CALIFORNIA
Water Boards

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

State Water Resources Control Board
Division of Drinking Water

September 8, 2014

PWS No. 0910007

Certified Mail Return/Receipt
No. 7009 2250 0004 3622 0031

Jennifer Lukins
Lukins Brothers Water Company
2031 West Way
South Lake Tahoe, CA 96150

LUKINS BROTHERS WATER COMPANY PUBLIC WATER SYSTEM (PWS No. 0910007)
COMPLIANCE ORDER No. 01-09-14R-001

Jennifer Lukins:

Enclosed is a copy of the Division of Drinking Water Compliance Order No. 01-09-14R-001 issued to the Lukins Brothers Water Company. Please note there are certain deadlines associated with this Compliance Order.

If you have any questions, please feel free to contact either the Sacramento District Engineer Ali Rezvani at (916) 445-5285 or via email at Ali.rezvani@Waterboards.ca.gov. You may also contact me at (530) 224-4867 or via email at Richard.hinrichs@Waterboards.ca.gov.

Sincerely,

Richard L. Hinrichs, P.E., Chief
Northern California Section
Division of Drinking Water

Enclosure: Compliance Order No. 01-09-14R-001

cc: Ali R. Rezvani, P.E.
Sacramento District Engineer

Salvador Turrubiartes, P.E.
Associate Sanitary Engineer

Karen Bender
El Dorado County LPA
3368 Lake Tahoe Blvd., Suite 303.
South Lake Tahoe, CA 96150

Leslie Laudon
California Regional Water Quality Control Board – Lahontan Region
2501 Lake Tahoe Blvd.
South Lake Tahoe, CA 96150

Bruce DeBerry
California Public Utilities Commission
505 Van Ness Ave.
San Francisco, CA 94102

STATE OF CALIFORNIA

STATE WATER RESOURCES CONTROL BOARD

DIVISION OF DRINKING WATER

TO: Lukins Brothers Water Company
2031 West Way
South Lake Tahoe, CA 96150

COMPLIANCE ORDER

Compliance Order No. 01-09-14R-001

Issued on September 8, 2014

Section 116655 of the California Health and Safety Code authorizes the issuance of a Compliance Order to a public water system for violation of the California Safe Drinking Water Act (Health and Safety Code, Division 104, Part 12, Chapter 4, commencing with Section 116270) (hereinafter "California SDWA"), or any regulation, standard, permit, or order issued or adopted thereunder..

The State Water Resources Control Board, acting by and through its Division of Drinking Water (hereinafter "Division") and the Deputy Director for the Division (hereinafter "Deputy Director"), hereby issues a Compliance Order to the Lukins Brothers Water Company (hereinafter, "Water System") (2031 West Way, South Lake Tahoe, CA 96150) for violation or threatened violation of the California Code of Regulations (CCR), Title 22, Sections: 64444, 64445.1(c)(5)(C), 64554(a)(2)&(3), 64554(c); and the California Health and Safety Code, Division 104, Part 12, Chapter 4, Article 7, Section 116555(a)(1) & (3).

APPLICABLE AUTHORITIES

California Health and Safety Code Section 116271 (b) states:

The State Water Resources Control Board shall maintain a drinking water program and carry out the duties, responsibilities, and functions described in this section. Statutory reference to "department," "state department," or "director" regarding a function transferred to the State Water Resources Control Board shall refer to the State Water Resources Control Board. This section does not impair the authority of a local health officer to enforce this chapter or a county's election not to enforce this chapter, as provided in Section 116500.

California Code of Regulations, Title 22, Section 64444 states:

The MCLs for the primary drinking water chemicals shown in Table 64444-A shall not be exceeded in the water supply to the public.

California Code of Regulations, Title 22, Section 64445.1(c)(5)(C) states:

c) When organic chemicals are detected pursuant to Table 64445.1-A.

(5) If the detected level of an organic chemical for any sampling site exceeds that listed in Table 64445.1-A, the water supplier shall report this information to the Department within 48 hours of receipt of the result. Unless use of the contaminated source is discontinued, the water supplier shall resample the contaminated source and compliance shall be determined as follows:

C. If any sample would cause the running annual average to exceed the MCL, the water system is immediately in violation. If a system takes more than one sample in a quarter, the average of all the results for the quarter shall be used when calculating the running annual average. If a system fails to complete four

consecutive quarters of monitoring, the running annual average shall be based on the average of the available data

California Code of Regulations, Title 22, Sections 64554(a)(2) & (a)(3) state:

a) At all times, a public water system's water source(s) shall have the capacity to meet the system's maximum day demand (MDD). MDD shall be determined pursuant to subsection (b).

2) For systems with less than 1,000 service connections, the system shall have storage capacity equal to or greater than MDD, unless the system can demonstrate that it has an additional source of supply or has an emergency source connection that can meet the MDD requirement.

3) Both the MDD and peak hourly demand requirements shall be met in the system as a whole and in each individual pressure zone.

California Code of Regulations, Title 22, Section 64554(c) states:

c) Community water systems using only groundwater shall have a minimum of two approved sources before being granted an initial permit. The system shall be capable of meeting MDD with the highest-capacity source off line.

California Health and Safety Code Sections 116555(a)(1) and (3) state in relevant part:

a) Any person who owns a public water system shall ensure that the system does all of the following:

(1) Complies with primary and secondary drinking water standards.

(3) Provides a reliable and adequate supply of pure, wholesome, healthful, and potable water.

Section 116655 of California Health and Safety Code states in relevant part:

a) Whenever the Department determines that any person has violated or is violating this chapter, or any permit, regulation, or standard issued or adopted pursuant to this chapter, the director may issue an order doing any of the following:

(1) Directing compliance forthwith.

(2) Directing compliance in accordance with a time schedule set by the department.

(3) Directing that appropriate preventive action be taken in the case of a threatened violation.

b) An order issued pursuant to this section may include, but shall not be limited to, any or all of the following requirements:

(1) That the existing plant, works, or system be repaired, altered, or added to.

(2) That purification or treatment works be installed.

(3) That the source of the water supply be changed.

(4) That no additional service connection be made to the system.

(5) That the water supply, the plant, or the system be monitored.

(6) That a report on the condition and operation of the plant, works, system, or water supply be submitted to the Department.

STATEMENT OF FACTS

The Water System is currently operating its drinking water system under a domestic water supply permit (Permit No. 78-055) issued on September 13, 1978. The permit does not have any amendments.

The Water System is a community water system, as defined in California Health and Safety Code (CHSC), Section 116275(h). The Water System serves an

estimated year-round population of 3,168 through 960 active service connections. The drinking water distribution system serves one pressure zone with the service area being relatively flat, ranging from about 6,240 to 6,280 feet above mean sea level. The Water System has three (3) active groundwater sources of water supply, which are disinfected prior to being served to the distribution system, with an estimated total source capacity of 1,135 gallons per minute (gpm). Additionally, the Water System has two emergency interties with the neighboring water system South Tahoe Public Utilities District (hereinafter "STPUD") (PWS No. 0910002). According to Section 64554(b)(2), which provides guidelines to evaluate a water system's maximum monthly and maximum day water demand using data from at least the most recent ten years of operation, the maximum day demand (MDD) of the Water System is estimated to be 1.11 million gallons per day (771 gpm), and its peak hourly demand (PHD) is estimated to be 64,000 gallons per hour (1,066 gpm) based on June 2005 water production data. The Water System has no storage capacity.

As set forth below, the Division was informed that the Water System is in violation of CHSC, Section 116555(a)(1) and the California Domestic Water Quality and Monitoring Regulations, in Articles 5.5, Chapter 15, of CCR.

The Water System detected elevated tetrachloroethylene (PCE) concentrations in two of its groundwater sources during the months of June and July 2014. On July 7, 2014, the Water System received laboratory results from BSK Associates Engineers & Laboratories (ELAP No. 2435) (BSK) from raw water Title 22 samples collected on June 16, 2014. The laboratory reported PCE concentrations from Well 2 (Source No. 0910007-002) at 46 micrograms/Liter (µg/L) (ppb) and from Well 5 (Source No. 0910007-005) at 43 µg/L (ppb). The PCE maximum contaminant level

(MCL) is 5 µg/L (ppb). The Water System contacted the Division the same day and reported that they had detected PCE above the MCL. The Division directed the Water System to immediately collect confirmation samples, as per Section 64445.1(c)(1) of the California Code of Regulations (CCR), with a recommendation that two sets of samples be collected and sent to two different laboratories for analyses.

On July 7, 2014, confirmation sampling was completed. The Water System notified the Division that two sets of samples from Well 2 (Source No. 0910007-002) and Well 5 (Source No. 0910007-005) were delivered to BSK (Lab 1) and to Sierra Environmental Monitoring Inc. (Lab 2) (ELAP No. 2526), and that the results from the confirmation samples still exceeded the MCL. See Table 1 below for a summary of the initial and confirmation samplings results. The average of the initial and confirmation samples for Well 2 (Source No. 0910007-002) is 33 µg/L (ppb) [(46+22+30)/3], and for Well 5 (Source No. 0910007-005) is 25 µg/L (ppb) [(43+16+16)/3]; the results are more than five (5) times the 5 µg/L (ppb) MCL, and the running annual average would be above the MCL even if the remaining three quarters reported non-detectable results.

Table 1 – Tetrachloroethylene initial and confirmation sample results

Sample Dates	Well 2			Well 5		
	Lab 1	Lab 2	% difference	Lab 1	Lab 2	% difference
06/16/14	46 ppb			43 ppb		
07/07/14	22 ppb	30 ppb	27%	16 ppb	16 ppb	0%
Difference	52%	35%		63%	63%	
Average	34 ppb	38 ppb	36 ppb	31 ppb	31 ppb	31 ppb

On July 14, 2014, the Water System informed the Division that Well 2 (Source No. 0910007-002) and Well 5 (Source No. 0910007-005) were taken out of service and one of the two emergency interties with STPUD was activated.

On July 15, 2014, the Water System confirmed that they were meeting water demand using Well 1 (Source No. 0910007-001) and the intertie with STPUD and maintaining adequate pressure in its distribution system. The Water System informed the Division that it had also flushed to waste the distribution system over the weekend of July 12, 2014, to remove as much of the remaining water from Well 2 (Source No. 0910007-002) and Well 5 (Source No. 0910007-005) as possible.

On July 15, 2014, the Division recommended that the Water System take certain actions. The Division recommended that the Water System change the status of Well 2 (Source No. 0910007-002) and Well 5 (Source No. 0910007-005) from "Active" to "Standby". This allows temporary operation of these sources – not continuous operation – until the Water System returns to compliance with the PCE MCL. Public notification would need to be repeated every quarter if the contaminated sources remained "active". The Water System has reportedly discussed the best available technology to remove PCE; such as air stripping and/or granulated activated carbon with other public water systems in the South Lake Tahoe area. The Division recommended that an investigation report on the PCE spike should be prepared and also shared with the Lahontan Regional Water Quality Control Board, the Department of Toxic Substances Control, and the California Public Utilities Commission. A study should also be prepared by the Water System to evaluate alternatives to meeting water demand, either with treatment or through development of new water sources.

The current intertie connections between the Water System and STPUD were originally intended for short-term activation and use during emergencies only. Since long-term and continuous use of these interties have not been considered and were not intended, use of either or both interties as permanent and long-term source of supply should be reviewed and evaluated as part of the long-term solution to the water supply capacity shortage of the Water System.

DETERMINATIONS

Based on the above Findings of Fact, the Division determines that the Water System has violated and continues to violate the following:

(1) Section 64444 of the CCR; specifically, the Water System exceeded the tetrachloroethylene (PCE) maximum contaminant level at two of its three sources.

(2) Section 64554 of the CCR; specifically, the Water System without the use of Well 2 (Source No. 0910007-002) and Well 5 (Source No. 0910007-005) will decrease source capacity from 1,130 gpm to 500 gpm. The current water supply plus the emergency intertie with STPUD (PWS No. 0910002) may not be able to sufficiently meet the historic maximum day demand of 1.11 million gallons per day (771 gpm) or peak hourly demand of 64,000 gallons per hour (1,135 gpm). Moreover, the emergency intertie with STPUD is not a permitted source for the water system.

(3) Section 116555(a)(3) of the CHSC; specifically, the Water System failed to ensure that the water delivered to its customers is a reliable and adequate supply of pure wholesome, healthful, and potable water.

DIRECTIVES

Pursuant to Section 116655, Article 9, Chapter 4, Part 12, Division 104 of the Health and Safety Code, the Division and its Director hereby orders and directs the Water System to:

Directive 1. The Water System shall keep Well 2 (Source No. 0910007-002) and Well 5 (Source No. 0910007-005) out of routine service and submit a permit amendment application to the Division to change each well's status from "Active" to "Standby".

Directive 2. The Water System shall notify all persons served by the Water System of the Tetrachloroethylene (PCE) water quality standard violation as stated in Section 64444 of CCR. The notification must be completed in accordance with each of the following:

a. Submit a draft public notice for Division review by **September 30, 2014.** The public notice must include the language in the CCR Section 64465. The Division shall approve the wording of the notice prior to publication in the newspaper or mailing to customers.

b. Notify persons in the area served by the Water System not likely to be reached by mailing or direct delivery (renters, students, etc.) as described in Section 64463.4(c). Notices shall be given once by **October 15, 2014,** by one or more of the methods described below. A copy of this notice must be submitted to the Division by **October 31, 2014.**

i. Publication in a local newspaper;

ii. Posting in conspicuous public places served by the Water System, or on the Internet; or

iii. Delivery to community organizations.

c. Notify the public via mail or direct delivery to each customer receiving a bill including those that provide their drinking water to others (e.g., schools or school systems, apartment building owners, or large private employees), and other service connects to which water is delivered by the Water System. Notice by direct mail, with the water bill, or by hand delivery shall be given once by **October 15, 2014.** A copy of this notice must be submitted to the Division by **October 31, 2014.**

Directive 3. The Water System shall complete and return by **October 31, 2014,** the enclosed "Proof of Notification" together with copies of the notices.

Directive 4. The Water System shall investigate the potential causes of the June 2014 PCE MCL violation and submit the results of the investigation to the Division by **November 30, 2014.** The investigation shall include information on the current status of physical works and operating procedures, which may have caused the elevated PCE findings, or any information on regional superfund site cleanup practices. This shall include, but not limited to:

i. Current operating procedures that are or could potentially be related to the increase in PCE detected;

ii. Any interruptions in treatment processes for PCE remediation in the vicinity;

iii. Vandalism and/or unauthorized access to facilities;

iv. Physical evidence indicating PCE contamination of facilities;

v. Analytical results of any additional samples collected, including source samples;

vi. Records of the investigation and any action taken.

Directive 5. By **December 31, 2014**, the Water System shall submit to the Division, for review and approval, a plan and time schedule for improvements to the Water System to correct the PCE water quality problem and eliminate the delivery of water to consumers that does not meet the primary drinking water standards.

Directive 6. By **January 1, 2016**, the Water System shall complete all improvements to the Water System to correct the PCE water quality problem and comply with California Health and Safety Code Section 116655(a)(1) and (a)(3) and California Code of Regulations Section 64444 by ensuring that the system is provided with a reliable and adequate supply of pure, wholesome, healthful, and potable water, which is in compliance with all primary drinking water standards.

Directive 7. The Water System shall submit a written response to the Division by **September 30, 2014**, indicating its willingness to comply with the directives of this Order.

The Division reserves the right to make such modifications to this Order as it may deem necessary to protect public health and safety. Such modifications may be issued as amendments to this Order, and shall be effective upon issuance.

All submittals required by this Order shall be submitted to the Division at the following address:

Ali R. Rezvani, P.E.
Sacramento District Engineer
Division of Drinking Water
State Water Resources Control Board
P.O. Box 997413, MS 7400
Sacramento, CA 95899-7413

PARTIES BOUND

This Order shall apply to and be binding upon the Water System, its officers, directors, agents, employees, contractors, successors, and assignees.

SEVERABILITY

The directives of this Order are severable, and the Water System shall comply with each and every provision thereof, notwithstanding the effectiveness of any provision.

FURTHER ENFORCEMENT ACTIONS

Failure to comply with the Directives of this Order may result in additional enforcement actions by the Division that may include civil and administrative penalties.

9/8/2014

Date

Richard L. Hinrichs, P.E., Chief
Northern California Section
Division of Drinking Water
State Water Resources Control Board

List of Attachments (6):

Attachment 1: Division Memo to Ali Rezvani, dated July 15, 2014

Attachment 2: Lab Report for samples collected on June 16, 2014 (7/7/2014)

Attachment 3: Lab Reports for samples collected on July 7, 2014 (7/11/2014)

Attachment 4: Water System email to Division with draft public notification documents, dated July 14, 2014

Attachment 5: Instructions for Tier 2 Chemical MCL Notice & Template

Attachment 6: Proof of Notification Form

Attachment 1:

Division Memo to Ali Rezvani, dated July 15, 2014

CALIFORNIA
Water Boards

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

State Water Resources Control Board
Division of Drinking Water

TO: Ali R. Rezvani, P.E.
Sacramento District Engineer

FROM: Salvador Turrubiartes, P.E. Salvador Turrubiartes 7/17/14
Associate Sanitary Engineer
Division of Drinking Water
State Water Resources Control Board

DATE: July 17, 2014

SUBJECT: **LUKINS BROTHERS WATER COMPANY (PWS NO. 0910007) PUBLIC NOTIFICATION FOR TETRACHLOROETHYLENE MAXIMUM CONTAMINANT LEVEL (MCL) EXCEEDANCE**

On July 14, 2014, the Lukins Brothers Water Company (water system) emailed draft copies of their Tier 2 Public Notification with supporting documents that they will provide to their customers. This was in response to the discovery of Tetrachloroethylene (PCE) concentrations at two of the three groundwater sources, which were greater than the MCL, 5 ppb. The water system is a community water system with 960 service connections with an approximate population of 3,168 persons (960 x3.3) according to its 2013 Annual Report. The drinking water distribution system is supplied by three groundwater sources, it has no storage, and has two emergency interties with South Tahoe Public Utilities District (STPUD) (PWS No. 0910002). Before comments to the documents are discussed, the background information of the need for Tier 1 Public Notification is as follows:

On Monday, July 7, 2014, the water system received laboratory results from BSK Associates Engineers & Laboratories (ELAP No. 2435) regarding raw water Title 22 samples collected on June 16, 2014. The lab reported PCE concentrations from Well 2 (Source No. 0910007-002) at 46 ppb and from Well 5 (Source No. 0910007-005) concentrations at 43 ppb. The water system was directed to collect confirmation samples that same day, according to Section 64445.1(c)(1) of the California Code of Regulations (CCR), with a recommendation that two sets of samples be collected and sent to two different laboratories.

On July 11, 2014, the water system notified the Division that the confirmation sample results still exceeded the MCL. Confirmation samples were sent to BSK (Lab 1) and to Sierra Environmental Monitoring Inc. (Lab 2) (ELAP No. 2526). See Table 1 for results.

Table 1 - Tetrachloroethylene initial and confirmation sample results

Sample Dates	Well 2			Well 5		
	Lab 1	Lab 2	% difference	Lab 1	Lab 2	% difference
Initial (6/16/14)	46 ppb			43 ppb		
Confirmation (7/7/14)	22 ppb	30 ppb	27%	16 ppb	16 ppb	0%
% difference	52%	35%		63%	63%	
Average	34 ppb	38 ppb	36 ppb	31 ppb	31 ppb	31 ppb

According to Section 64445.1(c)(1), confirmation of the initial finding shall be shown by the presence of the organic chemical in either the first or second additional sample, and the detected level of the contaminant for compliance purposes shall be the average of the initial and confirmation sample(s). The average of the initial and confirmation samples for Well 2 is 33 ppb (46+22+30), and for Well 5 is 25 ppb (43+16+16).

According to Section 64445.1(c)(5), if the detected level of an organic chemical for any sampling site exceeds that listed in Table 64444-A, the water supplier shall report this information to the Division within 48 hours of receipt of the result. Unless use of the contaminated source is discontinued, the water supplier shall resample the contaminated source and compliance shall be determined as per Section 64445.1(c)(5)(B). The results from July 11, 2014, samples determine that Well 2 and Well 5 are in violation of the PCE MCL.

According to the water system, on July 14, 2014, Well 2 and Well 5 have been taken out of service, the water system has opened its emergency intertie with its neighboring water system STPUD and is supplying its drinking water distribution system with Well 1 (Source No. 0910007-001) and treated water from STPUD. The water system plans to flush the drinking water distribution system to remove as much of the treated water from Well 2 and Well 5. The water system should prepare a plan of action on how to return the water system back into compliance with Title 22, Chapter 15, Section 64444.

On July 15, 2014, the Division had a conference call with the water system to discuss further actions. According to the water system, Well 2 and Well 5 continue to remain off-line and the water system is able to maintain adequate pressure in its distribution system with Well 1 and treated water provided by STPUD through its interties. Based on the concentrations detected on July 11, 2014, the water system shared its decision with the Division that it will abandon Well 2. Because Well 5 had a lower concentration of PCE during the confirmation round, and because it is one of the newest wells in the water system, the water system may seek treatment of the water produced by this well to return to compliance. The Division informed the water system that a Compliance Order will most likely be issued following the PCE MCL exceedence with the following directives:

1. Change the status of Well 2 and Well 5 from "Active" to "Standby". [The Division may not allow the continues operation of these sources due to high PCE levels.]
2. Require that the water system prepare a study to evaluate alternatives to returning to compliance.
3. Perform Tier 2 Public Notification, informing the water system's customers of the MCL exceedence.

The water system shall provide public notification to its customers of the MCL exceedance. The Division has determined that the detection of PCE above the MCL, falls within the category of Tier 2 Public Notification. According to Section 64463.4(a)(3) of the CCR, a water system shall give public notice pursuant for which the Division determines that a Tier 2 rather than a Tier 3 public notice is required, based on potential health impacts and persistence of the violations. According to Section 64463.4(b), a water system shall give the notice as soon as possible within 30 days after it learns of a violation or occurrence specified in subsection (a); which should be **by August 11, 2014.**

After reviewing the documents, the State Water Resources Control Board, Division of Drinking Water (Division) has the following comments:

Tier 2 Public Notification for Tetrachloroethylene Above the Drinking Water Standard (July 14, 2014)

Comment 1 (2nd paragraph): "Water sample results received on [date] showed Tetrachloroethylene (PCE) levels of [level and units]." The [date] should be July 11, 2014. The average of the results collected on this day shall be reported in this sentence: 26 ppb for Well 2 ((22+30)/2), and 16 ppb for Well 5 ((16+16)/2).

Fact Sheet – Tetrachloroethylene (PCE) (July 10, 2014)

Comment 2 (actions to mitigate the problem): Please list the actions taken.

Comment 3 (Potential Health Impacts, paragraph 2): The comment "need to say here what level is considered high" may be too specific and information may not be readily available.

Comment 4 (What does this mean to me?): The water system may want to include a comment that Well #1 and South Tahoe Public Utility District water is "approved" drinking water sources that meet drinking water standards.

Comment 5 (What are **the** next steps): Please list steps.

Lukins Brothers Water Company, Inc. PRESS RELEASE (July 14, 2014)

Comment 6 (Media Contact): Fix phone number: (530) 541-2606.

Comment 7 (Date of confirmation): See Comment 1, the date should be July 11, 2014.

Comment 8 (Reported levels): See Comment 1, the values should be 26 ppb and 16 ppb.

The following comments are based only on the Tier 2 Public Notification for Tetrachloroethylene Above the Drinking Water Standard that was received on July 14, 2014, the Fact Sheet – Tetrachloroethylene dated July 10, 2014, and Lukins Brothers Water Company, Inc. PRESS RELEASE that was received on July 14, 2014.

Attachment 2:

Lab Report for samples collected on June 16, 2014 (7/7/2014)

Turrubiartes, Salvador@Waterboards

From: Jennifer Lukins <Jennifer@lukinswater.com>
Sent: Monday, July 07, 2014 11:02 AM
To: Turrubiartes, Salvador@Waterboards
Subject: FW: Emailing: 135447-Lukins Brothers-070314, 135447-Lukins Brothers-070314
Attachments: 135447-Lukins Brothers-070314.XLS; 135447-Lukins Brothers-070314.pdf

Jenn Lukins
(530)541-2606

-----Original Message-----
From: Debbie [mailto:drose@sem-analytical.com]
Sent: Monday, July 7, 2014 10:17 AM
To: Jennifer Lukins
Subject: Emailing: 135447-Lukins Brothers-070314, 135447-Lukins Brothers-070314

Your message is ready to be sent with the following file or link attachments:
135447-Lukins Brothers-070314
135447-Lukins Brothers-070314

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

--
Hello,

Please find the attached report.

