input type="checkbox"/> 0 1 Other <input type="checkbox"/></p> <p>b. Manufacturer _____ c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10.0</u> ft.</p> <p>11. Backfill material (below filter pack): None <input type="checkbox"/> 1 4 Other <input checked="" type="checkbox"/></p> |
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Ann Silke Firm TRC Tel: _____ Fax: _____

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

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|--|--|--|--|---|--|
| Facility/Project Name Village of Grafton Lime Kiln Landfill | | Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W. | | Well Name SP-03b | |
| Facility License, Permit or Monitoring No. | | Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input checked="" type="checkbox"/> Lat. <u>43° 18' 11.2"</u> Long. <u>87° 57' 10.6"</u> or | | Wis. Unique Well No. _____ DNR Well Number _____ | |
| Facility ID 246036780 | | St. Plane <u>2,513,345</u> ft. N, <u>481,635</u> ft. E. <input checked="" type="checkbox"/> C/N | | Date Well Installed 09/30/2020 | |
| Type of Well Well Code 11/mw | | Section Location of Waste/Source <u>SW</u> 1/4 of <u>NE</u> 1/4 of Sec. <u>25</u> , T. <u>10</u> N, R. <u>21</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W | | Well Installed By: (Person's Name and Firm) Probe Technologies, Inc. | |
| Distance from Waste/Source _____ ft. | | Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known | | Gov. Lot Number _____ | |

| | | |
|---|--|---|
| <p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation _____ ft. MSL</p> <p>C. Land surface elevation _____ ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p> <div style="border: 1px solid black; padding: 5px;"> <p>12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 5 0 Hollow Stem Auger <input type="checkbox"/> 4 1 Screen Point-16 Other <input checked="" type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1 Drilling Mud <input type="checkbox"/> 0 3 None <input checked="" type="checkbox"/> 9 9</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Describe _____</p> <p>17. Source of water (attach analysis, if required): _____</p> </div> <p>E. Bentonite seal, top _____ ft. MSL or _____ ft.</p> <p>F. Fine sand, top _____ ft. MSL or _____ ft.</p> <p>G. Filter pack, top _____ ft. MSL or _____ ft.</p> <p>H. Screen joint, top _____ ft. MSL or <u>37.0</u> ft.</p> <p>I. Well bottom _____ ft. MSL or <u>40.0</u> ft.</p> <p>J. Filter pack, bottom _____ ft. MSL or _____ ft.</p> <p>K. Borehole, bottom _____ ft. MSL or <u>40.0</u> ft.</p> <p>L. Borehole, diameter <u>2.0</u> in.</p> <p>M. O.D. well casing <u>1.60</u> in.</p> <p>N. I.D. well casing <u>1.60</u> in.</p> | | <p>1. Cap and lock? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input type="checkbox"/> 0 4 Other <input checked="" type="checkbox"/></p> <p>d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input type="checkbox"/> 3 0 Concrete <input type="checkbox"/> 0 1 Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 3 0 Other <input checked="" type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 3 3 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 3 5 c. _____ Lbs/gal mud weight . . . Bentonite slurry <input type="checkbox"/> 3 1 d. _____ % Bentonite . . . Bentonite-cement grout <input type="checkbox"/> 5 0 e. _____ Ft³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 0 1 Tremie pumped <input type="checkbox"/> 0 2 Gravity <input type="checkbox"/> 0 8</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3 3 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 3 2 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input type="checkbox"/> 2 3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4 Steel Other <input checked="" type="checkbox"/></p> <p>10. Screen material: Steel a. Screen Type: Factory cut <input type="checkbox"/> 1 1 Continuous slot <input type="checkbox"/> 0 1 Other <input type="checkbox"/></p> <p>b. Manufacturer _____ c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10.0</u> ft.</p> <p>11. Backfill material (below filter pack): None <input type="checkbox"/> 1 4 Other <input checked="" type="checkbox"/></p> |
|---|--|---|

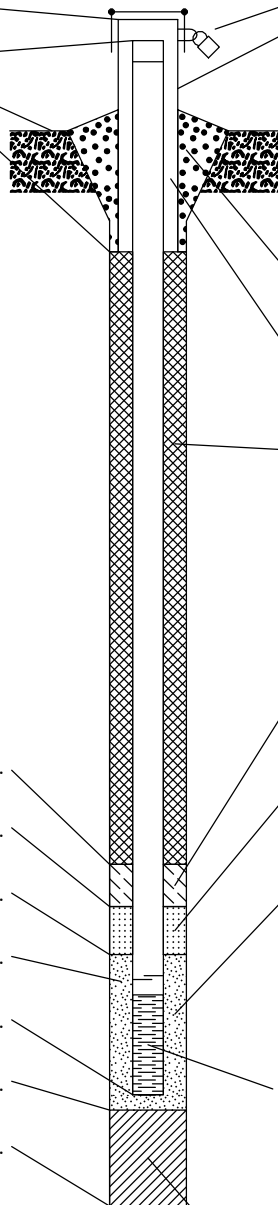
I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Ann Silke Firm TRC Tel: _____ Fax: _____

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

| | | | | | |
|--|--|--|--|---|--|
| Facility/Project Name Village of Grafton Lime Kiln Landfill | | Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W. | | Well Name SP-04a | |
| Facility License, Permit or Monitoring No. | | Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input checked="" type="checkbox"/> Lat. <u>43° 18' 9.6"</u> Long. <u>87° 57' 14.7"</u> or | | Wis. Unique Well No. _____ DNR Well Number _____ | |
| Facility ID 246036780 | | St. Plane <u>2,513,044</u> ft. N, <u>481,463</u> ft. E. <input checked="" type="checkbox"/> C/N | | Date Well Installed 09/30/2020 | |
| Type of Well Well Code 11/mw | | Section Location of Waste/Source <u>SW</u> 1/4 of <u>NE</u> 1/4 of Sec. <u>25</u> , T. <u>10</u> N, R. <u>21</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W | | Well Installed By: (Person's Name and Firm) Probe Technologies, Inc. | |
| Distance from Waste/Source _____ ft. | | Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known | | Gov. Lot Number _____ | |

| | |
|--|--|
| <p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation _____ ft. MSL</p> <p>C. Land surface elevation _____ ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p> <div style="border: 1px solid black; padding: 5px;"> <p>12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 5 0 Hollow Stem Auger <input type="checkbox"/> 4 1 Screen Point-16 Other <input checked="" type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1 Drilling Mud <input type="checkbox"/> 0 3 None <input checked="" type="checkbox"/> 9 9</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Describe _____</p> <p>17. Source of water (attach analysis, if required): _____</p> </div> <p>E. Bentonite seal, top _____ ft. MSL or _____ ft.</p> <p>F. Fine sand, top _____ ft. MSL or _____ ft.</p> <p>G. Filter pack, top _____ ft. MSL or _____ ft.</p> <p>H. Screen joint, top _____ ft. MSL or <u>35.6</u> ft.</p> <p>I. Well bottom _____ ft. MSL or <u>38.6</u> ft.</p> <p>J. Filter pack, bottom _____ ft. MSL or _____ ft.</p> <p>K. Borehole, bottom _____ ft. MSL or <u>38.6</u> ft.</p> <p>L. Borehole, diameter <u>2.0</u> in.</p> <p>M. O.D. well casing <u>1.60</u> in.</p> <p>N. I.D. well casing <u>1.60</u> in.</p> |  <p>1. Cap and lock? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input type="checkbox"/> 0 4 Other <input checked="" type="checkbox"/></p> <p>d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input type="checkbox"/> 3 0 Concrete <input type="checkbox"/> 0 1 Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 3 0 Other <input checked="" type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 3 3 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 3 5 c. _____ Lbs/gal mud weight . . . Bentonite slurry <input type="checkbox"/> 3 1 d. _____ % Bentonite . . . Bentonite-cement grout <input type="checkbox"/> 5 0 e. _____ Ft³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 0 1 Tremie pumped <input type="checkbox"/> 0 2 Gravity <input type="checkbox"/> 0 8</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3 3 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 3 2 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input type="checkbox"/> 2 3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4 Steel Other <input checked="" type="checkbox"/></p> <p>10. Screen material: Steel a. Screen Type: Factory cut <input type="checkbox"/> 1 1 Continuous slot <input type="checkbox"/> 0 1 Other <input type="checkbox"/></p> <p>b. Manufacturer _____ c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10.0</u> ft.</p> <p>11. Backfill material (below filter pack): None <input type="checkbox"/> 1 4 Other <input checked="" type="checkbox"/></p> |
|--|--|

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Ann Silke Firm TRC Tel: _____ Fax: _____

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

| | | | | | |
|--|--|--|--|---|--|
| Facility/Project Name Village of Grafton Lime Kiln Landfill | | Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W. | | Well Name SP-04b | |
| Facility License, Permit or Monitoring No. | | Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input checked="" type="checkbox"/> Lat. <u>43° 18' 9.8"</u> Long. <u>87° 57' 14.4"</u> or | | Wis. Unique Well No. _____ DNR Well Number _____ | |
| Facility ID 246036780 | | St. Plane <u>2,513,066</u> ft. N, <u>481,487</u> ft. E. <input checked="" type="checkbox"/> C/N | | Date Well Installed 09/30/2020 | |
| Type of Well Well Code 11/mw | | Section Location of Waste/Source <u>SW</u> 1/4 of <u>NE</u> 1/4 of Sec. <u>25</u> , T. <u>10</u> N, R. <u>21</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W | | Well Installed By: (Person's Name and Firm) Probe Technologies, Inc. | |
| Distance from Waste/Source _____ ft. | | Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known | | Gov. Lot Number _____ | |

A. Protective pipe, top elevation _____ ft. MSL
 B. Well casing, top elevation _____ ft. MSL
 C. Land surface elevation _____ ft. MSL
 D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
 GP GM GC GW SW SP
 SM SC ML MH CL CH
 Bedrock