Thank you for your business!

Debbie Rose

Sierra Environmental Monitoring
1135 Financial Blvd
Reno, NV 89502
775-857-2400

CustomerName	OrderID	Customer Sample Number	Collector	CollectDate	SampleNumber	Matrix	TestGroup	Param	Method	RDL	Reported Result	Units	Analysis Employee	Analysis Date
Lukins Brothers Water Company	135447	Well #1	D. Lukins	6/16/2014	S201406-0754	Drinking Water		Nitrate-N - Ion Chromatography	EPA 300.0	0.05	0.22	mg/L N	Faulstich	6/16/2014
Lukins Brothers Water Company	135447	Well #1	D. Lukins	6/16/2014	S201406-0754	Drinking Water		Nitrite-N - Ion Chromatography	EPA 300.0	0.05	<0.05	mg/L N	Faulstich	6/16/2014
Lukins Brothers Water Company	135447	Well #1	D. Lukins	6/16/2014	S201406-0754	Drinking Water		NO3 + NO2	EPA 300.0	0.27	<0.27	mg/L N	Faulstich	6/16/2014
Lukins Brothers Water Company	135447	Well #2	D. Lukins	6/16/2014	S201406-0755	Drinking Water		Nitrate-N - Ion Chromatography	EPA 300.0	0.05	0.72	mg/L N	Faulstich	6/16/2014
Lukins Brothers Water Company	135447	Well #2	D. Lukins	6/16/2014	S201406-0755	Drinking Water		Nitrite-N - Ion Chromatography	EPA 300.0	0.05	<0.05	mg/L N	Faulstich	6/16/2014
Lukins Brothers Water Company	135447	Well #2	D. Lukins	6/16/2014	S201406-0755	Drinking Water		NO3 + NO2	EPA 300.0	0.1	0.72	mg/L N	Faulstich	6/16/2014
Lukins Brothers Water Company	135447	Well #5	D. Lukins	6/16/2014	S201406-0756	Drinking Water		Nitrate-N - Ion Chromatography	EPA 300.0	0.05	0.72	mg/L N	Faulstich	6/16/2014
Lukins Brothers Water Company	135447	Well #5	D. Lukins	6/16/2014	S201406-0756	Drinking Water		Nitrite-N - Ion Chromatography	EPA 300.0	0.05	<0.05	mg/L N	Faulstich	6/16/2014
Lukins Brothers Water Company	135447	Well #5	D. Lukins	6/16/2014	S201406-0756	Drinking Water		NO3 + NO2	EPA 300.0	0.1	0.72	mg/L N	Faulstich	6/16/2014
Lukins Brothers Water Company	135447	Well #1	D. Lukins	6/16/2014	S201406-0757	Drinking Water	SOCs Drinking Water	Carbamates (ML531) (EPA 531.1)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #1	D. Lukins	6/16/2014	S201406-0757	Drinking Water	SOCs Drinking Water	Diquat (EPA 549.2)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #1	D. Lukins	6/16/2014	S201406-0757	Drinking Water	SOCs Drinking Water	EDB-DBC (EPA 504.1)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #1	D. Lukins	6/16/2014	S201406-0757	Drinking Water	SOCs Drinking Water	Endothall (EPA 548.1)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #1	D. Lukins	6/16/2014	S201406-0757	Drinking Water	SOCs Drinking Water	Glyphosate (EPA 547)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #1	D. Lukins	6/16/2014	S201406-0757	Drinking Water	SOCs Drinking Water	Herbicides (NPS3) (EPA 515.1)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #1	D. Lukins	6/16/2014	S201406-0757	Drinking Water	SOCs Drinking Water	Pesticides and PCBs (PESTSDW) (EPA 508)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #1	D. Lukins	6/16/2014	S201406-0757	Drinking Water	SOCs Drinking Water	SVOCs (ML525) (EPA 525)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #1	D. Lukins	6/16/2014	S201406-0757	Drinking Water		VOCs (VOASDWA) (EPA 524.2)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #2	D. Lukins	6/16/2014	S201406-0758	Drinking Water	SOCs Drinking Water	Carbamates (ML531) (EPA 531.1)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #2	D. Lukins	6/16/2014	S201406-0758	Drinking Water	SOCs Drinking Water	Diquat (EPA 549.2)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #2	D. Lukins	6/16/2014	S201406-0758	Drinking Water	SOCs Drinking Water	EDB-DBC (EPA 504.1)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #2	D. Lukins	6/16/2014	S201406-0758	Drinking Water	SOCs Drinking Water	Endothall (EPA 548.1)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #2	D. Lukins	6/16/2014	S201406-0758	Drinking Water	SOCs Drinking Water	Glyphosate (EPA 547)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #2	D. Lukins	6/16/2014	S201406-0758	Drinking Water	SOCs Drinking Water	Herbicides (NPS3) (EPA 515.1)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #2	D. Lukins	6/16/2014	S201406-0758	Drinking Water	SOCs Drinking Water	Pesticides and PCBs (PESTSDW) (EPA 508)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #2	D. Lukins	6/16/2014	S201406-0758	Drinking Water	SOCs Drinking Water	SVOCs (ML525) (EPA 525)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #2	D. Lukins	6/16/2014	S201406-0758	Drinking Water		VOCs (VOASDWA) (EPA 524.2)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #5	D. Lukins	6/16/2014	S201406-0759	Drinking Water	SOCs Drinking Water	Carbamates (ML531) (EPA 531.1)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #5	D. Lukins	6/16/2014	S201406-0759	Drinking Water	SOCs Drinking Water	Diquat (EPA 549.2)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #5	D. Lukins	6/16/2014	S201406-0759	Drinking Water	SOCs Drinking Water	EDB-DBC (EPA 504.1)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #5	D. Lukins	6/16/2014	S201406-0759	Drinking Water	SOCs Drinking Water	Endothall (EPA 548.1)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #5	D. Lukins	6/16/2014	S201406-0759	Drinking Water	SOCs Drinking Water	Glyphosate (EPA 547)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #5	D. Lukins	6/16/2014	S201406-0759	Drinking Water	SOCs Drinking Water	Herbicides (NPS3) (EPA 515.1)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #5	D. Lukins	6/16/2014	S201406-0759	Drinking Water	SOCs Drinking Water	Pesticides and PCBs (PESTSDW) (EPA 508)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #5	D. Lukins	6/16/2014	S201406-0759	Drinking Water	SOCs Drinking Water	SVOCs (ML525) (EPA 525)	Subcontract		See Report			
Lukins Brothers Water Company	135447	Well #5	D. Lukins	6/16/2014	S201406-0759	Drinking Water		VOCs (VOASDWA) (EPA 524.2)	Subcontract		See Report			

Laboratory Report
Report ID: 135447

Sierra Environmental Monitoring, Inc.

Lukins Brothers Water Company
Attn: Jennifer Lukins
2031 West Way
South Lake Tahoe, CA 96150

Date:	7/3/2014
Client:	LUK-734
Taken by:	D. Lukins
PO #:	

Dear Jennifer Lukins,

It is the policy of Sierra Environmental Monitoring, Inc to strictly adhere to a comprehensive Quality Assurance Plan that insures the data presented in this report are both accurate and precise. Sierra Environmental Monitoring, Inc. maintains accreditation in the State of Nevada (NV-15 and NV-921) and the State of California (ELAP 2526).

The data presented in this report were obtained from the analysis of samples received under a chain of custody. Unless otherwise noted below, samples were received in good condition, properly preserved and within the hold time for the requested analyses. Any anomalies associated with the analysis of the samples have been flagged with appropriate explanation in the Analysis Report section of this Laboratory Report.

General Comments:

- There are no general comments for this report.

Individual Sample Comments:

- There are no specific comments that are associated with these samples.

Approved By:

Sierra Environmental Monitoring, Inc.

Date:

7/3/2014

This report is applicable only to the sample received by the laboratory. The liability of the laboratory is limited to the amount paid for this report. This report is for the exclusive use of the client to whom it is addressed and upon the condition that the client assumes all liability for the further distribution of the report or its contents.

John Kobza, Ph.D
Laboratory Director

1135 Financial Blvd,
Reno, Nv 89502-2348
Phone (775) 857-2400
Fax (888) 398-7002
sem@sem-analytical.com

John C. Seher
Special Consultant
Quality Assurance Manager

Laboratory Report
Report ID: 135447

Sierra Environmental Monitoring, Inc.

Lukins Brothers Water Company
Attn: Jennifer Lukins
2031 West Way
South Lake Tahoe, CA 96150

Date: 7/3/2014
Client: LUK-734
Taken by: D. Lukins
PO #:

Analysis Report

Laboratory Accreditation Number: ELAP 2526

Laboratory Sample ID	Customer Sample ID	Date Sampled	Time Sampled	Date Received
S201406-0754	Well #1	6/16/2014	10:50 AM	6/16/2014

Parameter	Method	Result	Units	MCL	Analyst	Date Analyzed	Data Flag
Nitrate-N - Ion Chromatography	EPA 300.0	0.22	mg/L N	10 mg/L as N	Faulstich	6/16/2014	
Nitrite-N - Ion Chromatography	EPA 300.0	<0.05	mg/L N	1 mg/L as N	Faulstich	6/16/2014	
NO3 + NO2	EPA 300.0	<0.27	mg/L N		Faulstich	6/16/2014	

SAMPLE WATER AS TESTED X **DID** ____ **DID NOT MEET DRINKING WATER STANDARDS.**

Laboratory Accreditation Number: ELAP 2526

Laboratory Sample ID	Customer Sample ID	Date Sampled	Time Sampled	Date Received
S201406-0755	Well #2	6/16/2014	11:30 AM	6/16/2014

Parameter	Method	Result	Units	MCL	Analyst	Date Analyzed	Data Flag
Nitrate-N - Ion Chromatography	EPA 300.0	0.72	mg/L N	10 mg/L as N	Faulstich	6/16/2014	
Nitrite-N - Ion Chromatography	EPA 300.0	<0.05	mg/L N	1 mg/L as N	Faulstich	6/16/2014	
NO3 + NO2	EPA 300.0	0.72	mg/L N		Faulstich	6/16/2014	

SAMPLE WATER AS TESTED X **DID** ____ **DID NOT MEET DRINKING WATER STANDARDS.**

Laboratory Accreditation Number: ELAP 2526

Laboratory Sample ID	Customer Sample ID	Date Sampled	Time Sampled	Date Received
S201406-0756	Well #5	6/16/2014	11:35 AM	6/16/2014

Parameter	Method	Result	Units	MCL	Analyst	Date Analyzed	Data Flag
Nitrate-N - Ion Chromatography	EPA 300.0	0.72	mg/L N	10 mg/L as N	Faulstich	6/16/2014	
Nitrite-N - Ion Chromatography	EPA 300.0	<0.05	mg/L N	1 mg/L as N	Faulstich	6/16/2014	
NO3 + NO2	EPA 300.0	0.72	mg/L N		Faulstich	6/16/2014	

SAMPLE WATER AS TESTED X **DID** ____ **DID NOT MEET DRINKING WATER STANDARDS.**

John Kobza, Ph.D
Laboratory Director

1135 Financial Blvd.
Reno, Nv 89502-2348
Phone (775) 857-2400
Fax (888) 398-7002
sem@sem-analytical.com

John C. Seher
Special Consultant
Quality Assurance Manager

Laboratory Report
Report ID: 135447

Sierra Environmental Monitoring, Inc.

Lukins Brothers Water Company
Attn: Jennifer Lukins
2031 West Way
South Lake Tahoe, CA 96150

Date: 7/3/2014
Client: LUK-734
Taken by: D. Lukins
PO #:

Analysis Report

Laboratory Accreditation Number: See Subcontract Report for Accreditation Number

Laboratory Sample ID	Customer Sample ID	Date Sampled	Time Sampled	Date Received
S201406-0757	Well #1	6/16/2014	10:50 AM	6/16/2014

Parameter	Method	Result	Units	MCL	Analyst	Date Analyzed	Data Flag
Carbamates (ML531) (EPA 531.1)	Subcontract	See Report					
Diquat (EPA 549.2)	Subcontract	See Report					
EDB-DBC (EPA 504.1)	Subcontract	See Report					
Endothall (EPA 548.1)	Subcontract	See Report					
Glyphosate (EPA 547)	Subcontract	See Report					
Herbicides (NPS3) (EPA 515.1)	Subcontract	See Report					
Pesticides and PCBs (PESTSDW) (E	Subcontract	See Report					
SVOCs (ML525) (EPA 525)	Subcontract	See Report					
VOCs (VOASDWA) (EPA 524.2)	Subcontract	See Report					

SAMPLE WATER AS TESTED _____ DID _____ DID NOT MEET DRINKING WATER STANDARDS.

Laboratory Accreditation Number: See Subcontract Report for Accreditation Number

Laboratory Sample ID	Customer Sample ID	Date Sampled	Time Sampled	Date Received
S201406-0758	Well #2	6/16/2014	11:30 AM	6/16/2014

Parameter	Method	Result	Units	MCL	Analyst	Date Analyzed	Data Flag
Carbamates (ML531) (EPA 531.1)	Subcontract	See Report					
Diquat (EPA 549.2)	Subcontract	See Report					
EDB-DBC (EPA 504.1)	Subcontract	See Report					
Endothall (EPA 548.1)	Subcontract	See Report					
Glyphosate (EPA 547)	Subcontract	See Report					
Herbicides (NPS3) (EPA 515.1)	Subcontract	See Report					
Pesticides and PCBs (PESTSDW) (E	Subcontract	See Report					
SVOCs (ML525) (EPA 525)	Subcontract	See Report					
VOCs (VOASDWA) (EPA 524.2)	Subcontract	See Report					

SAMPLE WATER AS TESTED _____ DID _X_ DID NOT MEET DRINKING WATER STANDARDS. PCE

John Kobza, Ph.D
Laboratory Director

1135 Financial Blvd.
Reno, Nv 89502-2348
Phone (775) 857-2400
Fax (888) 398-7002
sem@sem-analytical.com

John C. Seher
Special Consultant
Quality Assurance Manager

Laboratory Report
Report ID: 135447

Sierra Environmental Monitoring, Inc.

Lukins Brothers Water Company
Attn: Jennifer Lukins
2031 West Way
South Lake Tahoe, CA 96150

Date: 7/3/2014
Client: LUK-734
Taken by: D. Lukins
PO #:

Analysis Report

Laboratory Accreditation Number: See Subcontract Report for Accreditation Number

Laboratory Sample ID	Customer Sample ID	Date Sampled	Time Sampled	Date Received
S201406-0759	Well #5	6/16/2014	11:35 AM	6/16/2014

Parameter	Method	Result	Units	MCL	Analyst	Date Analyzed	Data Flag
Carbamates (ML531) (EPA 531.1)	Subcontract	See Report					
Diquat (EPA 549.2)	Subcontract	See Report					
EDB-DBC (EPA 504.1)	Subcontract	See Report					
Endothall (EPA 548.1)	Subcontract	See Report					
Glyphosate (EPA 547)	Subcontract	See Report					
Herbicides (NPS3) (EPA 515.1)	Subcontract	See Report					
Pesticides and PCBs (PESTSDW) (E	Subcontract	See Report					
SVOCs (ML525) (EPA 525)	Subcontract	See Report					
VOCs (VOASDWA) (EPA 524.2)	Subcontract	See Report					

SAMPLE WATER AS TESTED ____ DID X DID NOT MEET DRINKING WATER STANDARDS. PCE

Data Flag Legend:

John Kobza, Ph.D
Laboratory Director

1135 Financial Blvd.
Reno, Nv 89502-2348
Phone (775) 857-2400
Fax (888) 398-7002
sem@sem-analytical.com

John C. Seher
Special Consultant
Quality Assurance Manager

Laboratory Report
Report ID: 135447

Sierra Environmental Monitoring, Inc.

Lukins Brothers Water Company
Attn: Jennifer Lukins
2031 West Way
South Lake Tahoe, CA 96150

Date: 7/3/2014
Client: LUK-734
Taken by: D. Lukins
PO #:

Quality Control Report

Parameter	*LCS, % Recovery*	*MS, % Recovery*	*MSD, % Recovery*	*RPD, %*	*Method Blank*
Nitrate-N - Ion Chromatography	97.0	98.0	98.0	0.00	<0.05 mg/L
Nitrite-N - Ion Chromatography	97.0	103.0	103.0	0.00	<0.05 mg/L
NO3 + NO2					

Legend: ***LCS- Laboratory Control Standard*** ***MS- Matrix Spike*** ***MSD- Matrix Spike Duplicate*** ***RPD- Relative Percent Difference***

John Kobza, Ph.D
Laboratory Director

1135 Financial Blvd.
Reno, Nv 89502-2348
Phone (775) 857-2400
Fax (888) 398-7002
sem@sem-analytical.com

John C. Seher
Special Consultant
Quality Assurance Manager

BSK Associates Fresno
1414 Stanislaus St
Fresno, CA93706
559-497-2888 (Main)
559-485-6935 (FAX)

A4F1660
6/30/2014
Invoice: A414091

Robin Procter
Sierra Environmental Monitoring
1135 Financial Blvd
Reno, NV 89502

RE: Report for A4F1660 Drinking Water Organics - EDT

Dear Robin Procter,

Thank you for using BSK Associates for your analytical testing needs. In the following pages, you will find the test results for the samples submitted to our laboratory on 6/18/2014. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

The samples were analyzed for the test(s) indicated on the Chain of Custody (see attached) and the results relate only to the samples analyzed. BSK certifies that the testing was performed in accordance with the quality system requirements specified in the 2003 NELAC Standard. Any deviations from this standard or from the method requirements for each test procedure performed will be annotated alongside the analytical result or noted in the Case Narrative. Unless otherwise noted, the sample results are reported on an "as received" basis.

Thanks again for using BSK Associates. We value your business and appreciate your loyalty.

Sincerely,

John Montierth, Project Manager

If additional clarification of any information is required, please contact your Project Manager, John Montierth , at (800) 877-8310 or (559) 497-2888 x201.

Accredited in Accordance with NELAP
ORELAP #4021

BSK Associates Engineers & Laboratories

A4F1660

Drinking Water Organics - EDT

Case Narrative

Project and Report Details

Client: Sierra Environmental Monitoring
Report To: Robin Procter
Project #: S201306
Received: 6/18/2014 - 10:00
Report Due: 7/02/2014

Invoice Details

Invoice To: Sierra Environmental Monitoring
Invoice Attn: Robin Procter
Project PO#: 135447

Sample Receipt Conditions

Cooler: Default Cooler
Temperature on Receipt °C: 3.5

Containers Intact
COC/Labels Agree
Received On Wet Ice
Packing Material - Bubble Wrap
Sample(s) were received in temperature range.
Initial receipt at BSK-FAL

Cooler: New Cooler
Temperature on Receipt °C: 2.6

Containers Intact
COC/Labels Agree
Received On Wet Ice
Packing Material - Bubble Wrap
Sample(s) were received in temperature range.
Initial receipt at BSK-FAL

Cooler: New Cooler [1]
Temperature on Receipt °C: 2.3

Containers Intact
COC/Labels Agree
Received On Wet Ice
Packing Material - Bubble Wrap
Sample(s) were received in temperature range.
Initial receipt at BSK-FAL

Data Qualifiers

The following qualifiers have been applied to one or more analytical results:

BS	Blank spike recoveries did not meet acceptance limits.
BS1.0	Blank spike recovery for this analyte was biased high; no material impact on reported result as sample is ND for this parameter.
MS1.0	Matrix spike recoveries exceed control limits.
SR3.0	Surrogate recovery exceeds control limits. No material impact as all associated spike recoveries are within acceptable limits.

Report Distribution

Recipient(s)	Report Format	CC:
Reporting	FINAL.RPT	rprocter@sem-analytical.com
Reporting	WRITEON.RPT	rprocter@sem-analytical.com
Robin Procter	FINAL.RPT	

BSK Associates Engineers & Laboratories

A4F1660

Drinking Water Organics - EDT

S201306

Certificate of Analysis

Sample ID: A4F1660-01
Sampled By: D. Lukins
Sample Description: S201406-0757 - Well #1

Sample Date - Time: 06/16/14 - 10:50
Matrix: Water
Sample Type: Grab

BSK Associates Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
EDB and DBCP by GC-ECD									
Dibromochloropropane (DBCP)	EPA 504.1	ND	0.010	ug/L	1	A407594	06/19/14	06/21/14	
Ethylene Dibromide (EDB)	EPA 504.1	ND	0.020	ug/L	1	A407594	06/19/14	06/21/14	
Surrogate: 1-Br-2-Nitrobenzene	EPA 504.1	102 %	*Acceptable range: 70-130 %*						
Organohalide Pesticides and PCBs by GC-ECD									
Aldrin	EPA 505	ND	0.075	ug/L	1	A407594	06/19/14	06/21/14	
Chlordane	EPA 505	ND	0.10	ug/L	1	A407594	06/19/14	06/21/14	
Chlorothalonil	EPA 505	ND	6.0	ug/L	1	A407594	06/19/14	06/21/14	
Dieldrin	EPA 505	ND	0.020	ug/L	1	A407594	06/19/14	06/21/14	
Endrin	EPA 505	ND	0.10	ug/L	1	A407594	06/19/14	06/21/14	
Heptachlor	EPA 505	ND	0.010	ug/L	1	A407594	06/19/14	06/21/14	
Heptachlor Epoxide	EPA 505	ND	0.010	ug/L	1	A407594	06/19/14	06/21/14	
Hexachlorobenzene	EPA 505	ND	0.50	ug/L	1	A407594	06/19/14	06/21/14	
Hexachlorocyclopentadiene	EPA 505	ND	1.0	ug/L	1	A407594	06/19/14	06/21/14	
Lindane	EPA 505	ND	0.20	ug/L	1	A407594	06/19/14	06/21/14	
Methoxychlor	EPA 505	ND	10	ug/L	1	A407594	06/19/14	06/21/14	
PCB Aroclor Screen	EPA 505	ND	0.50	ug/L	1	A407594	06/19/14	06/21/14	
Toxaphene	EPA 505	ND	1.0	ug/L	1	A407594	06/19/14	06/21/14	
Trifluralin	EPA 505	ND	1.0	ug/L	1	A407594	06/19/14	06/21/14	
Surrogate: 1-Br-2-Nitrobenzene	EPA 505	102 %	*Acceptable range: 70-130 %*						
Chlorinated Acid Herbicides by GC-ECD									
2,4,5-T	EPA 515.3	ND	1.0	ug/L	1	A407838	06/24/14	06/26/14	
2,4,5-TP (Silvex)	EPA 515.3	ND	1.0	ug/L	1	A407838	06/24/14	06/26/14	
2,4-D	EPA 515.3	ND	10	ug/L	1	A407838	06/24/14	06/26/14	
Bentazon	EPA 515.3	ND	2.0	ug/L	1	A407838	06/24/14	06/26/14	
Dalapon	EPA 515.3	ND	10	ug/L	1	A407838	06/24/14	06/26/14	
Dicamba	EPA 515.3	ND	1.5	ug/L	1	A407838	06/24/14	06/26/14	
Dinoseb	EPA 515.3	ND	2.0	ug/L	1	A407838	06/24/14	06/26/14	
Pentachlorophenol	EPA 515.3	ND	0.20	ug/L	1	A407838	06/24/14	06/26/14	
Picloram	EPA 515.3	ND	1.0	ug/L	1	A407838	06/24/14	06/26/14	
Surrogate: DCPAA	EPA 515.3	96 %	*Acceptable range: 70-130 %*						
Volatile Organics by GC-MS									
1,1,1,2-Tetrachloroethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,1,1-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,1,2,2-Tetrachloroethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	ND	10	ug/L	1	A407631	06/20/14	06/20/14	
1,1,2-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,1-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,1-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,1-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	

BSK Associates Engineers & Laboratories

A4F1660

Drinking Water Organics - EDT

S201306

Certificate of Analysis

Sample ID: A4F1660-01
Sampled By: D. Lukins
Sample Description: S201406-0757 - Well #1