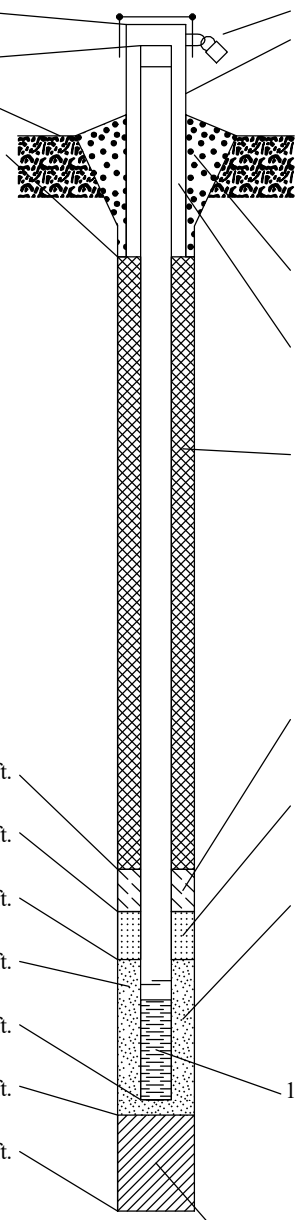
13. Sieve analysis attached? Yes No

14. Drilling method used: Rotary 5 0
 Hollow Stem Auger 4 1
 Screen Point-16 Other

15. Drilling fluid used: Water 0 2 Air 0 1
 Drilling Mud 0 3 None 9 9

16. Drilling additives used? Yes No
 Describe _____

17. Source of water (attach analysis, if required):



1. Cap and lock? Yes No

2. Protective cover pipe:
 a. Inside diameter: _____ in.
 b. Length: _____ ft.
 c. Material: Steel 0 4
 Other

d. Additional protection? Yes No
 If yes, describe: _____

3. Surface seal: Bentonite 3 0
 Concrete 0 1
 Other

4. Material between well casing and protective pipe:
 Bentonite 3 0
 Other

5. Annular space seal: a. Granular/Chipped Bentonite 3 3
 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry 3 5
 c. _____ Lbs/gal mud weight . . . Bentonite slurry 3 1
 d. _____ % Bentonite . . . Bentonite-cement grout 5 0
 e. _____ Ft³ volume added for any of the above
 f. How installed: Tremie 0 1
 Tremie pumped 0 2
 Gravity 0 8

6. Bentonite seal: a. Bentonite granules 3 3
 b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 3 2
 c. _____ Other

7. Fine sand material: Manufacturer, product name & mesh size
 a. _____
 b. Volume added _____ ft³

8. Filter pack material: Manufacturer, product name & mesh size
 a. _____
 b. Volume added _____ ft³

9. Well casing: Flush threaded PVC schedule 40 2 3
 Flush threaded PVC schedule 80 2 4
 Steel Other

10. Screen material: Steel
 a. Screen Type: Factory cut 1 1
 Continuous slot 0 1
 Other

b. Manufacturer _____
 c. Slot size: 0.010 in.
 d. Slotted length: 10.0 ft.

11. Backfill material (below filter pack): None 1 4
 Other

E. Bentonite seal, top _____ ft. MSL or _____ ft.
 F. Fine sand, top _____ ft. MSL or _____ ft.
 G. Filter pack, top _____ ft. MSL or _____ ft.
 H. Screen joint, top _____ ft. MSL or 33.0 ft.
 I. Well bottom _____ ft. MSL or 36.0 ft.
 J. Filter pack, bottom _____ ft. MSL or _____ ft.
 K. Borehole, bottom _____ ft. MSL or 36.0 ft.
 L. Borehole, diameter 2.0 in.
 M. O.D. well casing 1.60 in.
 N. I.D. well casing 1.60 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.
 Signature Thomas Silke Firm TRC Tel: _____ Fax: _____

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other _____

1. Well Location Information **2. Facility / Owner Information**

| | | | | | | | | | |
|--|--|---|--|---|--|---|--|--|--|
| County Ozaukee | | WI Unique Well # of Removed Well (SP-01a) | | Hicap # | | Facility Name Village of Grafton Lime Kiln Landfill | | | |
| Latitude / Longitude (see instructions) 43.30263 ° N -87.96110 ° W | | Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM | | Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001 | | Facility ID (FID or PWS) 246036780 | | | |
| 1/4 / 1/4 SW or Gov't Lot # | | 1/4 NW | | Section 25 | | Township 10 | | Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W | |
| Well Street Address | | | | | | Original Well Owner | | | |
| Well City, Village or Town Grafton | | | | | | Present Well Owner Village of Grafton | | | |
| Subdivision Name | | | | | | Well ZIP Code 860 Badger Circle | | | |
| Reason For Removal From Service | | | | | | WI Unique Well # of Replacement Well | | City of Present Owner Grafton | |
| | | | | | | | | State WI | |
| | | | | | | | | ZIP Code 53024 | |

3. Filled & Sealed Well / Drillhole / Borehole Information

| | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole | | Original Construction Date (mm/dd/yyyy) 09/29/2020 | |
| Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____ | | If a Well Construction Report is available, please attach. | |
| Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock | | | |
| Total Well Depth From Ground Surface (ft) 14.5 | | Casing Diameter (in.) 1.60 | |
| Lower Drillhole Diameter (in.) 1.6 | | Casing Depth (ft.) 14.5 | |
| Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown | | | |
| If yes, to what depth (feet)? | | Depth to Water (feet) | |

4. Pump, Liner, Screen, Casing & Sealing Material

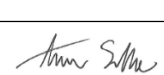
| | | | |
|--|---|---|---|
| Pump and piping removed? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| Liner(s) removed? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Liner(s) perforated? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Screen removed? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Casing left in place? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> N/A |
| Was casing cut off below surface? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| Did sealing material rise to surface? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Did material settle after 24 hours? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> N/A |
| If yes, was hole retopped? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| If bentonite chips were used, were they hydrated with water from a known safe source | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| Required Method of Placing Sealing Material | | | |
| <input type="checkbox"/> Conductor Pipe-Gravity | | <input type="checkbox"/> Conductor Pipe-Pumped | |
| <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) | | <input type="checkbox"/> Other (Explain) | |
| Sealing Materials | | | |
| <input type="checkbox"/> Neat Cement Grout | | <input type="checkbox"/> Concrete | |
| <input type="checkbox"/> Sand-Cement (Concrete) Grout | | <input checked="" type="checkbox"/> Bentonite Chips | |
| For Monitoring Wells and Monitoring Well Boreholes Only: | | | |
| <input checked="" type="checkbox"/> Bentonite Chips | | <input type="checkbox"/> Bentonite - Cement Grout | |
| <input type="checkbox"/> Granular Bentonite | | <input type="checkbox"/> Bentonite - Sand Slurry | |