Sample Date - Time: 06/16/14 - 10:50
Matrix: Water
Sample Type: Grab

Organics

Analyte	Method	Result	RL	Units	RL Mult.	Batch	Prepared	Analyzed	Qual
Volatile Organics by GC-MS									
1,2,3-Trichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,2,4-Trichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,2,4-Trimethylbenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,2-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,2-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,2-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,3,5-Trimethylbenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,3-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,3-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,4-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
2,2-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
2-Butanone	EPA 524.2	ND	5.0	ug/L	1	A407631	06/20/14	06/20/14	
2-Chlorotoluene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
2-Hexanone	EPA 524.2	ND	10	ug/L	1	A407631	06/20/14	06/20/14	
4-Chlorotoluene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
4-Methyl-2-pentanone	EPA 524.2	ND	5.0	ug/L	1	A407631	06/20/14	06/20/14	
Acetone	EPA 524.2	ND	10	ug/L	1	A407631	06/20/14	06/20/14	BS1.0
Benzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Bromobenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Bromochloromethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Bromodichloromethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Bromoform	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Bromomethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	BS1.0
Carbon Tetrachloride	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Chlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Chloroethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Chloroform	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Chloromethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
cis-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
cis-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Dibromochloromethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Dibromomethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Dichlorodifluoromethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Dichloromethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Di-isopropyl ether (DIPE)	EPA 524.2	ND	3.0	ug/L	1	A407631	06/20/14	06/20/14	
Ethyl tert-Butyl Ether (ETBE)	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Ethylbenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Hexachlorobutadiene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Isopropylbenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
m,p-Xylenes	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Methyl-t-butyl ether	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Naphthalene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	

BSK Associates Engineers & Laboratories

A4F1660

Drinking Water Organics - EDT

S201306

Certificate of Analysis

Sample ID: A4F1660-01
Sampled By: D. Lukins
Sample Description: S201406-0757 - Well #1

Sample Date - Time: 06/16/14 - 10:50
Matrix: Water
Sample Type: Grab

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics by GC-MS									
n-Butylbenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
n-Propylbenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
o-Xylene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
p-Isopropyltoluene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
sec-Butylbenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Styrene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	BS1.0
tert-Amyl Methyl Ether (TAME)	EPA 524.2	ND	3.0	ug/L	1	A407631	06/20/14	06/20/14	
tert-Butyl alcohol (TBA)	EPA 524.2	ND	2.0	ug/L	1	A407631	06/20/14	06/20/14	
tert-Butylbenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Tetrachloroethene (PCE)	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Toluene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
trans-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
trans-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Trichloroethane (TCE)	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Trichlorofluoromethane	EPA 524.2	ND	5.0	ug/L	1	A407631	06/20/14	06/20/14	
Vinyl Chloride	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Surrogate: 1,2-Dichlorobenzene-d4	EPA 524.2	105 %	*Acceptable range: 70-130 %*						
Surrogate: Bromofluorobenzene	EPA 524.2	114 %	*Acceptable range: 70-130 %*						
Total 1,3-Dichloropropene, EPA 524.2		ND	0.50	ug/L					
Total Trihalomethanes, EPA 524.2		ND	0.50	ug/L					
Total Xylenes, EPA 524.2		ND	0.50	ug/L					
Semi-Volatile Organics by GC-MS									
Alachlor	EPA 525.2	ND	1.0	ug/L	1	A407771	06/24/14	06/25/14	
Atrazine	EPA 525.2	ND	0.50	ug/L	1	A407771	06/24/14	06/25/14	
Benzo(a)pyrene	EPA 525.2	ND	0.10	ug/L	1	A407771	06/24/14	06/25/14	
Bis(2-ethylhexyl) adipate	EPA 525.2	ND	3.0	ug/L	1	A407771	06/24/14	06/25/14	
Bis(2-ethylhexyl) phthalate	EPA 525.2	ND	3.0	ug/L	1	A407771	06/24/14	06/25/14	
Bromacil	EPA 525.2	ND	10	ug/L	1	A407771	06/24/14	06/25/14	
Butachlor	EPA 525.2	ND	0.38	ug/L	1	A407771	06/24/14	06/25/14	
Diazinon	EPA 525.2	ND	0.25	ug/L	1	A407771	06/24/14	06/25/14	
Dimethoate	EPA 525.2	ND	10	ug/L	1	A407771	06/24/14	06/25/14	
Metolachlor	EPA 525.2	ND	0.50	ug/L	1	A407771	06/24/14	06/25/14	
Metribuzin	EPA 525.2	ND	0.50	ug/L	1	A407771	06/24/14	06/25/14	
Molinate	EPA 525.2	ND	2.0	ug/L	1	A407771	06/24/14	06/25/14	
Propachlor	EPA 525.2	ND	0.50	ug/L	1	A407771	06/24/14	06/25/14	
Simazine	EPA 525.2	ND	1.0	ug/L	1	A407771	06/24/14	06/25/14	
Thiobencarb	EPA 525.2	ND	1.0	ug/L	1	A407771	06/24/14	06/25/14	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	EPA 525.2	105 %	*Acceptable range: 70-130 %*						
Carbamates by HPLC									
3-Hydroxycarbofuran	EPA 531.1	ND	3.0	ug/L	1	A407688	06/21/14	06/21/14	

BSK Associates
Engineers & Laboratories

A4F1660
Drinking Water Organics - EDT
S201306

Certificate of Analysis

Sample ID: A4F1660-01
Sampled By: D. Lukins
Sample Description: S201406-0757 - Well #1

Sample Date - Time: 06/16/14 - 10:50
Matrix: Water
Sample Type: Grab

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Carbamates by HPLC									
Aldicarb	EPA 531.1	ND	3.0	ug/L	1	A407686	06/21/14	06/21/14	
Aldicarb Sulfone	EPA 531.1	ND	2.0	ug/L	1	A407686	06/21/14	06/21/14	
Aldicarb Sulfoxide	EPA 531.1	ND	3.0	ug/L	1	A407686	06/21/14	06/21/14	
Carbaryl	EPA 531.1	ND	5.0	ug/L	1	A407686	06/21/14	06/21/14	
Carbofuran	EPA 531.1	ND	5.0	ug/L	1	A407686	06/21/14	06/21/14	
Methomyl	EPA 531.1	ND	2.0	ug/L	1	A407686	06/21/14	06/21/14	
Oxamyl	EPA 531.1	ND	20	ug/L	1	A407686	06/21/14	06/21/14	
Glyphosate by HPLC									
Glyphosate	EPA 547	ND	25	ug/L	1	A407534	06/18/14	06/20/14	
Surrogate: AMPA	EPA 547	111 %	*Acceptable range: 70-130 %*						
Endothall by GC-MS									
Endothall	EPA 548.1	ND	45	ug/L	1	A407684	06/20/14	06/23/14	
Diquat by HPLC									
Diquat	EPA 549.2	ND	4.0	ug/L	1	A407677	06/20/14	06/23/14	

BSK Associates Engineers & Laboratories

A4F1660

Drinking Water Organics - EDT

S201306

Certificate of Analysis

Sample ID: A4F1660-02
Sampled By: D. Lukins
Sample Description: S201406-0758 - Well #2

Sample Date - Time: 06/16/14 - 11:30
Matrix: Water
Sample Type: Grab

BSK Associates Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
EDB and DBCP by GC-ECD									
Dibromochloropropane (DBCP)	EPA 504.1	ND	0.010	ug/L	1	A407594	06/19/14	06/21/14	
Ethylene Dibromide (EDB)	EPA 504.1	ND	0.020	ug/L	1	A407594	06/19/14	06/21/14	
Surrogate: 1-Br-2-Nitrobenzene	EPA 504.1	103 %	*Acceptable range: 70-130 %*						
Organohalide Pesticides and PCBs by GC-ECD									
Aldrin	EPA 505	ND	0.075	ug/L	1	A407594	06/19/14	06/21/14	
Chlordane	EPA 505	ND	0.10	ug/L	1	A407594	06/19/14	06/21/14	
Chlorothalonil	EPA 505	ND	5.0	ug/L	1	A407594	06/19/14	06/21/14	
Dieldrin	EPA 505	ND	0.020	ug/L	1	A407594	06/19/14	06/21/14	
Endrin	EPA 505	ND	0.10	ug/L	1	A407594	06/19/14	06/21/14	
Heptachlor	EPA 505	ND	0.010	ug/L	1	A407594	06/19/14	06/21/14	
Heptachlor Epoxide	EPA 505	ND	0.010	ug/L	1	A407594	06/19/14	06/21/14	
Hexachlorobenzene	EPA 505	ND	0.50	ug/L	1	A407594	06/19/14	06/21/14	
Hexachlorocyclopentadiene	EPA 505	ND	1.0	ug/L	1	A407594	06/19/14	06/21/14	
Lindane	EPA 505	ND	0.20	ug/L	1	A407594	06/19/14	06/21/14	
Methoxychlor	EPA 505	ND	10	ug/L	1	A407594	06/19/14	06/21/14	
PCB Aroclor Screen	EPA 505	ND	0.50	ug/L	1	A407594	06/19/14	06/21/14	
Toxaphene	EPA 505	ND	1.0	ug/L	1	A407594	06/19/14	06/21/14	
Trifluralin	EPA 505	ND	1.0	ug/L	1	A407594	06/19/14	06/21/14	
Surrogate: 1-Br-2-Nitrobenzene	EPA 505	103 %	*Acceptable range: 70-130 %*						
Chlorinated Acid Herbicides by GC-ECD									
2,4,5-T	EPA 515.3	ND	1.0	ug/L	1	A407838	06/24/14	06/26/14	
2,4,5-TP (Silvex)	EPA 515.3	ND	1.0	ug/L	1	A407838	06/24/14	06/26/14	
2,4-D	EPA 515.3	ND	10	ug/L	1	A407838	06/24/14	06/26/14	
Bentazon	EPA 515.3	ND	2.0	ug/L	1	A407838	06/24/14	06/26/14	
Dalapon	EPA 515.3	ND	10	ug/L	1	A407838	06/24/14	06/26/14	
Dicamba	EPA 515.3	ND	1.5	ug/L	1	A407838	06/24/14	06/26/14	
Dinoseb	EPA 515.3	ND	2.0	ug/L	1	A407838	06/24/14	06/26/14	
Pentachlorophenol	EPA 515.3	ND	0.20	ug/L	1	A407838	06/24/14	06/26/14	
Picloram	EPA 515.3	ND	1.0	ug/L	1	A407838	06/24/14	06/26/14	
Surrogate: DCPAA	EPA 515.3	98 %	*Acceptable range: 70-130 %*						
Volatile Organics by GC-MS									
1,1,1,2-Tetrachloroethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,1,1-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,1,2,2-Tetrachloroethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	ND	10	ug/L	1	A407631	06/20/14	06/20/14	
1,1,2-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,1-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,1-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,1-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	

BSK Associates
Engineers & Laboratories

A4F1660

Drinking Water Organics - EDT

S201306

Certificate of Analysis

Sample ID: A4F1660-02
Sampled By: D. Lukins
Sample Description: S201406-0758 - Well #2

Sample Date - Time: 06/16/14 - 11:30
Matrix: Water
Sample Type: Grab

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics by GC-MS									
1,2,3-Trichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,2,4-Trichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,2,4-Trimethylbenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,2-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,2-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,2-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,3,5-Trimethylbenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,3-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,3-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,4-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
2,2-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
2-Butanone	EPA 524.2	ND	5.0	ug/L	1	A407631	06/20/14	06/20/14	
2-Chlorotoluene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
2-Hexanone	EPA 524.2	ND	10	ug/L	1	A407631	06/20/14	06/20/14	
4-Chlorotoluene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
4-Methyl-2-pentanone	EPA 524.2	ND	5.0	ug/L	1	A407631	06/20/14	06/20/14	
Acetone	EPA 524.2	ND	10	ug/L	1	A407631	06/20/14	06/20/14	BS1.0
Benzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Bromobenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Bromochloromethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Bromodichloromethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Bromoform	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Bromomethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Carbon Tetrachloride	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	BS1.0
Chlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Chloroethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Chloroform	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Chloromethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
cis-1,2-Dichloroethene	EPA 524.2	1.1	0.50	ug/L	1	A407631	06/20/14	06/20/14	
cis-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Dibromochloromethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Dibromomethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Dichlorodifluoromethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Dichloromethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Di-isopropyl ether (DIPE)	EPA 524.2	ND	3.0	ug/L	1	A407631	06/20/14	06/20/14	
Ethyl tert-Butyl Ether (ETBE)	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Ethylbenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Hexachlorobutadiene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Isopropylbenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
m,p-Xylenes	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Methyl-t-butyl ether	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Naphthalene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	

BSK Associates Engineers & Laboratories

A4F1660

Drinking Water Organics - EDT

S201306

Certificate of Analysis

Sample ID: A4F1660-02
Sampled By: D. Lukins
Sample Description: S201406-0758 - Well #2 130 gpm

Sample Date - Time: 06/16/14 - 11:30
Matrix: Water
Sample Type: Grab

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics by GC-MS									
n-Butylbenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
n-Propylbenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
o-Xylene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
p-Isopropyltoluene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
sec-Butylbenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Styrene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	BS1.0
tert-Amyl Methyl Ether (TAME)	EPA 524.2	ND	3.0	ug/L	1	A407631	06/20/14	06/20/14	
tert-Butyl alcohol (TBA)	EPA 524.2	ND	2.0	ug/L	1	A407631	06/20/14	06/20/14	
tert-Butylbenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Tetrachloroethene (PCE)	EPA 524.2	46	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Toluene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
trans-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
trans-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Trichloroethene (TCE)	EPA 524.2	0.72	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Trichlorofluoromethane	EPA 524.2	ND	5.0	ug/L	1	A407631	06/20/14	06/20/14	
Vinyl Chloride	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Surrogate: 1,2-Dichlorobenzene-d4	EPA 524.2	98 %	*Acceptable range: 70-130 %*						
Surrogate: Bromofluorobenzene	EPA 524.2	100 %	*Acceptable range: 70-130 %*						
Total 1,3-Dichloropropene, EPA 524.2		ND	0.50	ug/L					
Total Trihalomethanes, EPA 524.2		ND	0.50	ug/L					
Total Xylenes, EPA 524.2		ND	0.50	ug/L					
Semi-Volatile Organics by GC-MS									
Alachlor	EPA 525.2	ND	1.0	ug/L	1	A407943	06/26/14	06/27/14	
Atrazine	EPA 525.2	ND	0.50	ug/L	1	A407943	06/26/14	06/27/14	
Benzo(a)pyrene	EPA 525.2	ND	0.10	ug/L	1	A407943	06/26/14	06/27/14	
Bis(2-ethylhexyl) adipate	EPA 525.2	ND	3.0	ug/L	1	A407943	06/26/14	06/27/14	
Bis(2-ethylhexyl) phthalate	EPA 525.2	ND	3.0	ug/L	1	A407943	06/26/14	06/27/14	
Bromacil	EPA 525.2	ND	10	ug/L	1	A407943	06/26/14	06/27/14	BS1.0
Butachlor	EPA 525.2	ND	0.38	ug/L	1	A407943	06/26/14	06/27/14	
Diazinon	EPA 525.2	ND	0.25	ug/L	1	A407943	06/26/14	06/27/14	
Dimethoate	EPA 525.2	ND	10	ug/L	1	A407943	06/26/14	06/27/14	
Metolachlor	EPA 525.2	ND	0.50	ug/L	1	A407943	06/26/14	06/27/14	
Metribuzin	EPA 525.2	ND	0.50	ug/L	1	A407943	06/26/14	06/27/14	
Molinate	EPA 525.2	ND	2.0	ug/L	1	A407943	06/26/14	06/27/14	
Propachlor	EPA 525.2	ND	0.50	ug/L	1	A407943	06/26/14	06/27/14	
Simazine	EPA 525.2	ND	1.0	ug/L	1	A407943	06/26/14	06/27/14	
Thiobencarb	EPA 525.2	ND	1.0	ug/L	1	A407943	06/26/14	06/27/14	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	EPA 525.2	120 %	*Acceptable range: 70-130 %*						
Carbamates by HPLC									
3-Hydroxycarbofuran	EPA 531.1	ND	3.0	ug/L	1	A407686	06/21/14	06/21/14	

BSK Associates
Engineers & Laboratories

A4F1660

Drinking Water Organics - EDT

S201306

Certificate of Analysis

Sample ID: A4F1660-02
Sampled By: D. Lukins
Sample Description: S201406-0758 - Well #2

Sample Date - Time: 06/16/14 - 11:30
Matrix: Water
Sample Type: Grab

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Carbamates by HPLC									
Aldicarb	EPA 531.1	ND	3.0	ug/L	1	A407686	06/21/14	06/21/14	
Aldicarb Sulfone	EPA 531.1	ND	2.0	ug/L	1	A407686	06/21/14	06/21/14	
Aldicarb Sulfoxide	EPA 531.1	ND	3.0	ug/L	1	A407686	06/21/14	06/21/14	
Carbaryl	EPA 531.1	ND	5.0	ug/L	1	A407686	06/21/14	06/21/14	
Carbofuran	EPA 531.1	ND	5.0	ug/L	1	A407686	06/21/14	06/21/14	
Methomyl	EPA 531.1	ND	2.0	ug/L	1	A407686	06/21/14	06/21/14	
Oxamyl	EPA 531.1	ND	20	ug/L	1	A407686	06/21/14	06/21/14	
Glyphosate by HPLC									
Glyphosate	EPA 547	ND	25	ug/L	1	A407534	06/18/14	06/21/14	
Surrogate: AMPA	EPA 547	123 %	*Acceptable range: 70-130 %*						
Endothall by GC-MS									
Endothall	EPA 548.1	ND	45	ug/L	1	A407664	06/20/14	06/23/14	
Diquat by HPLC									
Diquat	EPA 549.2	ND	4.0	ug/L	1	A407677	06/20/14	06/23/14	

BSK Associates Engineers & Laboratories

A4F1660

Drinking Water Organics - EDT

S201306

Certificate of Analysis

Sample ID: A4F1660-03
Sampled By: D. Lukins
Sample Description: S201406-0759 - Well #5

Sample Date - Time: 06/16/14 - 11:35
Matrix: Water
Sample Type: Grab

BSK Associates Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
EDB and DBCP by GC-ECD									
Dibromochloropropane (DBCP)	EPA 504.1	ND	0.010	ug/L	1	A407594	06/19/14	06/21/14	
Ethylene Dibromide (EDB)	EPA 504.1	ND	0.020	ug/L	1	A407594	06/19/14	06/21/14	
Surrogate: 1-Br-2-Nitrobenzene	EPA 504.1	109 %	*Acceptable range: 70-130 %*						
Organohalide Pesticides and PCBs by GC-ECD									
Aldrin	EPA 505	ND	0.075	ug/L	1	A407594	06/19/14	06/21/14	
Chlordane	EPA 505	ND	0.10	ug/L	1	A407594	06/19/14	06/21/14	
Chlorothalonil	EPA 505	ND	5.0	ug/L	1	A407594	06/19/14	06/21/14	
Dieldrin	EPA 505	ND	0.020	ug/L	1	A407594	06/19/14	06/21/14	
Endrin	EPA 505	ND	0.10	ug/L	1	A407594	06/19/14	06/21/14	
Heptachlor	EPA 505	ND	0.010	ug/L	1	A407594	06/19/14	06/21/14	
Heptachlor Epoxide	EPA 505	ND	0.010	ug/L	1	A407594	06/19/14	06/21/14	
Hexachlorobenzene	EPA 505	ND	0.50	ug/L	1	A407594	06/19/14	06/21/14	
Hexachlorocyclopentadiene	EPA 505	ND	1.0	ug/L	1	A407594	06/19/14	06/21/14	
Lindane	EPA 505	ND	0.20	ug/L	1	A407594	06/19/14	06/21/14	
Methoxychlor	EPA 505	ND	10	ug/L	1	A407594	06/19/14	06/21/14	
PCB Aroclor Screen	EPA 505	ND	0.50	ug/L	1	A407594	06/19/14	06/21/14	
Toxaphene	EPA 505	ND	1.0	ug/L	1	A407594	06/19/14	06/21/14	
Trifluralin	EPA 505	ND	1.0	ug/L	1	A407594	06/19/14	06/21/14	
Surrogate: 1-Br-2-Nitrobenzene	EPA 505	109 %	*Acceptable range: 70-130 %*						
Chlorinated Acid Herbicides by GC-ECD									
2,4,5-T	EPA 515.3	ND	1.0	ug/L	1	A407838	06/24/14	06/26/14	
2,4,5-TP (Silvex)	EPA 515.3	ND	1.0	ug/L	1	A407838	06/24/14	06/26/14	
2,4-D	EPA 515.3	ND	10	ug/L	1	A407838	06/24/14	06/26/14	
Bentazon	EPA 515.3	ND	2.0	ug/L	1	A407838	06/24/14	06/26/14	
Dalapon	EPA 515.3	ND	10	ug/L	1	A407838	06/24/14	06/26/14	
Dicamba	EPA 515.3	ND	1.5	ug/L	1	A407838	06/24/14	06/26/14	
Dinoseb	EPA 515.3	ND	2.0	ug/L	1	A407838	06/24/14	06/26/14	
Pentachlorophenol	EPA 515.3	ND	0.20	ug/L	1	A407838	06/24/14	06/26/14	
Picloram	EPA 515.3	ND	1.0	ug/L	1	A407838	06/24/14	06/26/14	
Surrogate: DCPAA	EPA 515.3	96 %	*Acceptable range: 70-130 %*						
Volatile Organics by GC-MS									
1,1,1,2-Tetrachloroethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,1,1-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,1,2,2-Tetrachloroethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	ND	10	ug/L	1	A407631	06/20/14	06/20/14	
1,1,2-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,1-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,1-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,1-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	

BSK Associates Engineers & Laboratories

A4F1660

Drinking Water Organics - EDT

S201306

Certificate of Analysis

Sample ID: A4F1660-03
Sampled By: D. Lukins
Sample Description: S201406-0759 - Well #5

Sample Date - Time: 06/16/14 - 11:35
Matrix: Water
Sample Type: Grab

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics by GC-MS									
1,2,3-Trichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,2,4-Trichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,2,4-Trimethylbenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,2-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,2-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,2-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,3,5-Trimethylbenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,3-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,3-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
1,4-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
2,2-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
2-Butanone	EPA 524.2	ND	5.0	ug/L	1	A407631	06/20/14	06/20/14	
2-Chlorotoluene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
2-Hexanone	EPA 524.2	ND	10	ug/L	1	A407631	06/20/14	06/20/14	
4-Chlorotoluene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
4-Methyl-2-pentanone	EPA 524.2	ND	5.0	ug/L	1	A407631	06/20/14	06/20/14	
Acetone	EPA 524.2	ND	10	ug/L	1	A407631	06/20/14	06/20/14	BS1.0
Benzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Bromobenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Bromochloromethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Bromodichloromethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Bromoform	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Bromomethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	BS1.0
Carbon Tetrachloride	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Chlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Chloroethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Chloroform	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Chloromethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
cis-1,2-Dichloroethene	EPA 524.2	1.1	0.50	ug/L	1	A407631	06/20/14	06/20/14	
cis-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Dibromochloromethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Dibromomethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Dichlorodifluoromethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Dichloromethane	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Di-Isopropyl ether (DIPE)	EPA 524.2	ND	3.0	ug/L	1	A407631	06/20/14	06/20/14	
Ethyl tert-Butyl Ether (ETBE)	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Ethylbenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Hexachlorobutadiene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Isopropylbenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
m,p-Xylenes	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Methyl-t-butyl ether	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Naphthalene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	

BSK Associates Engineers & Laboratories

A4F1660

Drinking Water Organics - EDT

S201306

Certificate of Analysis

Sample ID: A4F1660-03
Sampled By: D. Lukins
Sample Description: S201406-0759 - Well #5 500gpm