5. Material Used to Fill Well / Drillhole

| | From (ft.) | To (ft.) | No. Yards, Sacks Sealant or Volume (circle one) | Mix Ratio or Mud Weight |
|-----------------|------------|----------|---|-------------------------|
| Bentonite Chips | Surface | 14.5 | 0.5 sacks | |
| | | | | |

6. Comments

7. Supervision of Work **DNR Use Only**

| | | | | | |
|---|--------------------|---|---|--------------------------------|----------|
| Name of Person or Firm Doing Filling & Sealing Probe Technologies | | License # | Date of Filling & Sealing or Verification (mm/dd/yyyy) 09/29/2020 | Date Received | Noted By |
| Street or Route 7781 Pathfinder Lane | | Telephone Number 262-470-4768 | | Comments | |
| City West Bend | State WI | ZIP Code 53090 | Signature of Person Doing Work  | Date Signed 2/1/2021 | |

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other _____

1. Well Location Information **2. Facility / Owner Information**

| | | | | | | | | | |
|--|--|---|--|---|--|---|--|--|--|
| County Ozaukee | | WI Unique Well # of Removed Well (SP-01b) | | Hicap # | | Facility Name Village of Grafton Lime Kiln Landfill | | | |
| Latitude / Longitude (see instructions) 43.30266 ° N -87.96121 ° W | | Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM | | Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001 | | Facility ID (FID or PWS) 246036780 | | | |
| 1/4 SW or Gov't Lot # | | 1/4 NW | | Section 25 | | Township 10 | | Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W | |
| Well Street Address | | | | | | Original Well Owner | | | |
| Well City, Village or Town Grafton | | | | | | Present Well Owner Village of Grafton | | | |
| Subdivision Name | | | | | | Well ZIP Code 860 Badger Circle | | | |
| Reason For Removal From Service | | | | | | WI Unique Well # of Replacement Well | | City of Present Owner Grafton | |
| | | | | | | | | State WI | |
| | | | | | | | | ZIP Code 53024 | |

3. Filled & Sealed Well / Drillhole / Borehole Information

| | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole | | Original Construction Date (mm/dd/yyyy) 09/30/2020 | |
| Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____ | | If a Well Construction Report is available, please attach. | |
| Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock | | | |
| Total Well Depth From Ground Surface (ft) 14.2 | | Casing Diameter (in.) 1.60 | |
| Lower Drillhole Diameter (in.) 1.6 | | Casing Depth (ft.) 14.2 | |
| Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown | | | |
| If yes, to what depth (feet)? | | Depth to Water (feet) | |

4. Pump, Liner, Screen, Casing & Sealing Material


| | | | |
|--|---|---|---|
| Pump and piping removed? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| Liner(s) removed? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Liner(s) perforated? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Screen removed? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Casing left in place? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> N/A |
| Was casing cut off below surface? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| Did sealing material rise to surface? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Did material settle after 24 hours? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> N/A |
| If yes, was hole retopped? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| If bentonite chips were used, were they hydrated with water from a known safe source | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| Required Method of Placing Sealing Material | | | |
| <input type="checkbox"/> Conductor Pipe-Gravity | | <input type="checkbox"/> Conductor Pipe-Pumped | |
| <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) | | <input type="checkbox"/> Other (Explain) | |
| Sealing Materials | | | |
| <input type="checkbox"/> Neat Cement Grout | | <input type="checkbox"/> Concrete | |
| <input type="checkbox"/> Sand-Cement (Concrete) Grout | | <input checked="" type="checkbox"/> Bentonite Chips | |
| For Monitoring Wells and Monitoring Well Boreholes Only: | | | |
| <input checked="" type="checkbox"/> Bentonite Chips | | <input type="checkbox"/> Bentonite - Cement Grout | |
| <input type="checkbox"/> Granular Bentonite | | <input type="checkbox"/> Bentonite - Sand Slurry | |

5. Material Used to Fill Well / Drillhole

| | From (ft.) | To (ft.) | No. Yards, Sacks Sealant or Volume (circle one) | Mix Ratio or Mud Weight |
|-----------------|------------|----------|---|-------------------------|
| Bentonite Chips | Surface | 14.2 | 0.5 sacks | |
| | | | | |
| | | | | |

6. Comments

7. Supervision of Work **DNR Use Only**

| | | | | | |
|---|--------------------|---|---|--------------------------------|----------|
| Name of Person or Firm Doing Filling & Sealing Probe Technologies | | License # | Date of Filling & Sealing or Verification (mm/dd/yyyy) 09/30/2020 | Date Received | Noted By |
| Street or Route 7781 Pathfinder Lane | | Telephone Number 262-470-4768 | | Comments | |
| City West Bend | State WI | ZIP Code 53090 | Signature of Person Doing Work  | Date Signed 2/1/2021 | |

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other _____

1. Well Location Information **2. Facility / Owner Information**

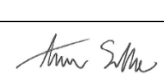
| | | | | | | | | | | | | | |
|--|--|---|--|---|--|---|--|--|--|-----------------------------|--|--------------------------|--|
| County Ozaukee | | WI Unique Well # of Removed Well (SP-01c) | | Hicap # | | Facility Name Village of Grafton Lime Kiln Landfill | | | | | | | |
| Latitude / Longitude (see instructions) 43.30251 ° N -87.96126 ° W | | | | Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM | | Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001 | | Facility ID (FID or PWS) 246036780 | | License/Permit/Monitoring # | | | |
| ¼ / ¼ SW or Gov't Lot # | | ¼ NW | | Section 25 | | Township 10 | | Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W | | Original Well Owner | | | |
| Well Street Address | | | | | | Present Well Owner Village of Grafton | | | | | | | |
| Well City, Village or Town Grafton | | | | | | Well ZIP Code 860 Badger Circle | | | | | | | |
| Subdivision Name | | | | | | City of Present Owner Grafton | | | | State WI | | ZIP Code 53024 | |

3. Filled & Sealed Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

| | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|-----------------------------------|--|---|--|
| Reason For Removal From Service | | WI Unique Well # of Replacement Well | | Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Screen removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Casing left in place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | | | | | | | |
| <input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole | | Original Construction Date (mm/dd/yyyy) 09/30/2020 | | Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain) | | | | | | | |
| Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____ | | If a Well Construction Report is available, please attach. | | Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips | | | | | | | |
| Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock | | Total Well Depth From Ground Surface (ft) 13.5 | | Casing Diameter (in.) 1.60 | | Lower Drillhole Diameter (in.) 1.6 | | Casing Depth (ft.) 13.5 | | For Monitoring Wells and Monitoring Well Boreholes Only: <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry | |
| Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown | | If yes, to what depth (feet)? | | Depth to Water (feet) | | | | | | | |

| 5. Material Used to Fill Well / Drillhole | From (ft.) | To (ft.) | No. Yards, Sacks Sealant or Volume (circle one) | Mix Ratio or Mud Weight |
|---|------------|----------|---|-------------------------|
| Bentonite Chips | Surface | 13.5 | 0.5 sacks | |
| | | | | |

6. Comments

| | | | | | |
|---|--|--------------------|---|---|--------------------------------|
| 7. Supervision of Work | | | | DNR Use Only | |
| Name of Person or Firm Doing Filling & Sealing Probe Technologies | | License # | Date of Filling & Sealing or Verification (mm/dd/yyyy) 09/30/2020 | Date Received | Noted By |
| Street or Route 7781 Pathfinder Lane | | | Telephone Number 262-470-4768 | Comments | |
| City West Bend | | State WI | ZIP Code 53090 | Signature of Person Doing Work  | Date Signed 2/1/2021 |

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Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other _____

1. Well Location Information **2. Facility / Owner Information**

| | | | | | | | | | |
|--|--|---|--|---|--|---|--|--|--|
| County Ozaukee | | WI Unique Well # of Removed Well (SP-02) | | Hicap # | | Facility Name Village of Grafton Lime Kiln Landfill | | | |
| Latitude / Longitude (see instructions) 43.30200 ° N -87.96129 ° W | | Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM | | Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001 | | Facility ID (FID or PWS) 246036780 | | | |
| 1/4 SW or Gov't Lot # | | 1/4 NW | | Section 25 | | Township 10 | | Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W | |
| Well Street Address | | | | | | Original Well Owner | | | |
| Well City, Village or Town Grafton | | | | | | Present Well Owner Village of Grafton | | | |
| Subdivision Name | | | | | | Well ZIP Code 860 Badger Circle | | | |
| Reason For Removal From Service | | | | | | WI Unique Well # of Replacement Well | | City of Present Owner Grafton | |
| | | | | | | | | State WI | |
| | | | | | | | | ZIP Code 53024 | |

3. Filled & Sealed Well / Drillhole / Borehole Information

| | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole | | Original Construction Date (mm/dd/yyyy) 09/29/2020 | |
| Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____ | | If a Well Construction Report is available, please attach. | |
| Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock | | | |
| Total Well Depth From Ground Surface (ft) 34.0 | | Casing Diameter (in.) 1.60 | |
| Lower Drillhole Diameter (in.) 1.6 | | Casing Depth (ft.) 34.0 | |
| Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown | | | |
| If yes, to what depth (feet)? | | Depth to Water (feet) 13.3 | |

4. Pump, Liner, Screen, Casing & Sealing Material

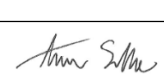
| | | | |
|--|---|--|---|
| Pump and piping removed? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| Liner(s) removed? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Liner(s) perforated? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Screen removed? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Casing left in place? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> N/A |
| Was casing cut off below surface? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| Did sealing material rise to surface? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Did material settle after 24 hours? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> N/A |
| If yes, was hole retopped? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| If bentonite chips were used, were they hydrated with water from a known safe source | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| Required Method of Placing Sealing Material | | | |
| <input type="checkbox"/> Conductor Pipe-Gravity | <input type="checkbox"/> Conductor Pipe-Pumped | | |
| <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) | <input type="checkbox"/> Other (Explain) | | |
| Sealing Materials | | | |
| <input type="checkbox"/> Neat Cement Grout | <input type="checkbox"/> Concrete | | |
| <input type="checkbox"/> Sand-Cement (Concrete) Grout | <input checked="" type="checkbox"/> Bentonite Chips | | |
| For Monitoring Wells and Monitoring Well Boreholes Only: | | | |
| <input checked="" type="checkbox"/> Bentonite Chips | <input type="checkbox"/> Bentonite - Cement Grout | | |
| <input type="checkbox"/> Granular Bentonite | <input type="checkbox"/> Bentonite - Sand Slurry | | |