Sample Date - Time: 06/16/14 - 11:35
Matrix: Water
Sample Type: Grab

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics by GC-MS									
n-Butylbenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
n-Propylbenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
o-Xylene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
p-Isopropyltoluene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
sec-Butylbenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Styrene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	BS1.0
tert-Amyl Methyl Ether (TAME)	EPA 524.2	ND	3.0	ug/L	1	A407631	06/20/14	06/20/14	
tert-Butyl alcohol (TBA)	EPA 524.2	ND	2.0	ug/L	1	A407631	06/20/14	06/20/14	
tert-Butylbenzene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Tetrachloroethene (PCE)	EPA 524.2	43	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Toluene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
trans-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
trans-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Trichloroethene (TCE)	EPA 524.2	0.69	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Trichlorofluoromethane	EPA 524.2	ND	5.0	ug/L	1	A407631	06/20/14	06/20/14	
Vinyl Chloride	EPA 524.2	ND	0.50	ug/L	1	A407631	06/20/14	06/20/14	
Surrogate: 1,2-Dichlorobenzene-d4	EPA 524.2	97 %	*Acceptable range: 70-130 %*						
Surrogate: Bromofluorobenzene	EPA 524.2	101 %	*Acceptable range: 70-130 %*						
Total 1,3-Dichloropropene, EPA 524.2		ND	0.50	ug/L					
Total Trihalomethanes, EPA 524.2		ND	0.50	ug/L					
Total Xylenes, EPA 524.2		ND	0.50	ug/L					
Semi-Volatile Organics by GC-MS									
Alachlor	EPA 525.2	ND	1.0	ug/L	1	A407943	06/26/14	06/27/14	
Atrazine	EPA 525.2	ND	0.50	ug/L	1	A407943	06/26/14	06/27/14	
Benzo(a)pyrene	EPA 525.2	ND	0.10	ug/L	1	A407943	06/26/14	06/27/14	
Bis(2-ethylhexyl) adipate	EPA 525.2	ND	3.0	ug/L	1	A407943	06/26/14	06/27/14	
Bis(2-ethylhexyl) phthalate	EPA 525.2	ND	3.0	ug/L	1	A407943	06/26/14	06/27/14	
Bromacil	EPA 525.2	ND	10	ug/L	1	A407943	06/26/14	06/27/14	BS1.0
Butachlor	EPA 525.2	ND	0.38	ug/L	1	A407943	06/26/14	06/27/14	
Diazinon	EPA 525.2	ND	0.25	ug/L	1	A407943	06/26/14	06/27/14	
Dimethoate	EPA 525.2	ND	10	ug/L	1	A407943	06/26/14	06/27/14	
Metolachlor	EPA 525.2	ND	0.50	ug/L	1	A407943	06/26/14	06/27/14	
Metribuzin	EPA 525.2	ND	0.50	ug/L	1	A407943	06/26/14	06/27/14	
Molinate	EPA 525.2	ND	2.0	ug/L	1	A407943	06/26/14	06/27/14	
Propachlor	EPA 525.2	ND	0.50	ug/L	1	A407943	06/26/14	06/27/14	
Simazine	EPA 525.2	ND	1.0	ug/L	1	A407943	06/26/14	06/27/14	
Thiobencarb	EPA 525.2	ND	1.0	ug/L	1	A407943	06/26/14	06/27/14	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	EPA 525.2	113 %	*Acceptable range: 70-130 %*						
Carbamates by HPLC									
3-Hydroxycarbofuran	EPA 531.1	ND	3.0	ug/L	1	A407686	06/21/14	06/21/14	

BSK Associates
Engineers & Laboratories

A4F1660
Drinking Water Organics - EDT
S201306

Certificate of Analysis

Sample ID: A4F1660-03
Sampled By: D. Lukins
Sample Description: S201406-0759 - Well #5

Sample Date - Time: 06/16/14 - 11:35
Matrix: Water
Sample Type: Grab

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Carbamates by HPLC									
Aldicarb	EPA 531.1	ND	3.0	ug/L	1	A407686	06/21/14	06/21/14	
Aldicarb Sulfone	EPA 531.1	ND	2.0	ug/L	1	A407686	06/21/14	06/21/14	
Aldicarb Sulfoxide	EPA 531.1	ND	3.0	ug/L	1	A407686	06/21/14	06/21/14	
Carbaryl	EPA 531.1	ND	5.0	ug/L	1	A407686	06/21/14	06/21/14	
Carbofuran	EPA 531.1	ND	5.0	ug/L	1	A407686	06/21/14	06/21/14	
Methomyl	EPA 531.1	ND	2.0	ug/L	1	A407686	06/21/14	06/21/14	
Oxamyl	EPA 531.1	ND	20	ug/L	1	A407686	06/21/14	06/21/14	
Glyphosate by HPLC									
Glyphosate	EPA 547	ND	25	ug/L	1	A407534	06/18/14	06/21/14	
Surrogate: AMPA	EPA 547	125 %	*Acceptable range: 70-130 %*						
Endothall by GC-MS									
Endothall	EPA 548.1	ND	45	ug/L	1	A407684	06/20/14	06/23/14	
Diquat by HPLC									
Diquat	EPA 549.2	ND	4.0	ug/L	1	A407761	06/23/14	06/27/14	

BSK Associates Engineers & Laboratories

A4F1660

Drinking Water Organics - EDT

BSK Associates Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 504.1 - Quality Control											
Batch: A407594										Prepared: 06/19/2014	
Prep Method: EPA 505										Analyst: GAK	
Blank (A407594-BLK1)											
Dibromochloropropane (DBCP)	ND	0.010	ug/L							06/20/14	
Ethylene Dibromide (EDB)	ND	0.020	ug/L							06/20/14	
Surrogate: 1-Br-2-Nitrobenzene	*0.47*			*0.46*		*102*	*70-130*			06/20/14	
Blank Spike (A407594-BS1)											
Dibromochloropropane (DBCP)	0.19	0.010	ug/L	0.20		96	70-130			06/20/14	
Ethylene Dibromide (EDB)	0.16	0.020	ug/L	0.20		81	70-130			06/20/14	
Surrogate: 1-Br-2-Nitrobenzene	*0.46*			*0.46*		*100*	*70-130*			06/20/14	
Blank Spike Dup (A407594-BSD1)											
Dibromochloropropane (DBCP)	0.19	0.010	ug/L	0.20		94	70-130	2	20	06/21/14	
Ethylene Dibromide (EDB)	0.16	0.020	ug/L	0.20		82	70-130	2	20	06/21/14	
Surrogate: 1-Br-2-Nitrobenzene	*0.46*			*0.46*		*101*	*70-130*			06/21/14	
Matrix Spike (A407594-MS1), Source: A4F1372-01											
Dibromochloropropane (DBCP)	0.19	0.010	ug/L	0.21	ND	94	65-135			06/20/14	
Ethylene Dibromide (EDB)	0.16	0.020	ug/L	0.21	ND	78	65-135			06/20/14	
Surrogate: 1-Br-2-Nitrobenzene	*0.47*			*0.47*		*101*	*70-130*			06/20/14	
Matrix Spike Dup (A407594-MSD1), Source: A4F1372-01											
Dibromochloropropane (DBCP)	0.19	0.010	ug/L	0.20	ND	94	65-135	0	20	06/20/14	
Ethylene Dibromide (EDB)	0.15	0.020	ug/L	0.20	ND	76	65-135	3	20	06/20/14	
Surrogate: 1-Br-2-Nitrobenzene	*0.47*			*0.47*		*100*	*70-130*			06/20/14	
EPA 505 - Quality Control											
Batch: A407594										Prepared: 06/19/2014	
Prep Method: EPA 505										Analyst: GAK	
Blank (A407594-BLK1)											
Aldrin	ND	0.075	ug/L							06/20/14	
Chlordane	ND	0.10	ug/L							06/20/14	
Chlorothalonil	ND	5.0	ug/L							06/20/14	
Dieldrin	ND	0.020	ug/L							06/20/14	
Endrin	ND	0.10	ug/L							06/20/14	
Heptachlor	ND	0.010	ug/L							06/20/14	
Heptachlor Epoxide	ND	0.010	ug/L							06/20/14	
Hexachlorobenzene	ND	0.50	ug/L							06/20/14	
Hexachlorocyclopentadiene	ND	1.0	ug/L							06/20/14	
Lindane	ND	0.20	ug/L							06/20/14	
Methoxychlor	ND	10	ug/L							06/20/14	
PCB Aroclor Screen	ND	0.50	ug/L							06/20/14	
Toxaphene	ND	1.0	ug/L							06/20/14	
Trifluralin	ND	1.0	ug/L							06/20/14	
Surrogate: 1-Br-2-Nitrobenzene	*0.47*			*0.46*		*102*	*70-130*			06/20/14	

EPA 505 - Quality Control

Batch: A407594

Prep Method: EPA 505

Prepared: 06/19/2014

Analyst: GAK

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Blank Spike (A407594-BS1)											
Aldrin	1.2	0.075	ug/L	1.5		84	70-130			06/20/14	
Chlorothalonil	2.0	5.0	ug/L	2.0		102	70-130			06/20/14	
Dieldrin	0.40	0.020	ug/L	0.40		100	70-130			06/20/14	
Endrin	0.20	0.10	ug/L	0.20		101	70-130			06/20/14	
Heptachlor	0.18	0.010	ug/L	0.20		88	70-130			06/20/14	
Heptachlor Epoxide	0.20	0.010	ug/L	0.20		99	70-130			06/20/14	
Hexachlorobenzene	1.7	0.50	ug/L	2.0		86	70-130			06/20/14	
Hexachlorocyclopentadiene	2.0	1.0	ug/L	2.0		98	70-130			06/20/14	
Lindane	0.39	0.20	ug/L	0.40		98	70-130			06/20/14	
Methoxychlor	2.2	10	ug/L	2.0		110	70-130			06/20/14	
Trifluralin	1.8	1.0	ug/L	2.0		90	70-130			06/20/14	
Surrogate: 1-Br-2-Nitrobenzene	*0.46*			*0.46*		*100*	*70-130*			06/20/14	
Blank Spike Dup (A407594-BSD1)											
Aldrin	1.3	0.075	ug/L	1.5		85	70-130	1	20	06/21/14	
Chlorothalonil	1.8	5.0	ug/L	2.0		89	70-130	14	20	06/21/14	
Dieldrin	0.44	0.020	ug/L	0.40		111	70-130	10	20	06/21/14	
Endrin	0.22	0.10	ug/L	0.20		108	70-130	7	20	06/21/14	
Heptachlor	0.18	0.010	ug/L	0.20		91	70-130	3	20	06/21/14	
Heptachlor Epoxide	0.22	0.010	ug/L	0.20		108	70-130	8	20	06/21/14	
Hexachlorobenzene	1.7	0.50	ug/L	2.0		84	70-130	3	20	06/21/14	
Hexachlorocyclopentadiene	1.6	1.0	ug/L	2.0		82	70-130	18	20	06/21/14	
Lindane	0.40	0.20	ug/L	0.40		101	70-130	3	20	06/21/14	
Methoxychlor	2.4	10	ug/L	2.0		121	70-130	9	20	06/21/14	
Trifluralin	1.7	1.0	ug/L	2.0		87	70-130	3	20	06/21/14	
Surrogate: 1-Br-2-Nitrobenzene	*0.46*			*0.46*		*101*	*70-130*			06/21/14	
Matrix Spike (A407594-MS1), Source: A4F1372-01											
Aldrin	1.2	0.075	ug/L	1.5	ND	82	65-135			06/20/14	
Chlorothalonil	1.5	5.0	ug/L	2.1	ND	75	65-135			06/20/14	
Dieldrin	0.43	0.020	ug/L	0.41	ND	105	65-135			06/20/14	
Endrin	0.23	0.10	ug/L	0.21	ND	111	65-135			06/20/14	
Heptachlor	0.18	0.010	ug/L	0.21	ND	90	65-135			06/20/14	
Heptachlor Epoxide	0.21	0.010	ug/L	0.21	ND	101	65-135			06/20/14	
Hexachlorobenzene	1.8	0.50	ug/L	2.1	ND	85	65-135			06/20/14	
Hexachlorocyclopentadiene	1.9	1.0	ug/L	2.1	ND	91	65-135			06/20/14	
Lindane	0.40	0.20	ug/L	0.41	ND	97	65-135			06/20/14	
Methoxychlor	2.4	10	ug/L	2.1	ND	116	65-135			06/20/14	
Trifluralin	1.9	1.0	ug/L	2.1	ND	91	65-135			06/20/14	
Surrogate: 1-Br-2-Nitrobenzene	*0.47*			*0.47*		*101*	*70-130*			06/20/14	
Matrix Spike Dup (A407594-MSD1), Source: A4F1372-01											
Aldrin	1.2	0.075	ug/L	1.5	ND	79	65-135	4	20	06/20/14	
Chlorothalonil	1.6	5.0	ug/L	2.0	ND	79	65-135	5	20	06/20/14	
Dieldrin	0.43	0.020	ug/L	0.41	ND	105	65-135	1	20	06/20/14	
Endrin	0.22	0.10	ug/L	0.20	ND	107	65-135	4	20	06/20/14	
Heptachlor	0.18	0.010	ug/L	0.20	ND	89	65-135	1	20	06/20/14	
Heptachlor Epoxide	0.20	0.010	ug/L	0.20	ND	99	65-135	2	20	06/20/14	
Hexachlorobenzene	1.7	0.50	ug/L	2.0	ND	83	65-135	3	20	06/20/14	
Hexachlorocyclopentadiene	1.7	1.0	ug/L	2.0	ND	84	65-135	8	20	06/20/14	
Lindane	0.41	0.20	ug/L	0.41	ND	100	65-135	3	20	06/20/14	
Methoxychlor	2.4	10	ug/L	2.0	ND	117	65-135	1	20	06/20/14	
Trifluralin	1.7	1.0	ug/L	2.0	ND	83	65-135	9	20	06/20/14	
Surrogate: 1-Br-2-Nitrobenzene	*0.47*			*0.47*		*100*	*70-130*			06/20/14	

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual

EPA 515.3 - Quality Control

Batch: A407838

Prep Method: EPA 515.3

Prepared: 06/24/2014

Analyst: GAK

Blank (A407838-BLK1)										
2,4,5-T	ND	1.0	ug/L							06/25/14
2,4,5-TP (Silvex)	ND	1.0	ug/L							06/25/14
2,4-D	ND	10	ug/L							06/25/14
Bentazon	ND	2.0	ug/L							06/25/14
Dalapon	ND	10	ug/L							06/25/14
Dicamba	ND	1.5	ug/L							06/25/14
Dinoseb	ND	2.0	ug/L							06/25/14
Pentachlorophenol	ND	0.20	ug/L							06/25/14
Picloram	ND	1.0	ug/L							06/25/14
Surrogate: DCPAA	*54*			*58*		*94*	*70-130*			06/25/14
Blank Spike (A407838-BS1)										
2,4,5-T	4.2	1.0	ug/L	4.0		105	70-130			06/25/14
2,4,5-TP (Silvex)	0.82	1.0	ug/L	0.80		102	70-130			06/25/14
2,4-D	0.44	10	ug/L	0.40		111	70-130			06/25/14
Bentazon	9.0	2.0	ug/L	8.0		112	70-130			06/25/14
Dalapon	4.0	10	ug/L	4.0		101	70-130			06/25/14
Dicamba	6.4	1.5	ug/L	6.0		106	70-130			06/25/14
Dinoseb	0.85	2.0	ug/L	0.80		106	70-130			06/25/14
Pentachlorophenol	0.16	0.20	ug/L	0.16		100	70-130			06/25/14
Picloram	0.40	1.0	ug/L	0.40		99	70-130			06/25/14
Surrogate: DCPAA	*56*			*58*		*96*	*70-130*			06/25/14
Blank Spike Dup (A407838-BSD1)										
2,4,5-T	4.2	1.0	ug/L	4.0		105	70-130	0	20	06/26/14
2,4,5-TP (Silvex)	0.83	1.0	ug/L	0.80		104	70-130	1	20	06/26/14
2,4-D	0.42	10	ug/L	0.40		105	70-130	5	20	06/26/14
Bentazon	10	2.0	ug/L	8.0		130	70-130	15	20	06/26/14
Dalapon	4.0	10	ug/L	4.0		100	70-130	0	20	06/26/14
Dicamba	6.3	1.5	ug/L	6.0		106	70-130	1	20	06/26/14
Dinoseb	0.86	2.0	ug/L	0.80		107	70-130	1	20	06/26/14
Pentachlorophenol	0.16	0.20	ug/L	0.16		100	70-130	1	20	06/26/14
Picloram	0.40	1.0	ug/L	0.40		99	70-130	1	20	06/26/14
Surrogate: DCPAA	*55*			*58*		*95*	*70-130*			06/26/14
Matrix Spike (A407838-MS1), Source: A4F1603-01										
2,4,5-T	4.4	1.0	ug/L	4.0	ND	109	70-130			06/26/14
2,4,5-TP (Silvex)	0.96	1.0	ug/L	0.80	ND	110	70-130			06/26/14
2,4-D	0.40	10	ug/L	0.40	ND	99	70-130			06/26/14
Bentazon	8.0	2.0	ug/L	8.0	ND	100	70-130			06/26/14
Dalapon	4.9	10	ug/L	4.0	ND	106	70-130			06/26/14
Dicamba	6.5	1.5	ug/L	6.0	ND	109	70-130			06/26/14
Dinoseb	0.91	2.0	ug/L	0.80	ND	113	70-130			06/26/14
Pentachlorophenol	0.15	0.20	ug/L	0.16	ND	96	70-130			06/26/14
Picloram	0.37	1.0	ug/L	0.40	ND	93	70-130			06/26/14
Surrogate: DCPAA	*59*			*58*		*101*	*70-130*			06/26/14
Matrix Spike Dup (A407838-MSD1), Source: A4F1603-01										
2,4,5-T	4.3	1.0	ug/L	4.0	ND	106	70-130	3	20	06/26/14
2,4,5-TP (Silvex)	0.96	1.0	ug/L	0.80	ND	109	70-130	1	20	06/26/14
2,4-D	0.48	10	ug/L	0.40	ND	119	70-130	18	20	06/26/14
Bentazon	8.1	2.0	ug/L	8.0	ND	101	70-130	2	20	06/26/14
Dalapon	4.7	10	ug/L	4.0	ND	101	70-130	4	20	06/26/14
Dicamba	6.4	1.5	ug/L	6.0	ND	107	70-130	2	20	06/26/14

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual

EPA 515.3 - Quality Control

Batch: A407838
Prep Method: EPA 515.3

Prepared: 06/24/2014
Analyst: GAK

Matrix Spike Dup (A407838-MSD1), Source: A4F1603-01

Dinoseb	0.95	2.0	ug/L	0.80	ND	119	70-130	5	20	06/26/14
Pentachlorophenol	0.16	0.20	ug/L	0.16	ND	100	70-130	3	20	06/26/14
Picloram	0.42	1.0	ug/L	0.40	ND	106	70-130	12	20	06/26/14
Surrogate: DCPAA	*59*			*58*		*101*	*70-130*			06/26/14

EPA 524.2 - Quality Control

Batch: A407631
Prep Method: EPA 524.2

Prepared: 06/20/2014
Analyst: JGB

Blank (A407631-BLK1)

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	06/20/14
1,1,1-Trichloroethane	ND	0.50	ug/L	06/20/14
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/20/14
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	10	ug/L	06/20/14
1,1,2-Trichloroethane	ND	0.50	ug/L	06/20/14
1,1-Dichloroethane	ND	0.50	ug/L	06/20/14
1,1-Dichloroethene	ND	0.50	ug/L	06/20/14
1,1-Dichloropropene	ND	0.50	ug/L	06/20/14
1,2,3-Trichlorobenzene	ND	0.50	ug/L	06/20/14
1,2,4-Trichlorobenzene	ND	0.50	ug/L	06/20/14
1,2,4-Trimethylbenzene	ND	0.50	ug/L	06/20/14
1,2-Dichlorobenzene	ND	0.50	ug/L	06/20/14
1,2-Dichloroethane	ND	0.50	ug/L	06/20/14
1,2-Dichloropropane	ND	0.50	ug/L	06/20/14
1,3,5-Trimethylbenzene	ND	0.50	ug/L	06/20/14
1,3-Dichlorobenzene	ND	0.50	ug/L	06/20/14
1,3-Dichloropropane	ND	0.50	ug/L	06/20/14
1,4-Dichlorobenzene	ND	0.50	ug/L	06/20/14
2,2-Dichloropropane	ND	0.50	ug/L	06/20/14
2-Butanone	ND	5.0	ug/L	06/20/14
2-Chlorotoluene	ND	0.50	ug/L	06/20/14
2-Hexanone	ND	10	ug/L	06/20/14
4-Chlorotoluene	ND	0.50	ug/L	06/20/14
4-Methyl-2-pentanone	ND	5.0	ug/L	06/20/14
Acetone	ND	10	ug/L	06/20/14
Benzene	ND	0.50	ug/L	06/20/14
Bromobenzene	ND	0.50	ug/L	06/20/14
Bromochloromethane	ND	0.50	ug/L	06/20/14
Bromodichloromethane	ND	0.50	ug/L	06/20/14
Bromoform	ND	0.50	ug/L	06/20/14
Bromomethane	ND	0.50	ug/L	06/20/14
Carbon Tetrachloride	ND	0.50	ug/L	06/20/14
Chlorobenzene	ND	0.50	ug/L	06/20/14
Chloroethane	ND	0.50	ug/L	06/20/14
Chloroform	ND	0.50	ug/L	06/20/14
Chloromethane	ND	0.50	ug/L	06/20/14
cis-1,2-Dichloroethene	ND	0.50	ug/L	06/20/14
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/20/14
Dibromochloromethane	ND	0.50	ug/L	06/20/14
Dibromomethane	ND	0.50	ug/L	06/20/14
Dichlorodifluoromethane	ND	0.50	ug/L	06/20/14
Dichloromethane	ND	0.50	ug/L	06/20/14
Di-isopropyl ether (DIPE)	ND	3.0	ug/L	06/20/14
Ethyl tert-Butyl Ether (ETBE)	ND	0.50	ug/L	06/20/14

EPA 524.2 - Quality Control

Batch: A407631
Prep Method: EPA 524.2

Prepared: 06/20/2014
Analyst: JGB

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Blank (A407631-BLK1)											
Ethylbenzene	ND	0.50	ug/L							06/20/14	
Hexachlorobutadiene	ND	0.50	ug/L							06/20/14	
Isopropylbenzene	ND	0.50	ug/L							06/20/14	
m,p-Xylenes	ND	0.50	ug/L							06/20/14	
Methyl-t-butyl ether	ND	0.50	ug/L							06/20/14	
Naphthalene	ND	0.50	ug/L							06/20/14	
n-Butylbenzene	ND	0.50	ug/L							06/20/14	
n-Propylbenzene	ND	0.50	ug/L							06/20/14	
o-Xylene	ND	0.50	ug/L							06/20/14	
p-Isopropyltoluene	ND	0.50	ug/L							06/20/14	
sec-Butylbenzene	ND	0.50	ug/L							06/20/14	
Styrene	ND	0.50	ug/L							06/20/14	
tert-Amyl Methyl Ether (TAME)	ND	3.0	ug/L							06/20/14	
tert-Butyl alcohol (TBA)	ND	2.0	ug/L							06/20/14	
tert-Butylbenzene	ND	0.50	ug/L							06/20/14	
Tetrachloroethene (PCE)	ND	0.50	ug/L							06/20/14	
Toluene	ND	0.50	ug/L							06/20/14	
trans-1,2-Dichloroethene	ND	0.50	ug/L							06/20/14	
trans-1,3-Dichloropropene	ND	0.50	ug/L							06/20/14	
Trichloroethene (TCE)	ND	0.50	ug/L							06/20/14	
Trichlorofluoromethane	ND	5.0	ug/L							06/20/14	
Vinyl Chloride	ND	0.50	ug/L							06/20/14	
Surrogate: 1,2-Dichlorobenzene-d4	*5.2*			*5.0*		*105*	*70-130*			06/20/14	
Surrogate: Bromofluorobenzene	*56*			*50*		*112*	*70-130*			06/20/14	
Blank Spike (A407631-BS1)											
1,1,1,2-Tetrachloroethane	10	0.50	ug/L	10		101	70-130			06/20/14	
1,1,1-Trichloroethane	11	0.50	ug/L	10		110	70-130			06/20/14	
1,1,2,2-Tetrachloroethane	11	0.50	ug/L	10		114	70-130			06/20/14	
1,1,2-Trichloro-1,2,2-trifluoroethane	11	10	ug/L	10		114	70-130			06/20/14	
1,1,2-Trichloroethane	11	0.50	ug/L	10		105	70-130			06/20/14	
1,1-Dichloroethane	11	0.50	ug/L	10		111	70-130			06/20/14	
1,1-Dichloroethene	11	0.50	ug/L	10		111	70-130			06/20/14	
1,1-Dichloropropene	11	0.50	ug/L	10		106	70-130			06/20/14	
1,2,3-Trichlorobenzene	11	0.50	ug/L	10		109	70-130			06/20/14	
1,2,4-Trichlorobenzene	12	0.50	ug/L	10		116	70-130			06/20/14	
1,2,4-Trimethylbenzene	11	0.50	ug/L	10		111	70-130			06/20/14	
1,2-Dichlorobenzene	11	0.50	ug/L	10		111	70-130			06/20/14	
1,2-Dichloroethane	11	0.50	ug/L	10		109	70-130			06/20/14	
1,2-Dichloropropane	12	0.50	ug/L	10		117	70-130			06/20/14	
1,3,5-Trimethylbenzene	11	0.50	ug/L	10		112	70-130			06/20/14	
1,3-Dichlorobenzene	11	0.50	ug/L	10		110	70-130			06/20/14	
1,3-Dichloropropane	11	0.50	ug/L	10		107	70-130			06/20/14	
1,4-Dichlorobenzene	11	0.50	ug/L	10		111	70-130			06/20/14	
2,2-Dichloropropane	11	0.50	ug/L	10		111	70-130			06/20/14	
2-Butanone	12	5.0	ug/L	10		118	70-130			06/20/14	
2-Chlorotoluene	11	0.50	ug/L	10		115	70-130			06/20/14	
2-Hexanone	12	10	ug/L	10		121	70-130			06/20/14	
4-Chlorotoluene	11	0.50	ug/L	10		112	70-130			06/20/14	
4-Methyl-2-pentanone	11	5.0	ug/L	10		113	70-130			06/20/14	
Acetone	13	10	ug/L	10		129	70-130			06/20/14	
Benzene	10	0.50	ug/L	10		105	70-130			06/20/14	
Bromobenzene	11	0.50	ug/L	10		108	70-130			06/20/14	
Bromochloromethane	11	0.50	ug/L	10		114	70-130			06/20/14	