5. Material Used to Fill Well / Drillhole

| | From (ft.) | To (ft.) | No. Yards, Sacks Sealant or Volume (circle one) | Mix Ratio or Mud Weight |
|-----------------|------------|----------|---|-------------------------|
| Bentonite Chips | Surface | 34.0 | 1 sacks | |
| | | | | |
| | | | | |

6. Comments

7. Supervision of Work **DNR Use Only**

| | | | | | |
|---|--------------------|---|---|--------------------------------|----------|
| Name of Person or Firm Doing Filling & Sealing Probe Technologies | | License # | Date of Filling & Sealing or Verification (mm/dd/yyyy) 09/29/2020 | Date Received | Noted By |
| Street or Route 7781 Pathfinder Lane | | Telephone Number 262-470-4768 | | Comments | |
| City West Bend | State WI | ZIP Code 53090 | Signature of Person Doing Work  | Date Signed 2/1/2021 | |

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Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other _____

1. Well Location Information **2. Facility / Owner Information**

| | | | | | | | | | |
|--|--|---|--|---|--|---|--|--|--|
| County Ozaukee | | WI Unique Well # of Removed Well (SP-03a) | | Hicap # | | Facility Name Village of Grafton Lime Kiln Landfill | | | |
| Latitude / Longitude (see instructions) 43.30312 ° N -87.95302 ° W | | | | Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM | | Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001 | | Facility ID (FID or PWS) 246036780 | |
| 1/4 1/4 SW or Gov't Lot # | | 1/4 NE | | Section 25 | | Township 10 | | Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W | |
| Well Street Address | | | | | | Original Well Owner | | | |
| Well City, Village or Town Grafton | | | | | | Present Well Owner Village of Grafton | | | |
| Subdivision Name | | | | | | Well ZIP Code 860 Badger Circle | | | |
| Reason For Removal From Service | | | | | | WI Unique Well # of Replacement Well | | City of Present Owner Grafton | |
| | | | | | | | | State WI | |
| | | | | | | | | ZIP Code 53024 | |

3. Filled & Sealed Well / Drillhole / Borehole Information

| | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole | | Original Construction Date (mm/dd/yyyy) 09/30/2020 | |
| Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____ | | If a Well Construction Report is available, please attach. | |
| Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock | | | |
| Total Well Depth From Ground Surface (ft) 45.0 | | Casing Diameter (in.) 1.00 | |
| Lower Drillhole Diameter (in.) 1.6 | | Casing Depth (ft.) 45.0 | |
| Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown | | | |
| If yes, to what depth (feet)? | | Depth to Water (feet) | |

4. Pump, Liner, Screen, Casing & Sealing Material


| | | | |
|--|---|---|---|
| Pump and piping removed? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| Liner(s) removed? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Liner(s) perforated? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Screen removed? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Casing left in place? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> N/A |
| Was casing cut off below surface? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| Did sealing material rise to surface? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Did material settle after 24 hours? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> N/A |
| If yes, was hole retopped? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| If bentonite chips were used, were they hydrated with water from a known safe source | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| Required Method of Placing Sealing Material | | | |
| <input type="checkbox"/> Conductor Pipe-Gravity | | <input type="checkbox"/> Conductor Pipe-Pumped | |
| <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) | | <input type="checkbox"/> Other (Explain) | |
| Sealing Materials | | | |
| <input type="checkbox"/> Neat Cement Grout | | <input type="checkbox"/> Concrete | |
| <input type="checkbox"/> Sand-Cement (Concrete) Grout | | <input checked="" type="checkbox"/> Bentonite Chips | |
| For Monitoring Wells and Monitoring Well Boreholes Only: | | | |
| <input checked="" type="checkbox"/> Bentonite Chips | | <input type="checkbox"/> Bentonite - Cement Grout | |
| <input type="checkbox"/> Granular Bentonite | | <input type="checkbox"/> Bentonite - Sand Slurry | |

5. Material Used to Fill Well / Drillhole

| | From (ft.) | To (ft.) | No. Yards, Sacks Sealant or Volume (circle one) | Mix Ratio or Mud Weight |
|-----------------|------------|----------|---|-------------------------|
| Bentonite Chips | Surface | 45.0 | 1.5 sacks | |
| | | | | |

6. Comments

7. Supervision of Work **DNR Use Only**

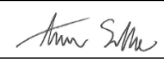
| | | | | | |
|---|--------------------|--------------------------|---|--------------------------------|----------|
| Name of Person or Firm Doing Filling & Sealing Probe Technologies | | License # | Date of Filling & Sealing or Verification (mm/dd/yyyy) 12/01/2020 | Date Received | Noted By |
| Street or Route 7781 Pathfinder Lane | | | Telephone Number 262-470-4768 | Comments | |
| City West Bend | State WI | ZIP Code 53090 | Signature of Person Doing Work  | Date Signed 2/1/2021 | |