EPA 524.2 - Quality Control

Batch: A407631
Prep Method: EPA 524.2

Prepared: 06/20/2014
Analyst: JGB

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Blank Spike (A407631-BS1)											
Bromodichloromethane	11	0.50	ug/L	10		110	70-130			06/20/14	
Bromoform	11	0.50	ug/L	10		108	70-130			06/20/14	
Bromomethane	12	0.50	ug/L	10		121	70-130			06/20/14	
Carbon Tetrachloride	11	0.50	ug/L	10		110	70-130			06/20/14	
Chlorobenzene	11	0.50	ug/L	10		106	70-130			06/20/14	
Chloroethane	11	0.50	ug/L	10		107	70-130			06/20/14	
Chloroform	11	0.50	ug/L	10		115	70-130			06/20/14	
Chloromethane	11	0.50	ug/L	10		109	70-130			06/20/14	
cis-1,2-Dichloroethene	11	0.50	ug/L	10		113	70-130			06/20/14	
cis-1,3-Dichloropropene	11	0.50	ug/L	10		106	70-130			06/20/14	
Dibromochloromethane	10	0.50	ug/L	10		105	70-130			06/20/14	
Dibromomethane	12	0.50	ug/L	10		120	70-130			06/20/14	
Dichlorodifluoromethane	9.1	0.50	ug/L	10		91	70-130			06/20/14	
Dichloromethane	11	0.50	ug/L	10		110	70-130			06/20/14	
Di-isopropyl ether (DIPE)	10	3.0	ug/L	10		104	70-130			06/20/14	
Ethyl tert-Butyl Ether (ETBE)	11	0.50	ug/L	10		106	70-130			06/20/14	
Ethylbenzene	11	0.50	ug/L	10		112	70-130			06/20/14	
Hexachlorobutadiene	11	0.50	ug/L	10		114	70-130			06/20/14	
Isopropylbenzene	11	0.50	ug/L	10		112	70-130			06/20/14	
m,p-Xylenes	21	0.50	ug/L	20		107	70-130			06/20/14	
Methyl-t-butyl ether	22	0.50	ug/L	20		110	70-130			06/20/14	
Naphthalene	12	0.50	ug/L	10		120	70-130			06/20/14	
n-Butylbenzene	11	0.50	ug/L	10		113	70-130			06/20/14	
n-Propylbenzene	12	0.50	ug/L	10		116	70-130			06/20/14	
o-Xylene	12	0.50	ug/L	10		115	70-130			06/20/14	
p-Isopropyltoluene	12	0.50	ug/L	10		117	70-130			06/20/14	
sec-Butylbenzene	11	0.50	ug/L	10		111	70-130			06/20/14	
Styrene	13	0.50	ug/L	10		126	70-130			06/20/14	
tert-Amyl Methyl Ether (TAME)	10	3.0	ug/L	10		103	70-130			06/20/14	
tert-Butyl alcohol (TBA)	11	2.0	ug/L	10		109	70-130			06/20/14	
tert-Butylbenzene	12	0.50	ug/L	10		116	70-130			06/20/14	
Tetrachloroethene (PCE)	11	0.50	ug/L	10		107	70-130			06/20/14	
Toluene	10	0.50	ug/L	10		104	70-130			06/20/14	
trans-1,2-Dichloroethene	11	0.50	ug/L	10		111	70-130			06/20/14	
trans-1,3-Dichloropropene	11	0.50	ug/L	10		106	70-130			06/20/14	
Trichloroethene (TCE)	9.5	0.50	ug/L	10		95	70-130			06/20/14	
Trichlorofluoromethane	11	5.0	ug/L	10		112	70-130			06/20/14	
Vinyl Chloride	11	0.50	ug/L	10		106	70-130			06/20/14	
Surrogate: 1,2-Dichlorobenzene-d4	*5.3*			*5.0*		*106*	*70-130*			06/20/14	
Surrogate: Bromofluorobenzene	*51*			*50*		*101*	*70-130*			06/20/14	
Blank Spike Dup (A407631-BSD1)											
1,1,1,2-Tetrachloroethane	11	0.50	ug/L	10		106	70-130	5	30	06/20/14	
1,1,1-Trichloroethane	12	0.50	ug/L	10		117	70-130	7	30	06/20/14	
1,1,2,2-Tetrachloroethane	12	0.50	ug/L	10		117	70-130	2	30	06/20/14	
1,1,2-Trichloro-1,2,2-trifluoroethane	12	10	ug/L	10		120	70-130	6	30	06/20/14	
1,1,2-Trichloroethane	11	0.50	ug/L	10		114	70-130	8	30	06/20/14	
1,1-Dichloroethane	12	0.50	ug/L	10		119	70-130	7	30	06/20/14	
1,1-Dichloroethene	12	0.50	ug/L	10		118	70-130	8	30	06/20/14	
1,1-Dichloropropene	11	0.50	ug/L	10		113	70-130	6	30	06/20/14	
1,2,3-Trichlorobenzene	12	0.50	ug/L	10		118	70-130	7	30	06/20/14	
1,2,4-Trichlorobenzene	12	0.50	ug/L	10		124	70-130	8	30	06/20/14	
1,2,4-Trimethylbenzene	12	0.50	ug/L	10		122	70-130	9	30	06/20/14	
1,2-Dichlorobenzene	12	0.50	ug/L	10		125	70-130	11	30	06/20/14	

EPA 524.2 - Quality Control

Batch: A407631

Prep Method: EPA 524.2

Prepared: 06/20/2014

Analyst: JGB

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual	
Blank Spike Dup (A407631-BSD1)												
1,2-Dichloroethane	12	0.50	ug/L	10		116	70-130	8	30	06/20/14		
1,2-Dichloropropane	9.5	0.50	ug/L	10		95	70-130	20	30	06/20/14		
1,3,5-Trimethylbenzene	12	0.50	ug/L	10		121	70-130	7	30	06/20/14		
1,3-Dichlorobenzene	13	0.50	ug/L	10		127	70-130	14	30	06/20/14		
1,3-Dichloropropane	11	0.50	ug/L	10		115	70-130	7	30	06/20/14		
1,4-Dichlorobenzene	12	0.50	ug/L	10		122	70-130	10	30	06/20/14		
2,2-Dichloropropane	12	0.50	ug/L	10		121	70-130	8	30	06/20/14		
2-Butanone	13	5.0	ug/L	10		127	70-130	7	30	06/20/14		
2-Chlorotoluene	13	0.50	ug/L	10		126	70-130	9	30	06/20/14		
2-Hexanone	12	10	ug/L	10		124	70-130	3	30	06/20/14		
4-Chlorotoluene	12	0.50	ug/L	10		122	70-130	8	30	06/20/14		
4-Methyl-2-pentanone	11	5.0	ug/L	10		111	70-130	2	30	06/20/14		
Acetone	14	10	ug/L	10		143	70-130	10	30	06/20/14	BS	*High*
Benzene	11	0.50	ug/L	10		113	70-130	8	30	06/20/14		
Bromobenzene	11	0.50	ug/L	10		116	70-130	6	30	06/20/14		
Bromochloromethane	12	0.50	ug/L	10		124	70-130	9	30	06/20/14		
Bromodichloromethane	11	0.50	ug/L	10		114	70-130	3	30	06/20/14		
Bromoform	12	0.50	ug/L	10		117	70-130	8	30	06/20/14		
Bromomethane	14	0.50	ug/L	10		142	70-130	16	30	06/20/14	BS	*High*
Carbon Tetrachloride	12	0.50	ug/L	10		117	70-130	6	30	06/20/14		
Chlorobenzene	11	0.50	ug/L	10		111	70-130	5	30	06/20/14		
Chloroethane	11	0.50	ug/L	10		115	70-130	7	30	06/20/14		
Chloroform	12	0.50	ug/L	10		122	70-130	6	30	06/20/14		
Chloromethane	12	0.50	ug/L	10		123	70-130	12	30	06/20/14		
cis-1,2-Dichloroethene	12	0.50	ug/L	10		121	70-130	7	30	06/20/14		
cis-1,3-Dichloropropene	11	0.50	ug/L	10		113	70-130	7	30	06/20/14		
Dibromochloromethane	11	0.50	ug/L	10		114	70-130	9	30	06/20/14		
Dibromomethane	10	0.50	ug/L	10		102	70-130	17	30	06/20/14		
Dichlorodifluoromethane	10	0.50	ug/L	10		101	70-130	11	30	06/20/14		
Dichloromethane	12	0.50	ug/L	10		119	70-130	8	30	06/20/14		
Di-isopropyl ether (DIPE)	11	3.0	ug/L	10		111	70-130	7	30	06/20/14		
Ethyl tert-Butyl Ether (ETBE)	11	0.50	ug/L	10		114	70-130	8	30	06/20/14		
Ethylbenzene	12	0.50	ug/L	10		119	70-130	6	30	06/20/14		
Hexachlorobutadiene	12	0.50	ug/L	10		122	70-130	6	30	06/20/14		
Isopropylbenzene	12	0.50	ug/L	10		122	70-130	9	30	06/20/14		
m,p-Xylenes	23	0.50	ug/L	20		116	70-130	8	30	06/20/14		
Methyl-t-butyl ether	24	0.50	ug/L	20		118	70-130	7	30	06/20/14		
Naphthalene	13	0.50	ug/L	10		128	70-130	7	30	06/20/14		
n-Butylbenzene	12	0.50	ug/L	10		122	70-130	8	30	06/20/14		
n-Propylbenzene	13	0.50	ug/L	10		126	70-130	8	30	06/20/14		
o-Xylene	12	0.50	ug/L	10		124	70-130	7	30	06/20/14		
p-Isopropyltoluene	13	0.50	ug/L	10		127	70-130	8	30	06/20/14		
sec-Butylbenzene	12	0.50	ug/L	10		122	70-130	9	30	06/20/14		
Styrene	13	0.50	ug/L	10		132	70-130	5	30	06/20/14	BS	*High*
tert-Amyl Methyl Ether (TAME)	11	3.0	ug/L	10		113	70-130	9	30	06/20/14		
tert-Butyl alcohol (TBA)	13	2.0	ug/L	10		130	70-130	18	30	06/20/14		
tert-Butylbenzene	13	0.50	ug/L	10		126	70-130	8	30	06/20/14		
Tetrachloroethene (PCE)	11	0.50	ug/L	10		112	70-130	4	30	06/20/14		
Toluene	11	0.50	ug/L	10		110	70-130	6	30	06/20/14		
trans-1,2-Dichloroethene	12	0.50	ug/L	10		120	70-130	8	30	06/20/14		
trans-1,3-Dichloropropene	11	0.50	ug/L	10		113	70-130	7	30	06/20/14		
Trichloroethene (TCE)	10	0.50	ug/L	10		103	70-130	8	30	06/20/14		
Trichlorofluoromethane	12	5.0	ug/L	10		117	70-130	5	30	06/20/14		
Vinyl Chloride	12	0.50	ug/L	10		117	70-130	10	30	06/20/14		

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual

EPA 524.2 - Quality Control

Batch: A407631
Prep Method: EPA 524.2

Prepared: 06/20/2014
Analyst: JGB

Blank Spike Dup (A407631-BSD1)											
Surrogate: 1,2-Dichlorobenzene-d4	*5.4*			*5.0*		*107*	*70-130*			06/20/14	
Surrogate: Bromofluorobenzene	*51*			*50*		*102*	*70-130*			06/20/14	

EPA 525.2 - Quality Control

Batch: A407771
Prep Method: EPA 525.2

Prepared: 06/24/2014
Analyst: KHH

Blank (A407771-BLK1)											
Alachlor	ND	1.0	ug/L							06/25/14	
Atrazine	ND	0.50	ug/L							06/25/14	
Benzo(a)pyrene	ND	0.10	ug/L							06/25/14	
Bis(2-ethylhexyl) adipate	ND	3.0	ug/L							06/25/14	
Bis(2-ethylhexyl) phthalate	ND	3.0	ug/L							06/25/14	
Bromacil	ND	10	ug/L							06/25/14	
Butachlor	ND	0.38	ug/L							06/25/14	
Diazinon	ND	0.25	ug/L							06/25/14	
Dimethoate	ND	10	ug/L							06/25/14	
Metolachlor	ND	0.50	ug/L							06/25/14	
Metribuzin	ND	0.50	ug/L							06/25/14	
Molinate	ND	2.0	ug/L							06/25/14	
Propachlor	ND	0.50	ug/L							06/25/14	
Simazine	ND	1.0	ug/L							06/25/14	
Thiobencarb	ND	1.0	ug/L							06/25/14	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	*5.1*			*5.0*		*102*	*70-130*			06/25/14	
Blank Spike (A407771-BS1)											
Alachlor	0.50	1.0	ug/L	0.50		99	70-130			06/25/14	
Atrazine	0.52	0.50	ug/L	0.50		103	70-130			06/25/14	
Benzo(a)pyrene	0.12	0.10	ug/L	0.10		121	70-130			06/25/14	
Bis(2-ethylhexyl) adipate	3.5	3.0	ug/L	3.0		116	70-130			06/25/14	
Bis(2-ethylhexyl) phthalate	3.5	3.0	ug/L	3.0		118	70-130			06/25/14	
Bromacil	2.4	10	ug/L	2.0		118	70-130			06/25/14	
Butachlor	1.3	0.38	ug/L	1.2		100	70-130			06/25/14	
Diazinon	0.046	0.25	ug/L	0.050		92	70-130			06/25/14	
Dimethoate	0.53	10	ug/L	0.50		106	70-130			06/25/14	
Metolachlor	2.6	0.50	ug/L	2.5		106	70-130			06/25/14	
Metribuzin	2.7	0.50	ug/L	2.5		109	70-130			06/25/14	
Molinate	2.6	2.0	ug/L	2.5		102	70-130			06/25/14	
Propachlor	2.8	0.50	ug/L	2.5		111	70-130			06/25/14	
Simazine	0.39	1.0	ug/L	0.35		111	70-130			06/25/14	
Thiobencarb	0.59	1.0	ug/L	0.50		119	70-130			06/25/14	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	*5.2*			*5.0*		*105*	*70-130*			06/25/14	
Blank Spike Dup (A407771-BSD1)											
Alachlor	0.49	1.0	ug/L	0.50		98	70-130	1	30	06/25/14	
Atrazine	0.51	0.50	ug/L	0.50		102	70-130	1	30	06/25/14	
Benzo(a)pyrene	0.11	0.10	ug/L	0.10		106	70-130	13	30	06/25/14	
Bis(2-ethylhexyl) adipate	3.5	3.0	ug/L	3.0		117	70-130	1	30	06/25/14	
Bis(2-ethylhexyl) phthalate	3.6	3.0	ug/L	3.0		120	70-130	1	30	06/25/14	
Bromacil	2.3	10	ug/L	2.0		116	70-130	2	30	06/25/14	
Butachlor	1.3	0.38	ug/L	1.2		101	70-130	0	30	06/25/14	
Diazinon	0.046	0.25	ug/L	0.050		92	70-130	0	30	06/25/14	
Dimethoate	0.50	10	ug/L	0.50		100	70-130	6	30	06/25/14	
Metolachlor	2.7	0.50	ug/L	2.5		108	70-130	2	30	06/25/14	

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual

EPA 525.2 - Quality Control

Batch: A407771
Prep Method: EPA 525.2

Prepared: 06/24/2014
Analyst: KHH

Blank Spike Dup (A407771-BSD1)										
Metribuzin	2.7	0.50	ug/L	2.5	109	70-130	0	30	06/25/14	
Molinate	2.5	2.0	ug/L	2.5	101	70-130	1	30	06/25/14	
Propachlor	2.8	0.50	ug/L	2.5	113	70-130	2	30	06/25/14	
Simazine	0.38	1.0	ug/L	0.35	109	70-130	2	30	06/25/14	
Thiobencarb	0.54	1.0	ug/L	0.50	109	70-130	9	30	06/25/14	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	*5.2*			*5.0*	*104*	*70-130*			06/25/14	

EPA 525.2 - Quality Control

Batch: A407943
Prep Method: EPA 525.2

Prepared: 06/26/2014
Analyst: KHH

Blank (A407943-BLK1)										
Alachlor	ND	1.0	ug/L						06/27/14	
Atrazine	ND	0.50	ug/L						06/27/14	
Benzo(a)pyrene	ND	0.10	ug/L						06/27/14	
Bis(2-ethylhexyl) adipate	ND	3.0	ug/L						06/27/14	
Bis(2-ethylhexyl) phthalate	ND	3.0	ug/L						06/27/14	
Bromacil	ND	10	ug/L						06/27/14	
Butachlor	ND	0.38	ug/L						06/27/14	
Diazinon	ND	0.25	ug/L						06/27/14	
Dimethoate	ND	10	ug/L						06/27/14	
Metolachlor	ND	0.50	ug/L						06/27/14	
Metribuzin	ND	0.50	ug/L						06/27/14	
Molinate	ND	2.0	ug/L						06/27/14	
Propachlor	ND	0.50	ug/L						06/27/14	
Simazine	ND	1.0	ug/L						06/27/14	
Thiobencarb	ND	1.0	ug/L						06/27/14	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	*5.7*			*5.0*	*114*	*70-130*			06/27/14	
Blank Spike (A407943-BS1)										
Alachlor	0.56	1.0	ug/L	0.50	111	70-130			06/27/14	
Atrazine	0.53	0.50	ug/L	0.50	106	70-130			06/27/14	
Benzo(a)pyrene	0.076	0.10	ug/L	0.10	78	70-130			06/27/14	
Bis(2-ethylhexyl) adipate	3.5	3.0	ug/L	3.0	117	70-130			06/27/14	
Bis(2-ethylhexyl) phthalate	3.7	3.0	ug/L	3.0	122	70-130			06/27/14	
Bromacil	2.5	10	ug/L	2.0	127	70-130			06/27/14	
Butachlor	1.4	0.38	ug/L	1.2	115	70-130			06/27/14	
Diazinon	0.055	0.25	ug/L	0.050	110	70-130			06/27/14	
Dimethoate	0.51	10	ug/L	0.50	101	70-130			06/27/14	
Metolachlor	2.9	0.50	ug/L	2.5	116	70-130			06/27/14	
Metribuzin	3.0	0.50	ug/L	2.5	120	70-130			06/27/14	
Molinate	2.8	2.0	ug/L	2.5	113	70-130			06/27/14	
Propachlor	3.1	0.50	ug/L	2.5	126	70-130			06/27/14	
Simazine	0.39	1.0	ug/L	0.35	112	70-130			06/27/14	
Thiobencarb	0.59	1.0	ug/L	0.50	117	70-130			06/27/14	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	*6.2*			*5.0*	*124*	*70-130*			06/27/14	
Blank Spike Dup (A407943-BSD1)										
Alachlor	0.55	1.0	ug/L	0.50	109	70-130	2	30	06/27/14	
Atrazine	0.54	0.50	ug/L	0.50	108	70-130	2	30	06/27/14	
Benzo(a)pyrene	0.096	0.10	ug/L	0.10	96	70-130	23	30	06/27/14	
Bis(2-ethylhexyl) adipate	3.5	3.0	ug/L	3.0	116	70-130	2	30	06/27/14	
Bis(2-ethylhexyl) phthalate	3.7	3.0	ug/L	3.0	124	70-130	2	30	06/27/14	
Bromacil	2.7	10	ug/L	2.0	136	70-130	7	30	06/27/14	BS *High*

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual

EPA 525.2 - Quality Control

Batch: A407943
Prep Method: EPA 525.2

Prepared: 06/26/2014
Analyst: KHH

Blank Spike Dup (A407943-BSD1)											
Butachlor	1.3	0.38	ug/L	1.2		107	70-130	7	30	06/27/14	
Diazinon	0.046	0.25	ug/L	0.060		92	70-130	18	30	06/27/14	
Dimethoate	0.52	10	ug/L	0.50		105	70-130	3	30	06/27/14	
Metolachlor	2.9	0.50	ug/L	2.5		117	70-130	1	30	06/27/14	
Metribuzin	3.0	0.50	ug/L	2.5		122	70-130	1	30	06/27/14	
Molinate	2.9	2.0	ug/L	2.5		115	70-130	2	30	06/27/14	
Propachlor	3.0	0.50	ug/L	2.5		119	70-130	5	30	06/27/14	
Simazine	0.44	1.0	ug/L	0.35		125	70-130	10	30	06/27/14	
Thiobencarb	0.61	1.0	ug/L	0.50		122	70-130	4	30	06/27/14	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	*5.9*			*5.0*		*118*	*70-130*			06/27/14	
Matrix Spike (A407943-MS1), Source: A4F2092-01											
Alachlor	ND	1.0	ug/L	0.60	ND	0	70-130			06/28/14	MS1.0 *Low*
Atrazine	0.82	0.50	ug/L	0.60	ND	136	70-130			06/28/14	MS1.0 *High*
Benzo(a)pyrene	0.20	0.10	ug/L	0.12	ND	163	70-130			06/28/14	MS1.0 *High*
Bis(2-ethylhexyl) adipate	ND	3.0	ug/L	3.6	ND	0	70-130			06/28/14	MS1.0 *Low*
Bis(2-ethylhexyl) phthalate	12	3.0	ug/L	3.6	ND	293	70-130			06/28/14	MS1.0 *High*
Bromacil	4.4	10	ug/L	2.4	ND	182	70-130			06/28/14	MS1.0 *High*
Butachlor	1.9	0.38	ug/L	1.5	ND	123	70-130			06/28/14	
Diazinon	ND	0.25	ug/L	0.060	ND	0	70-130			06/28/14	MS1.0 *Low*
Dimethoate	1.1	10	ug/L	0.60	ND	163	70-130			06/28/14	MS1.0 *High*
Metolachlor	3.7	0.60	ug/L	3.0	ND	123	70-130			06/28/14	
Metribuzin	5.0	0.60	ug/L	3.0	ND	165	70-130			06/28/14	MS1.0 *High*
Molinate	4.3	2.0	ug/L	3.0	ND	143	70-130			06/28/14	MS1.0 *High*
Propachlor	3.7	0.60	ug/L	3.0	ND	124	70-130			06/28/14	
Simazine	0.53	1.0	ug/L	0.42	ND	125	70-130			06/28/14	
Thiobencarb	0.98	1.0	ug/L	0.60	ND	162	70-130			06/28/14	MS1.0 *High*
Surrogate: 1,3-Dimethyl-2-nitrobenzene	*7.2*			*6.0*		*118*	*70-130*			06/28/14	