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Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other _____

| 1. Well Location Information | | | | 2. Facility / Owner Information | | | | | |
|--|--|---|--------------------------|---|---|--|--------------------------------|--|--|
| County Ozaukee | | WI Unique Well # of Removed Well (SP-03b) | | Hicap # | | Facility Name Village of Grafton Lime Kiln Landfill | | | |
| Latitude / Longitude (see instructions) 43.30312 ° N -87.95294 ° W | | Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM | | Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001 | | Facility ID (FID or PWS) 246036780 | | | |
| 1/4 / 1/4 SW or Gov't Lot # | | Section 25 | | Township 10 | | License/Permit/Monitoring # | | | |
| | | | | Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W | | Original Well Owner | | | |
| Well Street Address | | | | Present Well Owner Village of Grafton | | | | | |
| Well City, Village or Town Grafton | | | | Mailing Address of Present Owner 860 Badger Circle | | | | | |
| Subdivision Name | | | | Well ZIP Code | | City of Present Owner Grafton | | | |
| | | | | Lot # | | State WI | | | |
| | | | | | | ZIP Code 53024 | | | |
| 3. Filled & Sealed Well / Drillhole / Borehole Information | | | | 4. Pump, Liner, Screen, Casing & Sealing Material | | | | | |
| <input checked="" type="checkbox"/> Monitoring Well | | Original Construction Date (mm/dd/yyyy) 09/30/2020 | | Pump and piping removed? | | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | | | |
| <input type="checkbox"/> Water Well | | If a Well Construction Report is available, please attach. | | Liner(s) removed? | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | | | |
| <input type="checkbox"/> Borehole / Drillhole | | | | Liner(s) perforated? | | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | | | |
| Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug | | | | Screen removed? | | | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| <input type="checkbox"/> Other (Specify) _____ | | | | Casing left in place? | | | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | |
| Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock | | | | Was casing cut off below surface? | | | | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | |
| Total Well Depth From Ground Surface (ft) 40.0 | | Casing Diameter (in.) 1.60 | | Did sealing material rise to surface? | | | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Lower Drillhole Diameter (in.) 1.6 | | Casing Depth (ft.) 40.0 | | Did material settle after 24 hours? | | | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | |
| Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown | | | | If yes, was hole retopped? | | | | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | |
| If yes, to what depth (feet)? | | Depth to Water (feet) | | If bentonite chips were used, were they hydrated with water from a known safe source | | | | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | |
| | | | | Required Method of Placing Sealing Material | | | | | |
| | | | | <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped | | | | | |
| | | | | <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain) | | | | | |
| | | | | Sealing Materials | | | | | |
| | | | | <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete | | | | | |
| | | | | <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips | | | | | |
| | | | | For Monitoring Wells and Monitoring Well Boreholes Only: | | | | | |
| | | | | <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout | | | | | |
| | | | | <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry | | | | | |
| 5. Material Used to Fill Well / Drillhole | | | | From (ft.) | To (ft.) | No. Yards, Sacks Sealant or Volume (circle one) | Mix Ratio or Mud Weight | | |
| Bentonite Chips | | | | Surface | 40.0 | 1.5 sacks | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 6. Comments | | | | | | | | | |
| | | | | | | | | | |
| 7. Supervision of Work | | | | | DNR Use Only | | | | |
| Name of Person or Firm Doing Filling & Sealing Probe Technologies | | | License # | | Date of Filling & Sealing or Verification (mm/dd/yyyy) 09/30/2020 | | Date Received | | |
| Street or Route 7781 Pathfinder Lane | | | City West Bend | | Telephone Number 262-470-4768 | | Noted By | | |
| State WI | | | ZIP Code 53090 | | Signature of Person Doing Work  | | Comments | | |
| | | | | | | | Date Signed 2/1/2021 | | |

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other _____

1. Well Location Information **2. Facility / Owner Information**

| | | | | | | | | | |
|--|--|---|--|---|--|---|--|--|--|
| County Ozaukee | | WI Unique Well # of Removed Well (SP-04a) | | Hicap # | | Facility Name Village of Grafton Lime Kiln Landfill | | | |
| Latitude / Longitude (see instructions) 43.30267 ° N -87.95408 ° W | | | | Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM | | Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001 | | Facility ID (FID or PWS) 246036780 | |
| 1/4 / 1/4 SW or Gov't Lot # | | 1/4 NE | | Section 25 | | Township 10 | | Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W | |
| Well Street Address | | | | | | Original Well Owner | | | |
| Well City, Village or Town Grafton | | | | | | Present Well Owner Village of Grafton | | | |
| Subdivision Name | | | | | | Well ZIP Code 860 Badger Circle | | | |
| Reason For Removal From Service | | | | | | WI Unique Well # of Replacement Well | | City of Present Owner Grafton | |
| | | | | | | | | State WI | |
| | | | | | | | | ZIP Code 53024 | |

3. Filled & Sealed Well / Drillhole / Borehole Information

| | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole | | Original Construction Date (mm/dd/yyyy) 09/30/2020 | |
| Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____ | | If a Well Construction Report is available, please attach. | |
| Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock | | | |
| Total Well Depth From Ground Surface (ft) 38.6 | | Casing Diameter (in.) 1.60 | |
| Lower Drillhole Diameter (in.) 1.6 | | Casing Depth (ft.) 38.6 | |
| Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown | | | |
| If yes, to what depth (feet)? | | Depth to Water (feet) | |