EPA 531.1 - Quality Control

Batch: A407686
Prep Method: EPA 531.1

Prepared: 06/21/2014
Analyst: ZZZ

Blank (A407686-BLK1)											
3-Hydroxycarbofuran	ND	3.0	ug/L							06/21/14	
Aldicarb	ND	3.0	ug/L							06/21/14	
Aldicarb Sulfone	ND	2.0	ug/L							06/21/14	
Aldicarb Sulfoxide	ND	3.0	ug/L							06/21/14	
Carbaryl	ND	5.0	ug/L							06/21/14	
Carbofuran	ND	5.0	ug/L							06/21/14	
Methomyl	ND	2.0	ug/L							06/21/14	
Oxamyl	ND	20	ug/L							06/21/14	
Blank Spike (A407686-BS1)											
3-Hydroxycarbofuran	3.8	3.0	ug/L	4.0		94	80-120			06/21/14	
Aldicarb	3.7	3.0	ug/L	4.0		94	80-120			06/21/14	
Aldicarb Sulfone	3.7	2.0	ug/L	4.0		93	80-120			06/21/14	
Aldicarb Sulfoxide	3.7	3.0	ug/L	4.0		92	80-120			06/21/14	
Carbaryl	4.0	5.0	ug/L	4.0		100	80-120			06/21/14	
Carbofuran	4.2	5.0	ug/L	4.0		105	80-120			06/21/14	
Methomyl	3.9	2.0	ug/L	4.0		98	80-120			06/21/14	
Oxamyl	3.8	20	ug/L	4.0		94	80-120			06/21/14	

Blank Spike Dup (A407686-BSD1)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual

EPA 531.1 - Quality Control

Batch: A407686
Prep Method: EPA 531.1

Prepared: 06/21/2014
Analyst: ZZZ

Blank Spike Dup (A407686-BSD1)											
3-Hydroxycarbofuran	3.7	3.0	ug/L	4.0		93	80-120	1	20	06/21/14	
Aldicarb	3.6	3.0	ug/L	4.0		91	80-120	3	20	06/21/14	
Aldicarb Sulfone	3.6	2.0	ug/L	4.0		89	80-120	4	20	06/21/14	
Aldicarb Sulfoxide	3.5	3.0	ug/L	4.0		88	80-120	4	20	06/21/14	
Carbaryl	3.7	5.0	ug/L	4.0		93	80-120	7	20	06/21/14	
Carbofuran	3.9	5.0	ug/L	4.0		99	80-120	6	20	06/21/14	
Methomyl	3.8	2.0	ug/L	4.0		94	80-120	4	20	06/21/14	
Oxamyl	3.6	20	ug/L	4.0		90	80-120	4	20	06/21/14	
Matrix Spike (A407686-MS1), Source: A4F1660-01											
3-Hydroxycarbofuran	4.2	3.0	ug/L	4.0	ND	105	65-135			06/21/14	
Aldicarb	4.0	3.0	ug/L	4.0	ND	95	65-135			06/21/14	
Aldicarb Sulfone	3.9	2.0	ug/L	4.0	ND	98	65-135			06/21/14	
Aldicarb Sulfoxide	4.0	3.0	ug/L	4.0	ND	100	65-135			06/21/14	
Carbaryl	4.1	5.0	ug/L	4.0	ND	103	65-135			06/21/14	
Carbofuran	4.2	5.0	ug/L	4.0	ND	105	65-135			06/21/14	
Methomyl	4.1	2.0	ug/L	4.0	ND	103	65-135			06/21/14	
Oxamyl	4.0	20	ug/L	4.0	ND	101	65-135			06/21/14	

EPA 547 - Quality Control

Batch: A407534
Prep Method: EPA 547

Prepared: 06/18/2014
Analyst: RJB

Blank (A407534-BLK1)											
Glyphosate	ND	25	ug/L							06/20/14	
Surrogate: AMPA	*120*			*100*		*122*	*70-130*			06/20/14	
Blank Spike (A407534-BS1)											
Glyphosate	92	25	ug/L	100		92	70-130			06/20/14	
Surrogate: AMPA	*120*			*100*		*119*	*70-130*			06/20/14	
Blank Spike Dup (A407534-BSD1)											
Glyphosate	94	25	ug/L	100		94	70-130	2	30	06/20/14	
Surrogate: AMPA	*140*			*100*		*142*	*70-130*			06/20/14	*SR3.0*
Matrix Spike (A407534-MS1), Source: A4F0756-01											
Glyphosate	95	25	ug/L	100	ND	93	70-130			06/20/14	
Surrogate: AMPA	*150*			*100*		*151*	*70-130*			06/20/14	*SR3.0*
Matrix Spike Dup (A407534-MSD1), Source: A4F0756-01											
Glyphosate	79	25	ug/L	100	ND	78	70-130	18	30	06/20/14	
Surrogate: AMPA	*120*			*100*		*121*	*70-130*			06/20/14	

EPA 548.1 - Quality Control

Batch: A407684
Prep Method: EPA 548.1

Prepared: 06/20/2014
Analyst: KHH

Blank (A407684-BLK1)											
Endothall	ND	45	ug/L							06/23/14	
Blank Spike (A407684-BS1)											
Endothall	17	45	ug/L	20		83	60-111			06/23/14	
Blank Spike Dup (A407684-BSD1)											

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 548.1 - Quality Control											
Batch: A407684										Prepared: 06/20/2014	
Prep Method: EPA 548.1										Analyst: KHH	
Blank Spike Dup (A407684-BSD1)											
Endothall	20	45	ug/L	20		98	60-111	16	46	06/23/14	
Matrix Spike (A407684-MS1), Source: A4F1527-01											
Endothall	17	45	ug/L	20	ND	86	10-122			06/23/14	
EPA 549.2 - Quality Control											
Batch: A407677										Prepared: 06/20/2014	
Prep Method: EPA 549.2										Analyst: PYA	
Blank (A407677-BLK1)											
Diquat	ND	4.0	ug/L							06/23/14	
Blank Spike (A407677-BS1)											
Diquat	3.2	4.0	ug/L	4.0		81	70-130			06/23/14	
Blank Spike Dup (A407677-BSD1)											
Diquat	3.2	4.0	ug/L	4.0		79	70-130	2	30	06/23/14	
Matrix Spike (A407677-MS1), Source: A4F1527-01											
Diquat	2.7	4.0	ug/L	4.0	ND	69	70-130			06/23/14	MS1.0 **Low**
EPA 549.2 - Quality Control											
Batch: A407761										Prepared: 06/23/2014	
Prep Method: EPA 549.2										Analyst: PYA	
Blank (A407761-BLK1)											
Diquat	ND	4.0	ug/L							06/27/14	
Blank Spike (A407761-BS1)											
Diquat	3.8	4.0	ug/L	4.0		95	70-130			06/27/14	
Blank Spike Dup (A407761-BSD1)											
Diquat	4.0	4.0	ug/L	4.0		100	70-130	5	30	06/27/14	
Matrix Spike (A407761-MS1), Source: A4F1642-05											
Diquat	3.6	4.0	ug/L	4.0	ND	90	70-130			06/27/14	

Certificate of Analysis

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of according to BSK's sample retention policy unless other arrangements are made in advance.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) - Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.
- Due to the subjective nature of the Threshold Odor Method, all characterizations of the detected odor are the opinion of the panel of analysts. The characterizations can be found in Standard Methods 2170B Figure 2170:1.

Definitions

mg/L:	Milligrams/Liter (ppm)	MDL:	Method Detection Limit	MDA95:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit: DL x Dilution	MPN:	Most Probable Number
µg/L:	Micrograms/Liter (ppb)	ND:	None Detected at RL	CFU:	Colony Forming Unit
µg/Kg:	Micrograms/Kilogram (ppb)	pCi/L:	Picocuries per Liter	Absent:	Less than 1 CFU/100mLs
%:	Percent Recovered (surrogates)	RL Mult:	RL Multiplier	Present:	1 or more CFU/100mLs
NR:	Non-Reportable				

BSK is not accredited under the NELAC program for the following parameters: **NA**

Certifications: Please refer to our website for a copy of our Accredited Fields of Testing under each certification.

Fresno

State of California - ELAP	1180	State of Hawaii	4021
State of Nevada	CA000792014-1	State of Oregon - ORELAP	4021
EPA - UCMR3	CA00079	State of Washington	C997-14

Sacramento

State of California - ELAP	2435

Vancouver

State of Oregon - ORELAP	WA100008	State of Washington	C824-13

A4F1660

Sierra Environmental Monitoring

Sierr2400

06182014

Turnaround: Standard
Due Date: 7/2/2014

BSK Associates SR-FL-0002-09

A4F1660
Sierr2400
06/18/2014
10

Sample Integrity

BSK Bottles: Yes No Page 1 of 1

COC Info

Was temperature within range? Chemistry ≤ 6°C Micro < 10°C	Yes No NA	Were correct containers and preservatives received for the tests requested?	Yes No NA
If samples were taken today, is there evidence that chilling has begun?	Yes No NA	Were there bubbles in the VOA vials? (Volatiles Only)	Yes No NA
Did all bottles arrive unbroken and intact?	Yes No	Was a sufficient amount of sample received?	Yes No
Did all bottle labels agree with COC?	Yes No	Do samples have a hold time <72 hours?	Yes No
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes No NA	Was PM notified of discrepancies? PM: By/Time:	Yes No NA

Bottles Received

"__" means preservation/chlorine checks are either N/A or are performed in the lab

250ml(A) 500ml(B) 1Liter(C) 40ml VOA(V)	Checks	Passed?	1	2	3			
Bactri $Na_2S_2O_3$	—	—						
None (P) White Cap	—	—						
Cr6 Buffer (P) Blue Cap	pH 9-9.5	Y N						
HNO_3 (P) Red Cap	—	—						
H_2SO_4 (P) Yellow Cap	pH < 2	Y N						
NaOH (P) Green Cap	Cl, pH ≥12	Y N						
NaOH + ZnAc (P)	pH > 9	Y N						
Dissolved Oxygen 300ml (g)	—	—						
None (AG) 608/808/8082/625, 632/632.1, 8151/8270	—	—						
H_2SO_4 (AG) Yellow Label O&G, Diesel	—	—						
$Na_2S_2O_3$ 1 Liter (Brown) Pb 549	—	—	1C	1C				
$Na_2S_2O_3$ (AG) Blue Label 547, 515, 525, 548	—	—	1C, 2a	2C, 2a				
$Na_2S_2O_3$ (AG) Blue Label THM, 524.2 or 524.3	—	—						
$Na_2S_2O_3$ (CG) Blue Label 504, 505	—	—	7V	7V				
$Na_2S_2O_3$ + MCAA (CG) Orange Label 401	pH = 3	Y N	1V	1V				
NH_4Cl (AG) Purple Label 552	—	—						
EDA (AG) Brown Label DBPs	—	—						
Ascorbic + Maleic (AG) Lt Green Label 524.3	—	—						
HCL (CG) 524.2 BTEX Gas, MTBE, 8260/624	—	—	3V	3V				
Buffer pH 4 (CG)	—	—						
None (CG)	—	—						
H_3PO_4 (CG) Salmon Label	—	—						
Other:								
Asbestos 1 Liter Plastic w/ Foil	—	—						
Low Level Hg / Metals Double Baggie	—	—						
Bottled Water	—	—						
Clear Glass Jar: 250 / 500 / 1 Liter	—	—						
Soil Tube Brass / Steel / Plastic	—	—						
Tedlar Bag / Plastic Bag	—	—						

Split

	Container	Preservative	Date/Time/Initials		Container	Preservative	Date/Time/Initials
S P				S P			
S P				S P			

Comments

S201406-0757 - 1LAG w/ THIO see Broken

Labeled by: NR @ 1653 Labels checked by: JHD @ 1658 RUSH Paged by: _____ @ _____

SIERRA ENVIRONMENTAL MONITORING, INC.

1135 FINANCIAL BOULEVARD - RENO - NEVADA - 89502

PHONE: (775) 857 - 2400 FAX: (775) 857 - 2404 E-Mail sem@sem-analytical.com

CHAIN OF CUSTODY RECORD

NEW ADDRESS ?
Results To: ☐
Invoice To: ☐

P.O. or Project #

135447

Results To:

Client Name: Lukins Bros Water Co
E-mail: jennifer@lukinswater.com
Mailing Address: 2031 West Way
Phone # / Fax #: 530-541-2604
City: SJ State: Ca Zip: 96150
Report Attention: Jennifer

Invoice To:

Client Name
E-mail
Mailing Address
Phone # / Fax #
City State Zip
Invoice Attention:

Sampled by: Danny Lukins
Signature: Danny L Lukins

I attest to the validity and authenticity of the sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time is considered fraud and may be grounds for legal action.

Analyses Requested

Turnaround Time/Results/Invoice

Standard: ☒
Rush: (Surcharge will Apply)
Same Day: ☐ 72 Hr: ☐
24 Hr: ☐ 4 Day: ☐
48 Hr: ☐ 5 Day: ☐
Other (specify): ☐

Date Sent: _____

Send Results Via:
Mail: ☐ Email: ☒ Fax: ☐ Phone: ☐

Send Invoice Via:
Mail: ☒ Email: ☐ Fax: ☐

Compliance Monitoring

Yes: ☒
No: ☐

Lab Use Only

Sub-Sample pH

Date Sampled	Time Sampled	Sample Type*	Sample Identification	Preservative* See Key Below	Number of Containers	nitrate	nitrite	VOC	SOC					Remarks	<2	>12
6/16	10:50	1	Well #1		19	✓	✓	✓	✓							
	11:30	1	Well #2		19	✓	✓	✓	✓							
	11:55	1	Well #5		19	✓	✓	✓	✓							

	Signature	Print Name	Company	Date	Time
Relinquished By:	Danny L Lukins	Danny G Lukins	LBWC	6/16/14	15:04
Received By:					
Relinquished By:					
Received By:					
Relinquished By:					
Received By Laboratory:		D Rose	SEM	6/16/14	1504

Custody Seal Intact
Yes: ☐ No: ☐ None: ☒

Sample Temperature
Degrees C 13°

Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples returned to client or disposed of at client expense. The analytical results associated with this COC apply only to thesamples as they are received by the laboratory. The liability of the laboratory is limited to the amount paid for the report.

Terms: Net thirty (30) days on approved credit.

* KEY: Sample Type: 1=Drinking Water, 2=Surface Water, 3=Ground Water, 4=Waste Water, 5=Soil, 6=RCRA, 7=Other
Preservative: 1=NaOH, 2=NaOH + ZnOAC, 3=HNO3, 4=H2SO4, 5=Na2S2O3, 6=None, 7=Other

SEM COC Form Revised 02/11

PG 1 of 2

Sierra Environmental Monitoring, Inc.
1135 Financial Blvd. - Reno - Nevada - 89502
Phone: (775) 857-2400 Fax: (775) 857-2404 Email: sem@sem-analytical.com

BSK Laboratory Sub-Contract Chain of Custody Report

PO #135447

Sampled By: D. Lukins

Compliance:

Date Sampled	Time Sampled	Sample Type	Sample Identification	Analyses Requested	Remarks	Turn Around Time
6/16/2014	10:50:00 AM	Drinking Water	S201406-0757 - Well #1	Carbamates (ML531) (EPA 531.1)		Normal
6/16/2014	10:50:00 AM	Drinking Water	S201406-0757 - Well #1	Diquat (EPA 549.2)		Normal
6/16/2014	10:50:00 AM	Drinking Water	S201406-0757 - Well #1	EDB-DBC (EPA 504.1)		Normal
6/16/2014	10:50:00 AM	Drinking Water	S201406-0757 - Well #1	Endothall (EPA 548.1)		Normal
6/16/2014	10:50:00 AM	Drinking Water	S201406-0757 - Well #1	Glyphosate (EPA 547)		Normal
6/16/2014	10:50:00 AM	Drinking Water	S201406-0757 - Well #1	Herbicides (NPS3) (EPA 515.1)		Normal
6/16/2014	10:50:00 AM	Drinking Water	S201406-0757 - Well #1	Pesticides and PCBs (PESTSDW) (EPA 508)		Normal
6/16/2014	10:50:00 AM	Drinking Water	S201406-0757 - Well #1	SVOCs (ML525) (EPA 525)		Normal
6/16/2014	10:50:00 AM	Drinking Water	S201406-0757 - Well #1	VOCs (VOASDWA) (EPA 524.2)		Normal
6/16/2014	11:30:00 AM	Drinking Water	S201406-0758 - Well #2	Carbamates (ML531) (EPA 531.1)		Normal
6/16/2014	11:30:00 AM	Drinking Water	S201406-0758 - Well #2	Diquat (EPA 549.2)		Normal
6/16/2014	11:30:00 AM	Drinking Water	S201406-0758 - Well #2	EDB-DBC (EPA 504.1)		Normal
6/16/2014	11:30:00 AM	Drinking Water	S201406-0758 - Well #2	Endothall (EPA 548.1)		Normal
6/16/2014	11:30:00 AM	Drinking Water	S201406-0758 - Well #2	Glyphosate (EPA 547)		Normal
6/16/2014	11:30:00 AM	Drinking Water	S201406-0758 - Well #2	Herbicides (NPS3) (EPA 515.1)		Normal
6/16/2014	11:30:00 AM	Drinking Water	S201406-0758 - Well #2	Pesticides and PCBs (PESTSDW) (EPA 508)		Normal

	Signature	Print Name	Company	Date	Time
Relinquished By:	[signature]	Proctor	SEM	6-17-14	1530
Received By:					
Relinquished By:					
Received By:					

CA Sample

P9 2 of 2

Sierra Environmental Monitoring, Inc.
1135 Financial Blvd. - Reno - Nevada - 89502
Phone: (775) 857-2400 Fax: (775) 857-2404 Email: scm@scm-analytical.com

BSK Laboratory Sub-Contract Chain of Custody Report

PO #135447

Sampled By: D. Lukins

Compliance:

Date Sampled	Time Sampled	Sample Type	Sample Identification	Analyses Requested	Remarks	Turn Around Time
6/16/2014	11:30:00 AM	Drinking Water	S201406-0758 - Well #2	SVOCs (ML525) (EPA 525)		Normal
6/16/2014	11:30:00 AM	Drinking Water	S201406-0758 - Well #2	VOCs (VOASDWA) (EPA 524.2)		Normal
6/16/2014	11:35:00 AM	Drinking Water	S201406-0759 - Well #5	Carbamates (ML531) (EPA 531.1)		Normal
6/16/2014	11:35:00 AM	Drinking Water	S201406-0759 - Well #5	Diquat (EPA 549.2)		Normal
6/16/2014	11:35:00 AM	Drinking Water	S201406-0759 - Well #5	EDB-DBC (EPA 504.1)		Normal
6/16/2014	11:35:00 AM	Drinking Water	S201406-0759 - Well #5	Endothall (EPA 548.1)		Normal
6/16/2014	11:35:00 AM	Drinking Water	S201406-0759 - Well #5	Glyphosate (EPA 547)		Normal
6/16/2014	11:35:00 AM	Drinking Water	S201406-0759 - Well #5	Herbicides (NPS3) (EPA 515.1)		Normal
6/16/2014	11:35:00 AM	Drinking Water	S201406-0759 - Well #5	Pesticides and PCBs (PESTSDW) (EPA 508)		Normal
6/16/2014	11:35:00 AM	Drinking Water	S201406-0759 - Well #5	SVOCs (ML525) (EPA 525)		Normal
6/16/2014	11:35:00 AM	Drinking Water	S201406-0759 - Well #5	VOCs (VOASDWA) (EPA 524.2)		Normal

CA Sample

	Signature	Print Name	Company	Date	Time
Relinquished By:	[illegible]	Proctor	SEM	6-17-14	1530
Received By:					
Relinquished By:					
Received By:					

Attachment 3:

Lab Reports for samples collected on July 7, 2014 (7/11/2014)

Turrubiartes, Salvador@Waterboards

From: Jennifer Lukins <Jennifer@lukinswater.com>
Sent: Friday, July 11, 2014 3:30 PM
To: Turrubiartes, Salvador@Waterboards; Rezvani, Ali@Waterboards
Subject: FW: *RUSH* Emailing: 135856-Lukins Brothers -071114, 135856-Lukins Brothers-071114, 135857-Lukins Brothers -071114, 135857-Lukins Brothers-071114
Attachments: 135856-Lukins Brothers -071114.XLS; 135856-Lukins Brothers-071114.pdf; 135857-Lukins Brothers -071114.XLS; 135857-Lukins Brothers-071114.pdf

Importance: High

Jenn Lukins
(530)541-2606

-----Original Message-----
From: Debbie [mailto:drose@sem-analytical.com]
Sent: Friday, July 11, 2014 2:40 PM
To: Jennifer Lukins
Subject: *RUSH* Emailing: 135856-Lukins Brothers -071114, 135856-Lukins Brothers-071114, 135857-Lukins Brothers -071114, 135857-Lukins
Brothers-071114
Importance: High

Your message is ready to be sent with the following file or link
attachments:
135856-Lukins Brothers -071114
135856-Lukins Brothers-071114
135857-Lukins Brothers -071114
135857-Lukins Brothers-071114

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

--
Hello,

Please find the attached PDF & EDT report's.

Thank you for your business!

Debbie Rose

Sierra Environmental Monitoring
1135 Financial Blvd
Reno, NV 89502
775-857-2400

ElectronicTransferData

CustomerN	OrderID	CustomerS	Collector	CollectDate	SampleNu	Matrix	TestGroup	Param	Method	RDL	Reported F	Units
Lukins Bro	135856	Well #2	D. Lukins	7/7/2014	S201407-0	Drinking Water		Organic Ar	Subcontract		See Report	
Lukins Bro	135856	Well #5	D. Lukins	7/7/2014	S201407-0	Drinking Water		Organic Ar	Subcontract		See Report	

Laboratory Report
Report ID: 135856

Sierra Environmental Monitoring, Inc.

Lukins Brothers Water Company		**Date:**	7/11/2014
Attn: Jennifer Lukins		**Client:**	LUK-734
2031 West Way		**Taken by:**	D. Lukins
South Lake Tahoe, CA 96150		**PO #:**	

Dear Jennifer Lukins,

It is the policy of Sierra Environmental Monitoring, Inc to strictly adhere to a comprehensive Quality Assurance Plan that insures the data presented in this report are both accurate and precise. Sierra Environmental Monitoring, Inc. maintains accreditation in the State of Nevada (NV-15 and NV-921) and the State of California (ELAP 2526).

The data presented in this report were obtained from the analysis of samples received under a chain of custody. Unless otherwise noted below, samples were received in good condition, properly preserved and within the hold time for the requested analyses. Any anomalies associated with the analysis of the samples have been flagged with appropriate explanation in the Analysis Report section of this Laboratory Report.

General Comments:

- There are no general comments for this report.

Individual Sample Comments:

- There are no specific comments that are associated with these samples.

Approved By:	**Date:**
	7/11/2014

Sierra Environmental Monitoring, Inc.

This report is applicable only to the sample received by the laboratory. The liability of the laboratory is limited to the amount paid for this report. This report is for the exclusive use of the client to whom it is addressed and upon the condition that the client assumes all liability for the further distribution of the report or its contents.

John Kobza, Ph.D
Laboratory Director

1135 Financial Blvd.
Reno, Nv 89502-2348
Phone (775) 857-2400
Fax (888) 398-7002
sem@sem-analytical.com

John C. Seher
Special Consultant
Quality Assurance Manager

Laboratory Report
Report ID: 135856

Sierra Environmental Monitoring, Inc.

Lukins Brothers Water Company		Date:	7/11/2014
Attn: Jennifer Lukins		Client:	LUK-734
2031 West Way		Taken by:	D. Lukins
South Lake Tahoe, CA 96150		PO #:	

Analysis Report

Laboratory Accreditation Number: See Subcontract Report for Accreditation Number

Laboratory Sample ID	Customer Sample ID	Date Sampled	Time Sampled	Date Received
S201407-0312	Well #2	7/7/2014	5:00 PM	7/8/2014

Parameter	Method	Result	Units	MCL	Analyst	Date Analyzed	Data Flag
Organic Analysis	Subcontract	See Report					

SAMPLE WATER AS TESTED ____ DID X DID NOT MEET DRINKING WATER STANDARDS.

Laboratory Accreditation Number: See Subcontract Report for Accreditation Number

Laboratory Sample ID	Customer Sample ID	Date Sampled	Time Sampled	Date Received
S201407-0313	Well #5	7/7/2014	5:15 PM	7/8/2014

Parameter	Method	Result	Units	MCL	Analyst	Date Analyzed	Data Flag
Organic Analysis	Subcontract	See Report					

SAMPLE WATER AS TESTED ____ DID X DID NOT MEET DRINKING WATER STANDARDS.