4. Pump, Liner, Screen, Casing & Sealing Material


| | | | |
|--|---|---|---|
| Pump and piping removed? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| Liner(s) removed? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Liner(s) perforated? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Screen removed? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Casing left in place? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> N/A |
| Was casing cut off below surface? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| Did sealing material rise to surface? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Did material settle after 24 hours? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> N/A |
| If yes, was hole retopped? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| If bentonite chips were used, were they hydrated with water from a known safe source | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| Required Method of Placing Sealing Material | | | |
| <input type="checkbox"/> Conductor Pipe-Gravity | | <input type="checkbox"/> Conductor Pipe-Pumped | |
| <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) | | <input type="checkbox"/> Other (Explain) | |
| Sealing Materials | | | |
| <input type="checkbox"/> Neat Cement Grout | | <input type="checkbox"/> Concrete | |
| <input type="checkbox"/> Sand-Cement (Concrete) Grout | | <input checked="" type="checkbox"/> Bentonite Chips | |
| For Monitoring Wells and Monitoring Well Boreholes Only: | | | |
| <input checked="" type="checkbox"/> Bentonite Chips | | <input type="checkbox"/> Bentonite - Cement Grout | |
| <input type="checkbox"/> Granular Bentonite | | <input type="checkbox"/> Bentonite - Sand Slurry | |

5. Material Used to Fill Well / Drillhole

| | From (ft.) | To (ft.) | No. Yards, Sacks Sealant or Volume (circle one) | Mix Ratio or Mud Weight |
|-----------------|------------|----------|---|-------------------------|
| Bentonite Chips | Surface | 38.6 | 1 sacks | |
| | | | | |

6. Comments

7. Supervision of Work **DNR Use Only**

| | | | | | |
|---|--------------------|--------------------------|---|--------------------------------|----------|
| Name of Person or Firm Doing Filling & Sealing Probe Technologies | | License # | Date of Filling & Sealing or Verification (mm/dd/yyyy) 09/30/2020 | Date Received | Noted By |
| Street or Route 7781 Pathfinder Lane | | | Telephone Number 262-470-4768 | Comments | |
| City West Bend | State WI | ZIP Code 53090 | Signature of Person Doing Work  | Date Signed 2/1/2021 | |

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Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other _____

1. Well Location Information **2. Facility / Owner Information**

| | | | | | | | | | |
|--|--|---|--|---|--|---|--|--|--|
| County Ozaukee | | WI Unique Well # of Removed Well (SP-04b) | | Hicap # | | Facility Name Village of Grafton Lime Kiln Landfill | | | |
| Latitude / Longitude (see instructions) 43.30274 ° N -87.95400 ° W | | Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM | | Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001 | | Facility ID (FID or PWS) 246036780 | | | |
| 1/4 / 1/4 SW or Gov't Lot # | | 1/4 NE | | Section 25 | | Township 10 | | Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W | |
| Well Street Address | | | | | | Original Well Owner | | | |
| Well City, Village or Town Grafton | | | | | | Present Well Owner Village of Grafton | | | |
| Subdivision Name | | | | | | Well ZIP Code 860 Badger Circle | | | |
| Reason For Removal From Service | | | | | | WI Unique Well # of Replacement Well | | City of Present Owner Grafton | |
| | | | | | | | | State WI | |
| | | | | | | | | ZIP Code 53024 | |

3. Filled & Sealed Well / Drillhole / Borehole Information

| | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole | | Original Construction Date (mm/dd/yyyy) 09/30/2020 | |
| Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____ | | If a Well Construction Report is available, please attach. | |
| Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock | | | |
| Total Well Depth From Ground Surface (ft) 36.0 | | Casing Diameter (in.) 1.60 | |
| Lower Drillhole Diameter (in.) 1.6 | | Casing Depth (ft.) 36.0 | |
| Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown | | Depth to Water (feet) | |
| If yes, to what depth (feet)? | | | |

4. Pump, Liner, Screen, Casing & Sealing Material


| | | | |
|--|---|--|---|
| Pump and piping removed? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| Liner(s) removed? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Liner(s) perforated? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Screen removed? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Casing left in place? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> N/A |
| Was casing cut off below surface? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| Did sealing material rise to surface? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Did material settle after 24 hours? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> N/A |
| If yes, was hole retopped? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| If bentonite chips were used, were they hydrated with water from a known safe source | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| Required Method of Placing Sealing Material | | | |
| <input type="checkbox"/> Conductor Pipe-Gravity | <input type="checkbox"/> Conductor Pipe-Pumped | | |
| <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) | <input type="checkbox"/> Other (Explain) | | |
| Sealing Materials | | | |
| <input type="checkbox"/> Neat Cement Grout | <input type="checkbox"/> Concrete | | |
| <input type="checkbox"/> Sand-Cement (Concrete) Grout | <input checked="" type="checkbox"/> Bentonite Chips | | |
| For Monitoring Wells and Monitoring Well Boreholes Only: | | | |
| <input checked="" type="checkbox"/> Bentonite Chips | <input type="checkbox"/> Bentonite - Cement Grout | | |
| <input type="checkbox"/> Granular Bentonite | <input type="checkbox"/> Bentonite - Sand Slurry | | |

5. Material Used to Fill Well / Drillhole

| | From (ft.) | To (ft.) | No. Yards, Sacks Sealant or Volume (circle one) | Mix Ratio or Mud Weight |
|-----------------|------------|----------|---|-------------------------|
| Bentonite Chips | Surface | 36.0 | 1 sacks | |
| | | | | |
| | | | | |

6. Comments

7. Supervision of Work **DNR Use Only**

| | | | | | |
|---|--------------------|---|---|--------------------------------|----------|
| Name of Person or Firm Doing Filling & Sealing Probe Technologies | | License # | Date of Filling & Sealing or Verification (mm/dd/yyyy) 09/30/2020 | Date Received | Noted By |
| Street or Route 7781 Pathfinder Lane | | Telephone Number 262-470-4768 | | Comments | |
| City West Bend | State WI | ZIP Code 53090 | Signature of Person Doing Work  | Date Signed 2/1/2021 | |