Data Flag Legend:

John Kobza, Ph.D
Laboratory Director

1135 Financial Blvd.
Reno, Nv 89502-2348
Phone (775) 857-2400
Fax (888) 398-7002
sem@sem-analytical.com

John C. Seher
Special Consultant
Quality Assurance Manager

Laboratory Report
Report ID: 135856

Sierra Environmental Monitoring, Inc.

Lukins Brothers Water Company		**Date:**	7/11/2014
Attn: Jennifer Lukins		**Client:**	LUK-734
2031 West Way		**Taken by:**	D. Lukins
South Lake Tahoe, CA 96150		**PO #:**	

Quality Control Report

Parameter	*LCS, % Recovery*	*MS, % Recovery*	*MSD, % Recovery*	*RPD, %*	*Method Blank*
Sierra Environmental Monitoring collected no QC data for report 135856.					

Legend: ***LCS- Laboratory Control Standard*** ***MS- Matrix Spike*** ***MSD- Matrix Spike Duplicate*** ***RPD- Relative Percent Difference***

John Kobza, Ph.D
Laboratory Director

1135 Financial Blvd.
Reno, Nv 89502-2348
Phone (775) 857-2400
Fax (888) 398-7002
sem@sem-analytical.com

John C. Seher
Special Consultant
Quality Assurance Manager

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 07/11/2014

Joe Nava

Sierra Environmental Monitoring
1135 Financial
Reno, NV 89502

Client Project:	S201407
BCL Project:	Drinking Water Analysis
BCL Work Order:	1415293
Invoice ID:	B177777

Enclosed are the results of analyses for samples received by the laboratory on 7/9/2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Misty Orton
Client Service Rep

Authorized Signature

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com

Table of Contents

Sample Information
Chain of Custody and Cooler Receipt form 3
Laboratory / Client Sample Cross Reference 5
Sample Results
1415293-01 - S201407-0312-Well #2
Volatile Organic Analysis (EPA Method 524.2) 6
1415293-02 - S201407-0313-Well #5
Volatile Organic Analysis (EPA Method 524.2) 7
Quality Control Reports
Volatile Organic Analysis (EPA Method 524.2)
Method Blank Analysis 8
Laboratory Control Sample 9
Precision and Accuracy 10
Notes
Notes and Definitions 11

RUSH!

14-15293

Sierra Environmental Monitoring, Inc.
1135 Financial Blvd. - Reno - Nevada - 89502
Phone: (775) 857-2400 Fax: (775) 857-2404 Email: sem@sem-analytical.com

BC Laboratory Sub-Contract Chain of Custody Report
PO #135856

Sampled By: D. Lukins

Compliance:

Date Sampled	Time Sampled	Sample Type	Sample Identification	Analyses Requested	Remarks	Turn Around Time
7/7/2014	5:00:00 PM	Drinking Water	S201407-0312 - Well #2	Organic Analysis – PCE		3 Days
7/7/2014	5:15:00 PM	Drinking Water	S201407-0313 - Well #5	Organic Analysis – PCE		3 Days

Rec 7/11/14

CA Sample

CHK BY

DISTRIBUTION

SUB-OUT

	Signature	Print Name	Company	Date	Time
Relinquished By:		Brad Fox	SEM	7/8/14	1530
Received By:		Maira Mayorga	BC labs	7/9/14	1010
Relinquished By:					
Received By:					

Page 1 of 1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Chain of Custody and Cooler Receipt Form for 1415293 Page 2 of 2

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 17 06/08/14 Page 1 Of 1

Submission #: 14-15293

SHIPPING INFORMATION
Federal Express ☐ UPS ☒ Hand Delivery ☐
BC Lab Field Service ☐ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

FREE LIQUID
YES ☐ NO ☐

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: VOA Thermometer ID: 207 Date/Time 7/9/14 1010
Temperature: (A) 4.1 °C / (C) 4.4 °C Analyst Init MAM

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A3	A3	( )	( )	( )	( )	( )	( )	( )	( )
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL - 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz Amber EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
Summa Canister										

Comments:
Sample Numbering Completed By: [signature] Date/Time: 7/9/14 1020 (SAWPDocs\WordPerfect\LAB_DOCS\FORMS\SAMRECIP
A = Actual / C = Corrected

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Sierra Environmental Monitoring
1135 Financial
Reno, NV 89502

Reported: 07/11/2014 11:37
Project: Drinking Water Analysis
Project Number: S201407
Project Manager: Joe Nava

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1415293-01	COC Number:	---	Receive Date:	07/09/2014 10:10
	Project Number:	---	Sampling Date:	07/07/2014 17:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	S201407-0312-Well #2	Lab Matrix:	Water
	Sampled By:	D. Lukins	Sample Type:	Drinking Water
1415293-02	COC Number:	---	Receive Date:	07/09/2014 10:10
	Project Number:	---	Sampling Date:	07/07/2014 17:15
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	S201407-0313-Well #5	Lab Matrix:	Water
	Sampled By:	D. Lukins	Sample Type:	Drinking Water

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Sierra Environmental Monitoring
1135 Financial
Reno, NV 89502

Reported: 07/11/2014 11:37
Project: Drinking Water Analysis
Project Number: S201407
Project Manager: Joe Nava

Volatile Organic Analysis (EPA Method 524.2)

BCL Sample ID: 1415293-01 | Client Sample Name: S201407-0312-Well #2, 7/7/2014 5:00:00PM, D. Lukins

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Tetrachloroethene	30	ug/L	0.50		EPA-524.2	ND		1
1,2-Dichloroethane-d4 (Surrogate)	114	%	75 - 125 (LCL - UCL)		EPA-524.2			1
Toluene-d8 (Surrogate)	101	%	80 - 120 (LCL - UCL)		EPA-524.2			1
4-Bromofluorobenzene (Surrogate)	92.2	%	80 - 120 (LCL - UCL)		EPA-524.2			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-524.2	07/09/14	07/09/14 14:58	JCC	MS-V14	1	BXG0704

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Sierra Environmental Monitoring
1135 Financial
Reno, NV 89502

Reported: 07/11/2014 11:37
Project: Drinking Water Analysis
Project Number: S201407
Project Manager: Joe Nava

Volatile Organic Analysis (EPA Method 524.2)

BCL Sample ID: 1415293-02 | **Client Sample Name:** S201407-0313-Well #5, 7/7/2014 5:15:00PM, D. Lukins

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Tetrachloroethene	16	ug/L	0.50		EPA-524.2	ND		1
1,2-Dichloroethane-d4 (Surrogate)	108	%	75 - 125 (LCL - UCL)		EPA-524.2			1
Toluene-d8 (Surrogate)	101	%	80 - 120 (LCL - UCL)		EPA-524.2			1
4-Bromofluorobenzene (Surrogate)	92.8	%	80 - 120 (LCL - UCL)		EPA-524.2			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-524.2	07/09/14	07/09/14 15:20	JCC	MS-V14	1	BXG0704

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Sierra Environmental Monitoring
1135 Financial
Reno, NV 89502

Reported: 07/11/2014 11:37
Project: Drinking Water Analysis
Project Number: S201407
Project Manager: Joe Nava

Volatile Organic Analysis (EPA Method 524.2)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXG0704						
Tetrachloroethene	BXG0704-BLK1	<0.50	ug/L	0.50		
1,2-Dichloroethane-d4 (Surrogate)	BXG0704-BLK1	114	%	75 - 125 (LCL - UCL)		
Toluene-d8 (Surrogate)	BXG0704-BLK1	101	%	80 - 120 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BXG0704-BLK1	90.8	%	80 - 120 (LCL - UCL)		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Sierra Environmental Monitoring 1135 Financial Reno, NV 89502	Reported: 07/11/2014 11:37 Project: Drinking Water Analysis Project Number: S201407 Project Manager: Joe Nava

Volatile Organic Analysis (EPA Method 524.2)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXG0704										
1,2-Dichloroethane-d4 (Surrogate)	BXG0704-BS1	LCS	10.920	10.000	ug/L	109		75 - 125		
Toluene-d8 (Surrogate)	BXG0704-BS1	LCS	10.110	10.000	ug/L	101		80 - 120		
4-Bromofluorobenzene (Surrogate)	BXG0704-BS1	LCS	9.8400	10.000	ug/L	98.4		80 - 120		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Sierra Environmental Monitoring
1135 Financial
Reno, NV 89502

Reported: 07/11/2014 11:37
Project: Drinking Water Analysis
Project Number: S201407
Project Manager: Joe Nava

Volatile Organic Analysis (EPA Method 524.2)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXG0704	Used client sample: N										
1,2-Dichloroethane-d4 (Surrogate)	MS	1415228-04	ND	10.980	10.000	ug/L		110		75 - 125	
	MSD	1415228-04	ND	10.530	10.000	ug/L	4.2	105		75 - 125	
Toluene-d8 (Surrogate)	MS	1415228-04	ND	10.170	10.000	ug/L		102		80 - 120	
	MSD	1415228-04	ND	10.040	10.000	ug/L	1.3	100		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1415228-04	ND	10.110	10.000	ug/L		101		80 - 120	
	MSD	1415228-04	ND	10.010	10.000	ug/L	1.0	100		80 - 120	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Sierra Environmental Monitoring 1135 Financial Reno, NV 89502	**Reported:** 07/11/2014 11:37 Project: Drinking Water Analysis Project Number: S201407 Project Manager: Joe Nava

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Sierra Environmental Monitoring, Inc.
1135 Financial Blvd. - Reno - Nevada - 89502
Phone: (775) 857-2400 Fax: (775) 857-2404 Email: sem@sem-analytical.com

BC Laboratory Sub-Contract Chain of Custody Report

PO #135856

Sampled By: D. Lukins

Compliance:

Date Sampled	Time Sampled	Sample Type	Sample Identification	Analyses Requested	Remarks	Turn Around Time
7/7/2014	5:00:00 PM	Drinking Water	S201407-0312 - Well #2	Organic Analysis — PCE		3 Days
7/7/2014	5:15:00 PM	Drinking Water	S201407-0313 - Well #5	Organic Analysis — PCE		3 Days

Due 7/11/14

CA Sample

	Signature	Print Name	Company	Date	Time
Relinquished By:	[signature]	Proctor	SEM	7/8/14	1530
Received By:					
Relinquished By:					
Received By:					

SIERRA ENVIRONMENTAL MONITORING, INC.
1135 FINANCIAL BOULEVARD - RENO - NEVADA - 89502
PHONE: (775) 857 - 2400 FAX: (775) 857 - 2404 E-Mail sem@sem-analytical.com

CHAIN OF CUSTODY RECORD

NEW ADDRESS ?
Results To: ☐
Invoice To: ☐

P.O. or Project #

BC 135856

Results To:

Client Name: Lukins Brothers Water Co
E-mail: Jennifer@lukinswater.com
Mailing Address: 2031 West WY
Phone:
Fax: 530-541-2606
City: So. Lake Tahoe State: Ca Zip: 96150
Report Attention: Jennifer

Invoice To:

Client Name
E-mail
Mailing Address
Phone #
Fax #
City State Zip
Invoice Attention:

Sampled by: Danny Lukins Signature: Danny Lukins

I attest to the validity and authenticity of the sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time is considered fraud and may be grounds for legal action.

Analyses Requested

Turnaround Time/Results/Invoice: RUSH!

Standard: ☐
Rush (Surcharge will Apply)
Same Day: ☐ 72 Hr: ☐
24 Hr: ☐ 4 Day: ☒
48 Hr: ☐ 5 Day: ☐
Other (specify): ☐

Compliance Monitoring: Yes: ☒ No: ☐

Send Results Via: Mail: ☒ Email: ☒ Fax: ☐ Phone: ☐
Send Invoice Via: Mail: ☒ Email: ☐ Fax: ☐

Lab Use Only: Sub-Sample pH

Date Sampled	Time Sampled	Sample Type*	Sample Identification	Preservative* See Key Below	Number of Containers		Remarks	<2	>12
7/7/14	5:00	1	Well #2		4	✓			
7/7/14	5:15	1	Well #5		4	✓			

	Signature	Print Name	Company	Date	Time
Relinquished By:	Danny Lukins	Danny Lukins	Lukins Brothers	7/8/2014	804
Received By:					
Relinquished By:					
Received By:					
Relinquished By:					
Received By Laboratory:		D. Boso	SEM	7/8/14	0804

Custody Seal Intact
Yes: ☐ No: ☐ None: ☒
Sample Temperature
Degrees C 7°

Samples are discarded 30 days after results are reported unless other arrangements are made and storage fees may apply. Hazardous samples will be returned to client or disposed of at clients expense.
The analytical results associated with this COC apply only to these samples as they are received by the laboratory. The liability of the laboratory is limited to the amount paid for the report.
Terms: Net thirty (30) days on approved credit.

*KEY: Sample Type: 1=Drinking Water, 2=Surface Water, 3=Ground Water, 4=Waste Water, 5=Soil, 6=RCRA, 7=Other
Preservative: 1=NaOH, 2=NaOH + ZnOAC, 3=HNO3, 4=H2SO4, 5=Na2S2O3, 6=None, 7=Other

SEM COC Form Revised 01/31/13

ElectronicTransferData

CustomerN	OrderID	CustomerS	Collector	CollectDate	SampleNu	Matrix	TestGroup	Param	Method	RDL	Reported F	Units
Lukins Bro	135857	Well #2	D. Lukins	7/7/2014	S201407-0	Drinking Water		Organic Ar	Subcontract		See Report	
Lukins Bro	135857	Well #5	D. Lukins	7/7/2014	S201407-0	Drinking Water		Organic Ar	Subcontract		See Report	

Laboratory Report
Report ID: 135857

Sierra Environmental Monitoring, Inc.

Lukins Brothers Water Company
Attn: Jennifer Lukins
2031 West Way
South Lake Tahoe, CA 96150

Date: 7/11/2014
Client: LUK-734
Taken by: D. Lukins
PO #:

Dear Jennifer Lukins,

It is the policy of Sierra Environmental Monitoring, Inc to strictly adhere to a comprehensive Quality Assurance Plan that insures the data presented in this report are both accurate and precise. Sierra Environmental Monitoring, Inc. maintains accreditation in the State of Nevada (NV-15 and NV-921) and the State of California (ELAP 2526).

The data presented in this report were obtained from the analysis of samples received under a chain of custody. Unless otherwise noted below, samples were received in good condition, properly preserved and within the hold time for the requested analyses. Any anomalies associated with the analysis of the samples have been flagged with appropriate explanation in the Analysis Report section of this Laboratory Report.

General Comments:

- There are no general comments for this report.

Individual Sample Comments:

- There are no specific comments that are associated with these samples.

Approved By: **Date:**

Sierra Environmental Monitoring, Inc. 7/11/2014

This report is applicable only to the sample received by the laboratory. The liability of the laboratory is limited to the amount paid for this report. This report is for the exclusive use of the client to whom it is addressed and upon the condition that the client assumes all liability for the further distribution of the report or its contents.

John Kobza, Ph.D
Laboratory Director

1135 Financial Blvd.
Reno, Nv 89502-2348
Phone (775) 857-2400
Fax (888) 398-7002
sem@sem-analytical.com

John C. Seher
Special Consultant
Quality Assurance Manager

Laboratory Report
Report ID: 135857

Sierra Environmental Monitoring, Inc.

Lukins Brothers Water Company		**Date:**	7/11/2014
Attn: Jennifer Lukins		**Client:**	LUK-734
2031 West Way		**Taken by:**	D. Lukins
South Lake Tahoe, CA 96150		**PO #:**	

Analysis Report

Laboratory Accreditation Number: See Subcontract Report for Accreditation Number

Laboratory Sample ID	Customer Sample ID	Date Sampled	Time Sampled	Date Received
S201407-0314	Well #2	7/7/2014	4:40 PM	7/8/2014

Parameter	Method	Result	Units	MCL	Analyst	Date Analyzed	Data Flag
Organic Analysis	Subcontract	See Report					

SAMPLE WATER AS TESTED ____ DID X DID NOT MEET DRINKING WATER STANDARDS.

Laboratory Accreditation Number: See Subcontract Report for Accreditation Number

Laboratory Sample ID	Customer Sample ID	Date Sampled	Time Sampled	Date Received
S201407-0315	Well #5	7/7/2014	5:05 PM	7/8/2014

Parameter	Method	Result	Units	MCL	Analyst	Date Analyzed	Data Flag
Organic Analysis	Subcontract	See Report					

SAMPLE WATER AS TESTED ____ DID X DID NOT MEET DRINKING WATER STANDARDS.

Data Flag Legend:

John Kobza, Ph.D
Laboratory Director

1135 Financial Blvd.
Reno, Nv 89502-2348
Phone (775) 857-2400
Fax (888) 398-7002
sem@sem-analytical.com

John C. Seher
Special Consultant
Quality Assurance Manager

Laboratory Report
Report ID: 135857

Sierra Environmental Monitoring, Inc.

Lukins Brothers Water Company
Attn: Jennifer Lukins
2031 West Way
South Lake Tahoe, CA 96150

Date: 7/11/2014
Client: LUK-734
Taken by: D. Lukins
PO #:

Quality Control Report

Parameter	*LCS, % Recovery*	*MS, % Recovery*	*MSD, % Recovery*	*RPD, %*	*Method Blank*
Sierra Environmental Monitoring collected no QC data for report 135857.					

Legend: ***LCS- Laboratory Control Standard*** ***MS- Matrix Spike*** ***MSD- Matrix Spike Duplicate*** ***RPD- Relative Percent Difference***

John Kobza, Ph.D
Laboratory Director

1135 Financial Blvd.
Reno, Nv 89502-2348
Phone (775) 857-2400
Fax (888) 398-7002
sem@sem-analytical.com

John C. Seher
Special Consultant
Quality Assurance Manager

BSK Associates Fresno
1414 Stanislaus St
Fresno, CA93706
559-497-2888 (Main)
559-485-6935 (FAX)

A4G0853
7/10/2014
Invoice: A414644

Robin Procter
Sierra Environmental Monitoring
1135 Financial Blvd
Reno, NV 89502

RE: Report for A4G0853 Drinking Water Organics - EDT

Dear Robin Procter,

Thank you for using BSK Associates for your analytical testing needs. In the following pages, you will find the test results for the samples submitted to our laboratory on 7/9/2014. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

The samples were analyzed for the test(s) indicated on the Chain of Custody (see attached) and the results relate only to the samples analyzed. BSK certifies that the testing was performed in accordance with the quality system requirements specified in the 2009 TNI Standard. Any deviations from this standard or from the method requirements for each test procedure performed will be annotated alongside the analytical result or noted in the Case Narrative. Unless otherwise noted, the sample results are reported on an "as received" basis.

Thanks again for using BSK Associates. We value your business and appreciate your loyalty.

Sincerely,

John Montierth, Project Manager

If additional clarification of any information is required, please contact your Project Manager, John Montierth , at (800) 877-8310 or (559) 497-2888 x201.

Accredited in Accordance with NELAP
ORELAP #4021

BSK Associates Engineers & Laboratories

A4G0853

Drinking Water Organics - EDT

Case Narrative

Project and Report Details		Invoice Details	
Client:	Sierra Environmental Monitoring	**Invoice To:**	Sierra Environmental Monitoring
Report To:	Robin Procter	**Invoice Attn:**	Robin Procter
Project #:	S201407	**Project PO#:**	135857
Received:	7/09/2014 - 10:00		
Report Due:	7/11/2014		

Sample Receipt Conditions

Cooler: Default Cooler
Temperature on Receipt °C: 5.3

Containers Intact
COC/Labels Agree
Received On Wet Ice
Packing Material - Bubble Wrap
Sample(s) were received in temperature range.
Initial receipt at BSK-FAL

Data Qualifiers

The following qualifiers have been applied to one or more analytical results:

None applied

Report Distribution

Recipient(s)	Report Format	CC:
Reporting	FINAL.RPT	rprocter@sem-analytical.com
Reporting	WRITEON.RPT	rprocter@sem-analytical.com
Robin Procter	FINAL.RPT	

BSK Associates Engineers & Laboratories

A4G0853

Drinking Water Organics - EDT

S201407

Certificate of Analysis

Sample ID: A4G0853-01
Sampled By: D. Lukins
Sample Description: S201407-0314 - Well #2

Sample Date - Time: 07/07/14 - 16:40
Matrix: Drinking Water
Sample Type: Grab

BSK Associates Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Perchloroethene, Trichloroethene by GC-MS									
Tetrachloroethene (PCE)	EPA 524.2	22	0.50	ug/L	1	A406471	07/08/14	07/09/14	
Surrogate: 1,2-Dichlorobenzene-d4	EPA 524.2	94 %	*Acceptable range:*		*70-130 %*				
Surrogate: Bromofluorobenzene	EPA 524.2	96 %	*Acceptable range:*		*70-130 %*				

BSK Associates
Engineers & Laboratories

A4G0853

Drinking Water Organics - EDT

S201407

Certificate of Analysis

Sample ID: A4G0853-02
Sampled By: D. Lukins
Sample Description: S201407-0315 - Well #5

Sample Date - Time: 07/07/14 - 17:05
Matrix: Drinking Water
Sample Type: Grab

BSK Associates Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Perchloroethene, Trichloroethene by GC-MS									
Tetrachloroethene (PCE)	EPA 524.2	16	0.50	ug/L	1	A406471	07/08/14	07/09/14	
Surrogate: 1,2-Dichlorobenzene-d4	EPA 524.2	97 %	*Acceptable range: 70-130 %*						
Surrogate: Bromofluorobenzene	EPA 524.2	99 %	*Acceptable range: 70-130 %*						

BSK Associates Engineers & Laboratories

A4G0853

Drinking Water Organics - EDT

BSK Associates Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 524.2 - Quality Control											
Batch: A408471										Prepared: 07/09/2014	
Prep Method: EPA 524.2										Analyst: JGB	
Blank (A408471-BLK1)											
Tetrachloroethene (PCE)	ND	0.50	ug/L							07/09/14	
Trichloroethene (TCE)	ND	0.50	ug/L							07/09/14	
Surrogate: 1,2-Dichlorobenzene-d4	*4.5*			*5.0*		*91*	*70-130*			07/09/14	
Surrogate: Bromofluorobenzene	*47*			*50*		*93*	*70-130*			07/09/14	
Blank Spike (A408471-BS1)											
Tetrachloroethene (PCE)	9.9	0.50	ug/L	10		99	70-130			07/09/14	
Trichloroethene (TCE)	9.9	0.50	ug/L	10		99	70-130			07/09/14	
Surrogate: 1,2-Dichlorobenzene-d4	*5.2*			*5.0*		*103*	*70-130*			07/09/14	
Surrogate: Bromofluorobenzene	*50*			*50*		*99*	*70-130*			07/09/14	
Blank Spike Dup (A408471-BSD1)											
Tetrachloroethene (PCE)	9.7	0.50	ug/L	10		97	70-130	2	30	07/09/14	
Trichloroethene (TCE)	10	0.50	ug/L	10		100	70-130	0	30	07/09/14	
Surrogate: 1,2-Dichlorobenzene-d4	*5.0*			*5.0*		*100*	*70-130*			07/09/14	
Surrogate: Bromofluorobenzene	*49*			*50*		*97*	*70-130*			07/09/14	

Certificate of Analysis

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of according to BSK's sample retention policy unless other arrangements are made in advance.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) - Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value,
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.
- Due to the subjective nature of the Threshold Odor Method, all characterizations of the detected odor are the opinion of the panel of analysts. The characterizations can be found in Standard Methods 2170B Figure 2170:1.

Definitions

mg/L:	Milligrams/Liter (ppm)	MDL:	Method Detection Limit	MDA95:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit: DL x Dilution	MPN:	Most Probable Number
µg/L:	Micrograms/Liter (ppb)	ND:	None Detected at RL	CFU:	Colony Forming Unit
µg/Kg:	Micrograms/Kilogram (ppb)	pCi/L:	Picocuries per Liter	Absent:	Less than 1 CFU/100mLs
%:	Percent Recovered (surrogates)	RL Mult:	RL Multiplier	Present:	1 or more CFU/100mLs
NR:	Non-Reportable				

BSK is not accredited under the NELAC program for the following parameters: **NA**

Certifications: **Please refer to our website for a copy of our Accredited Fields of Testing under each certification.**

Fresno

State of California - ELAP	1180	State of Hawaii	4021
State of Nevada	CA000792014-1	State of Oregon - ORELAP	4021
EPA - UCMR3	CA00079	State of Washington	C997-14

Sacramento

State of California - ELAP	2435

Vancouver

State of Oregon - ORELAP	WA100008	State of Washington	C824-13

A4G0853

Sierra Environmental Monitoring

Sierr2400

07092014

Turnaround: Standard
Due Date: 7/11/2014

Printed: 7/9/2014 5:11:04PM
Page 1 of 1

A4G0853 07/09/2014
Sierr2400 2

Sierra Environmental Monitoring, Inc.
1135 Financial Blvd. - Reno - Nevada - 89502
Phone: (775) 857-2400 Fax: (775) 857-2404 Email: sem@sem-analytical.com

BSK Lab

Custody Report
PO #135857

5.3 Sampled By: D. Lukins Compliance:

Date Sampled	Time Sampled	Sample Type	Sample Identification	Analyses Requested	Remarks	Turn Around Time
7/7/2014	4:40:00 PM	Drinking Water	S201407-0314 - Well #2	Organic Analysis - PCE		3 Days
7/7/2014	5:05:00 PM	Drinking Water	S201407-0315 - Well #5	Organic Analysis - PCE		3 Days

CA Sample Due 7/14/14

	Signature	Print Name	Company	Date	Time
Relinquished By:		Proctor	SEM	7/8/14	1532
Received By:					
Relinquished By:					
Received By:		Nick Robles	BSK	7/9/14	1000

wet/ups/Bu

BSK Associates SR-FL-0002-09

A4G0853
Sierr2400 07/09/2014
2

Sample Integrity

BSK Bottles: Yes No Page 1 of 1

COC Info				
Was temperature within range? Chemistry ≤ 6°C Micro < 10°C	Yes No NA	Were correct containers and preservatives received for the tests requested?	Yes No NA
If samples were taken today, is there evidence that chilling has begun?	Yes No NA	Were there bubbles in the VOA vials? (Volatiles Only)	Yes No NA
Did all bottles arrive unbroken and intact?	Yes No	Was a sufficient amount of sample received?	Yes No
Did all bottle labels agree with COC?	Yes No	Do samples have a hold time <72 hours?	Yes No
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes No NA	Was PM notified of discrepancies? PM: By/Time:	Yes No NA

Bottles Received — "_" means preservation/chlorine checks are either N/A or are performed in the lab

250ml(A) 500ml(B) 1Liter(C) 40ml VOA(V)	Checks	Passed?	1-2					
Bacl $Na_2S_2O_3$	—							
None (P) White Cap	—	—						
Cr6 Buffer (P) Blue Cap	pH 9-9.5	Y N						
HNO_3 (P) Red Cap	—	—						
H_2SO_4 (P) Yellow Cap	pH ≤ 2	Y N						
NaOH (P) Green Cap	Cl, pH ≥12	Y N						
NaOH + ZnAc (P)	pH ≥ 9	Y N						
Dissolved Oxygen 300ml (g)	—	—						
None (AG) 608/8081/8082, 625, 632/8321, 8151/8270	—							
H_2SO_4 (AG) Yellow Label O&G, Diesel	—	—						
$Na_2S_2O_3$ Liter (Brown P) 649	—							
$Na_2S_2O_3$ (AG) Blue Label 547, 515, 525, 548	—	—						
$Na_2S_2O_3$ (AG) Blue Label THM 524.2 or 524.3	—							
$Na_2S_2O_3$ (CG) Blue Label 504, 505	—	—						
$Na_2S_2O_3$ + MCAA (CG) Orange Label 531	pH 3	Y N						
NH_4Cl (AG) Purple Label 552	—	—						
EDA (AG) Brown Label DBPs	—							
Ascorbic + Maleic (AG) Lt Green Label 524.3	—	—						
HCL (CG) 524.2,BTEX,Gas, MTBE, 8260/624	—	—	3					
Buffer pH 4 (CG)	—	—						
None (CG)	—	—						
H_3PO_4 (CG) Salmon Label	—	—						
Other:	—	—				7-9-14		
Asbestos 1Liter Plastic w/ Foil	—	—						
Low Level Hg / Metals Double Baggie	—	—				NR		
Bottled Water	—	—						
Clear Glass Jar: 250 / 500 / 1-Liter	—	—						
Soil Tube Brass / Steel / Plastic	—	—						
Tedlar Bag / Plastic Bag	—	—						

Split

	Container	Preservative	Date/Time/Initials		Container	Preservative	Date/Time/Initials
S P				S P			
S P				S P			

Comments

Labeled by: [illegible] @ [illegible] Labels checked by: [illegible] @ 1053 RUSH Paged by: _____ @ _____

BSK Associates

EDT

Date of Report: 14|07|10|1613
Laboratory Name: BSK Analytical Laboratories
Name of Sampler: D. Lukins

Sample ID No.: A4G0853-01
Signature Lab Director:

Date/Time Sample Collected: 14|07|07|1640
Date/Time Sample Received @ Lab : 14|07|09|1000
Date Analyses Completed: 14|07|09

System Name: LUKINS BROTHERS WATER COMPANY
Name or Number of Sample Source: WELL 02
System Number: 0910007

User ID: TEN
Date/Time of Sample: 14|07|07|1640
Submitted by: BSK Associates Fresno

Station Number: 0910007-002
Laboratory Code: 5810
Date Analyses Completed: 14|07|09
Phone #: 559-497-2888

TEST METHOD	CHEMICAL	ENTRY #	ANALYSES RESULTS	MCL µG/L	DLR µG/L
	REGULATED ORGANIC CHEMICALS				
EPA 524.2	**Tetrachloroethylene (PCE)**	**34475**	**22**	**5**	**0.5**

QA-RP-0005-00 Writeon.rpt

A4G0853 FINAL 07102014 1613

BSK Associates

EDT

Date of Report: 14|07|10|1613
Laboratory Name: BSK Analytical Laboratories
Name of Sampler: D. Lukins

Sample ID No.: A4G0853-02
Signature Lab Director:

Date/Time Sample Collected: 14|07|07|1705
Date/Time Sample Received @ Lab : 14|07|09|1000
Date Analyses Completed: 14|07|09

System Name: LUKINS BROTHERS WATER COMPANY
Name or Number of Sample Source: WELL 05
System Number: 0910007

User ID: TEN
Date/Time of Sample: 14|07|07|1705
Submitted by: BSK Associates Fresno

Station Number: 0910007-005
Laboratory Code: 5810
Date Analyses Completed: 14|07|09
Phone #: 559-497-2888

TEST METHOD	CHEMICAL	ENTRY #	ANALYSES RESULTS	MCL µG/L	DLR µG/L
	REGULATED ORGANIC CHEMICALS				
EPA 524.2	**Tetrachloroethylene (PCE)**	**34475**	**16**	**5**	**0.5**

1414 Stanislaus St Fresno, CA, 93706 559-497-2888 FAX 559-485-6935 www.bskassociates.com

BSK
135857

SIERRA ENVIRONMENTAL MONITORING, INC.
1135 FINANCIAL BOULEVARD - RENO - NEVADA - 89502
PHONE: (775) 857 - 2400 FAX: (775) 857 - 2404 E-Mail sem@sem-analytical.com

CHAIN OF CUSTODY RECORD

NEW ADDRESS ?
Results To: ☐
Invoice To: ☐

P.O. or Project #

Results To:
Client Name: Lukins Brothers WaterCo
E-mail: Jennifer@lukinswater.com
Mailing Address: 2031 West Way
Phone:
Fax: 530-541-2606
City: So. Lake Tahoe State: Ca Zip: 96150
Report Attention: Jennifer

Invoice To:
Client Name
E-mail
Mailing Address
Phone #
Fax #
City State Zip
Invoice Attention:

Sampled by: Danny Lukins Signature: Danny Lukins

I attest to the validity and authenticity of the sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time is considered fraud and may be grounds for legal action.

Analyses Requested: RUSH

Turnaround Time/Results/Invoice
Standard: ☐
Rush (Surcharge will Apply)
Same Day: ☐ 72 Hr: ☐
24 Hr: ☐ 4 Day: ☒
48 Hr: ☐ 5 Day: ☐
Other (specify): ☐

Compliance Monitoring
Yes: ☒
No: ☐

Send Results Via:
Mail: ☒ Email: ☒ Fax: ☐ Phone: ☐
Send Invoice Via:
Mail: ☒ Email: ☐ Fax: ☐

Lab Use Only
Sub-Sample
pH

Date Sampled	Time Sampled	Sample Type*	Sample Identification	Preservative* See Key Below	Number of Containers	PCE								Remarks	<2	>12
7/7/14	4:40	1	Well #2		4	✓										
7/7/14	5:05	1	Well #5		4	✓								1 Lid crack		

	Signature	Print Name	Company	Date	Time
Relinquished By:	Danny Lukins	Danny G Lukins	LBWC	7/8/2014	805
Received By:					
Relinquished By:					
Received By:					
Relinquished By:					
Received By Laboratory:	[illegible]	D. Fox	SEM	7/8/14	0805

Custody Seal Intact
Yes: ☐ No: ☐ None: ☒
Sample Temperature
Degrees C 7°

Samples are discarded 30 days after results are reported unless other arrangements are made and storage fees may apply. Hazardous samples will be returned to client or disposed of at clients expense.
The analytical results associated with this COC apply only to these samples as they are received by the laboratory. The liability of the laboratory is limited to the amount paid for the report.
Terms: Net thirty (30) days on approved credit.

* KEY: Sample Type: 1=Drinking Water, 2=Surface Water, 3=Ground Water, 4=Waste Water, 5=Soil, 6=RCRA, 7=Other
Preservative: 1=NaOH, 2=NaOH + ZnOAC, 3=HNO3, 4=H2SO4, 5=Na2S2O3, 6=None, 7=Other

SEM COC Form Revised 01/31/13

Sierra Environmental Monitoring, Inc.
1135 Financial Blvd. - Reno - Nevada - 89502
Phone: (775) 857-2400 Fax: (775) 857-2404 Email: sem@sem-analytical.com

BSK Laboratory Sub-Contract Chain of Custody Report

PO #135857

Sampled By: D. Lukins

Compliance:

Date Sampled	Time Sampled	Sample Type	Sample Identification	Analyses Requested	Remarks	Turn Around Time
7/7/2014	4:40:00 PM	Drinking Water	S201407-0314 - Well #2	Organic Analysis – PCE		3 Days
7/7/2014	5:05:00 PM	Drinking Water	S201407-0315 - Well #5	Organic Analysis – PCE		3 Days

CA Sample

Due 7/11/14

	Signature	Print Name	Company	Date	Time
Relinquished By:	[illegible]	Proctor	SEM	7/8/14	1532
Received By:					
Relinquished By:					
Received By:					

Attachment 4:

Water System email to Division with draft public notification documents, dated July 14, 2014

Turrubiartes, Salvador@Waterboards

From: Jennifer Lukins <Jennifer@lukinswater.com>
Sent: Monday, July 14, 2014 3:39 PM
To: Turrubiartes, Salvador@Waterboards
Subject: Please review
Attachments: customer notification.docx; PCE Fact Sheet.docx; statement PCE July 2014.docx

Hi Sal,
Please see the attached draft notice to customers and fact sheet. I also wrote up this news release, I am not sure that I will need it, but just made one in case. There is still information I need to place in these, just wanted to get your comments.

Thanks

Jennifer Lukins
Lukins Brothers Water Company, Inc.
(530) 541-2606
www.lukinswater.com

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Este informe contiene información muy importante sobre su agua potable.
Tradúzcalo o hable con alguien que lo entienda bien.

Lukins Brothers Water Company, Inc. Has Levels of Tetrachloroethylene (PCE) Above the Drinking Water Standard

During recent routine water samples, Lukins Brothers Water Company discovered that our water system failed to meet a drinking water standard. Although this is not an emergency, as our customers, you have a right to know what you should do, what happened, and what we are doing to correct this situation.

We routinely monitor for the presence of drinking water contaminants. Water sample results received on [date] showed Tetrachloroethylene (PCE) levels of [level and units]. This is above the standard, or maximum contaminant level (MCL) of 5 parts per billion.

What should I do?

- **You do not need to use an alternative water supply (e.g., bottled water).**
- This is not an immediate risk. If it had been, you would have been notified immediately. However, people with long term exposure to Tetrachloroethylene (PCE) in drinking water above the MCL can cause adverse effects to the liver, kidneys and central nervous system.
- If you have other health issues concerning the consumption of this water, you may wish to consult your doctor.

What happened? What is being done?

Lukins mission is to provide a safe and reliable drinking water supply. The recent results were unforeseen and unexpected based on the previous test results. The following actions have been take to ensure customer safety and water quality:

Lukins immediately followed protocol and contacted the Department of Public Health and our lab for verification and instruction on immediate response measures. Resamples were taken, and the contaminated well sites were shut down. The intertie with South Tahoe Public Utility District has been opened to provide additional water to customers.

We are working with local and state agencies to evaluate water supply and determine filtration options. Additionally, we are investigating drilling a new well. As information becomes available, customers will be notified. Please visit our website at www.lukinswater.com for updated information.

For more information, please contact Jennifer Lukins at (530) 541-2606 or jennifer@lukinswater.com.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this public notice in a public place or distributing copies by hand or mail.

Secondary Notification Requirements

Upon receipt of notification from a person operating a public water system, the following notification must be given within 10 days [Health and Safety Code Section 116450(g)]:

- SCHOOLS: Must notify school employees, students, and parents (if the students are minors).
- RESIDENTIAL RENTAL PROPERTY OWNERS OR MANAGERS (including nursing homes and care facilities): Must notify tenants.
- BUSINESS PROPERTY OWNERS, MANAGERS, OR OPERATORS: Must notify employees of businesses located on the property.

This notice is being sent to you by Lukins Brothers Water Company, Inc.

State Water System ID#: 0910007. Date distributed: _____.

Lukins Brothers Water Company, Inc.
Fact Sheet- Tetrachloroethylene (PCE)
July 10, 2014

This fact sheet provides information about tetrachloroethylene, also known as PCE that has been found in both public and private water systems including Lukins Brothers Water Company, Inc. and other water systems in the basin.

Lukins complies with Title 22 California Code of Regulations for Water Testing and Monitoring. Lukins reports all test results to California Department of Public Health (CDPH). In a recent water test, the PCE level was reported above the maximum contaminant level. The maximum contaminant levels per CDPH is 5 parts per billion (ppb). Lukins' testing results exceeded the maximum contaminant level and we have taken the following actions to mitigate the problem:

1. (List the steps here).

What is Tetrachloroethylene (PCE)?
PCE is a colorless liquid with a mild, chloroform-like odor. It is mostly used in the textile industry and as a component of aerosol dry-cleaning products. PCE is also commonly used in wood processing, metal degreasing, paint remover, glues and silicone lubricants.

When PCE is improperly disposed of or spilled into the environment (improper disposal of materials in storm drains, spilling onto soil) the potential for water supply contamination is present. PCE will seep through the soil and eventually reach groundwater supplies.

How are people exposed to Tetrachloroethylene (PCE)?
PCE exposure can occur through breathing air containing PCE vapor, skin contact by using products containing PCE's, and through drinking water from a ground water source contaminated with PCE.

What are potential health impacts due to prolonged exposure to high levels of PCE?
Skin contact for a short period of time may cause a rash and skin irritation; prolonged or repeated exposure can cause drying and cracking of the skin with rash, redness and blisters.

Drinking high concentrations of PCE (need to say here what level is considered high) over prolonged period of time can cause liver and kidney damage, harm the immune system and hematologic system.

According to the United States Environmental Protection Agency (EPA), prolonged exposure to PCE is "likely to be carcinogenic to humans" as there is evidence that there may be a link between prolonged exposure and cancer. Young children, the elderly, and people with chronic health conditions may be at more risk when exposed to PCE.

How is PCE Treated in drinking water?
Treatment of groundwater containing PCE can be done by using air stripping tower or activated carbon filtration. Both technologies are currently being used by other water systems in the Lake Tahoe Basin.

An important part of PCE treatment is remediation of source removal. After determining the source of contamination, agencies can begin removing the contamination by pumping and treating, soil vapor extraction, surface or thermal treatment. Lukins is actively working with California Department of Public Health to determine treatment to its groundwater supply to address the PCE contamination.

What does this mean for me?

We have opened our intertie with South Tahoe Public Utility District, and are utilizing our well #1 to supply the water into Lukins' water system. We will have updates on website (www.lukinswater.com) regarding this issue. Our mission is to provide you with reliable and safe drinking water. Rest assured that Lukins is taking every action that is needed to be consistent with its mission.

What are next steps?

Lukins continues to work with the CDPH staff, California Public Utilities Commission Staff, as well as local regulatory agencies to keep its water supply safe and reliable. (Add the steps from above on mitigating the problems list.)

Lukins Brothers Water Company, Inc.

PRESS RELEASE

FOR IMMEDIATE RELEASE
Media Contact: Jennifer Lukins, 50-541-2606, jennifer@lukinswater.com

South Lake Tahoe, Calif., July __, 2014- Lukins Brothers Water Company, Inc. received confirmation from our water testing lab that title 22 compliance test results for Tetrachloroethylene (PCE) exceeded the Maximum Contaminant Level (MCL) at two of our well sites. As required by the California Department of Public and Title 22, PCE levels are tested every three years.

The MCL is 5 parts per billion (ppb) for PCE. Two of Lukins wells (Well #2 and Well #5) reported levels of __ and __ ppb.

Lukins test in accordance with Title 22 regulations, previous PCE test results are listed below.

November 2011:	Well #1	No Detection of PCE
	Well #2	PCE levels at 4.5ppb
	Well #5	Lab error, resulting in inclusive results. Lukins retested
January 2012	Well #5	PCE levels at 2.6ppb

Lukins mission is to provide a safe and reliable drinking water supply. The recent results were unforeseen and unexpected based on the previous test results. The following actions have been take to ensure customer safety and water quality:

> Lukins immediately followed protocol and contacted the Department of Public Health and our lab for verification and instruction on immediate response measures.
>
> CDPH requested Lukins to shut down both wells until a solution could be determined. Lukins agreed, and immediately shut down both wells and opened our emergency intertie with South Tahoe Public Utility District.

Please note that Well #1 reported No Detection of PCE during past and most recent tests. Additionally, California Department of Public Health did not require Lukins to issue a do not drink order because we were able to shut down the wells and provide adequate safe water supply to our customer from our Well #1 and the South Tahoe PUD intertie.

As additional information becomes available, customers will be notified. Please visit our website at www.lukinswater.com for updated information. Lukins continues to work collaboratively and tirelessly with local, state and federal agencies to ensure this issue is resolved safely and quickly.

Attachment 5:

Instructions for Tier 2 Chemical MCL Notice & Template

Instructions for Tier 2 Chemical or Radiological MCLs Notice Template

Template Attached

Since exceeding chemical or radiological maximum contaminant levels (MCLs) is a Tier 2 violation, you must provide public notice to persons served as soon as practical but within 30 days after you learn of the violation [California Code of Regulations Title 22, Chapter 15, Section 64463.4(b)]. **Each water system required to give public notice must submit the notice to the Division for approval prior to distribution or posting, unless otherwise directed by the Division [64463(b)].**

Notification Methods

You must use the methods summarized in the table below to deliver the notice to consumers. If you mail, post, or hand deliver, print your notice on letterhead, if available.

If You Are a...	*You Must Notify Consumers by...*	*...and By One or More of the Following Methods to Reach Persons Not Likely to be Reached by the Previous Method...*
Community Water System [64463.4(c)(1)]	Mail or direct delivery [(a)]	Publication in a local newspaper
		Posting in public places served by the water system or on the Internet [(b)]
		Delivery to community organizations
Non-Community Water System [64463.4(c)(2)]	Posting in conspicuous locations throughout the area served by the water system [(b)]	Publication in a local newspaper or newsletter distributed to customers
		Email message to employees or students
		Posting on the Internet or intranet [(b)]
		Direct delivery to each customer

(a) Notice must be distributed to each customer receiving a bill including those that provide their drinking water to others (e.g., schools or school systems, apartment building owners, or large private employers), and other service connections to which water is delivered by the water system.

(b) Notice must be posted in place for as long as the violation or occurrence continues, but in no case less than seven days.

The notice attached is appropriate for the methods described above. However, you may wish to modify it before using it for posting. If you do, you must still include all the required elements and leave the health effects and notification language in italics unchanged. This language is mandatory [64465].

Multilingual Requirement

Spanish. Each public notice must contain information in Spanish regarding (1) the importance of the notice or (2) contain a telephone number or address where Spanish-speaking residents may contact the water system to obtain a translated copy of the public notice or assistance in Spanish.

Non-English Speaking Groups Other than Spanish-Speaking. For each group that exceeds 1,000 residents or 10% of the residents in the community served, whichever is

less, the public notice must (1) contain information in the appropriate language(s) regarding the importance of the notice or (2) contain a telephone number or address where such residents may contact the water system to obtain a translated copy of the notice or assistance in the appropriate language.

Population Served

Make sure it is clear who is served by your water system -- you may need to list the areas you serve.

Corrective Action

In your notice, describe corrective actions you are taking. Do not use overly technical terminology when describing treatment methods. Listed below are some steps commonly taken by water systems with chemical or radiological violations. Use one or more of the following actions, if appropriate, or develop your own:

- "We are working with [local/state agency] to evaluate the water supply and researching options to correct the problem. These options may include treating the water to remove [contaminant] or connecting to [system]'s water supply."
- "We have stopped using the contaminated well. We have increased pumping from other wells, and we are investigating drilling a new well."
- "We will increase the frequency at which we test the water for [contaminant]."
- "We have since taken samples at this location and had them tested. They show that we meet the standards."

After Issuing the Notice

Send a copy of each type of notice and a certification that you have met all the public notice requirements to the Division within ten days after you issue the notice [64469(d)]. You should also issue a follow-up notice in addition to meeting any repeat notice requirements the Division sets.

It is recommended that you notify health professionals in the area of the violation. People may call their doctors with questions about how the violation may affect their health, and the doctors should have the information they need to respond appropriately.

It is a good idea to issue a "problem corrected" notice when the violation is resolved.

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Este informe contiene información muy importante sobre su agua potable.
Tradúzcalo o hable con alguien que lo entienda bien.

Lukins Brothers Water Company Had Levels of Tetrachloroethylene Above the Drinking Water Standard

Our water system recently violated a drinking water standard. Although this is not an emergency, as our customers, you have a right to know what you should do, what happened, and what we are doing to correct this situation.

We routinely monitor for the presence of drinking water contaminants. Water sample results received on July 11, 2014, showed Tetrachloroethylene levels between 16 µg/L (ppb) and 43 µg/L (ppb). This is above the standard, or maximum contaminant level (MCL) of 5 µg/L (ppb).

What should I do?

- **You do not need to use an alternative water supply (e.g., bottled water).**
- This is not an immediate risk. If it had been, you would have been notified immediately. However, some people who drink water containing tetrachloroethylene in excess of the MCL over many years may experience liver problems, and may have an increased risk of getting cancer.
- If you have other health issues concerning the consumption of this water, you may wish to consult your doctor.

What happened? What is being done?

The contaminated sources have been taken out of service and the water company has applied to reclassify them from "Active" to "Standby". To supplement water supply, Emergency interties with the neighboring water systems have been activated. We anticipate resolving the problem by January 2016.

For more information, please contact Jennifer Lukins at (530) 541-5606 or 2031 West Way, South Lake Tahoe, CA 96150.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this public notice in a public place or distributing copies by hand or mail.

Secondary Notification Requirements

Upon receipt of notification from a person operating a public water system, the following notification must be given within 10 days [Health and Safety Code Section 116450(g)]:

- SCHOOLS: Must notify school employees, students, and parents (if the students are minors).
- RESIDENTIAL RENTAL PROPERTY OWNERS OR MANAGERS (including nursing homes and care facilities): Must notify tenants.
- BUSINESS PROPERTY OWNERS, MANAGERS, OR OPERATORS: Must notify employees of businesses located on the property.

This notice is being sent to you by Lukins Brothers Water Company.

State Water System ID#: _0910007____. Date distributed: _____.

Attachment 6:

Proof of Notification Form

PROOF OF NOTIFICATION

Name of Water System: **Lukins Brothers Water Company**

System Number: 0910007

Certification

As required by Section 64463.4 of the California Code of Regulations, I notified the users of the water supplied by **Lukins Brothers Water Company** of the violation of the Primary Standards for Inorganic Chemicals required by the of the California Code of Regulations for the compliance period of April 1, 2014 through July 31, 2014. I complied with the directives of this Compliance Order as indicated below:

Required Action	Date Completed
Public Notification – Mail or Direct Delivery	
Public Notification – Publication in a local newspaper	
Plan and time schedule for monitoring compliance	

_____ _____

Signature of Water System Representative Date