

**From:** [Jamie Belcourt \(adpce.ad\)](#)  
**To:** [Brad Stewart \(bstewart@springdalewater.com\)](#)  
**Cc:** [Heath Ward](#); [Jennifer Enos](#); [David Ramsey \(adpce.ad\)](#); [Stacie Wassell \(adpce.ad\)](#); [Richard Healey \(adpce.ad\)](#)  
**Subject:** Springdale Water Utilities December 2021 - November 2022 Pretreatment Program Annual Report (NPDES Permit AR0022063)  
**Date:** Friday, February 24, 2023 10:12:51 AM  
**Attachments:** [image003.png](#)

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Hello,

Springdale Water Utilities' December 1, 2021 – November 30, 2022 Pretreatment Program Annual Report (NPDES Permit AR0022063) was received, reviewed, and deemed complete and compliant according to the reporting requirements of 40 C.F.R. § 403.12(i).

Thank you for your timely submittal. If you have any questions or concerns on this matter, please feel free to contact me.

Best,

**Jamie Belcourt** | State Pretreatment Coordinator  
**Division of Environmental Quality | Office of Water Quality**  
**Policy and Administration**

5301 Northshore Drive | North Little Rock, AR 72118

t: 501.682.0858 | c: 501.287.8714 | e: [jamie.belcourt@adeq.state.ar.us](mailto:jamie.belcourt@adeq.state.ar.us)



**ARKANSAS**  
ENERGY & ENVIRONMENT



# Springdale Water Utilities

526 Oak Avenue P.O. Box 769 Springdale, Arkansas 72765-0769 479-751-5751

Enforcement Branch  
Arkansas Department of Environmental Quality  
P. O. Box 8913  
Little Rock, AR 72219-8913

**NPDES Permit No. AR0022063**  
**AFIN #72-00003**  
**Springdale, AR**  
**Annual Industrial Pretreatment Report**  
**December 1, 2021 - November 30, 2022**

January 30, 2023

Dear Sir or Madame:

Enclosed please find Springdale Water Utilities' Annual Industrial Pretreatment Report. Included is the following information:

1. An updated list of all significant industrial users, including
  - (a) Standard Industrial Classification (SIC) code and categorical determination.
  - (b) Control document status. Whether the user has an effective control document, and the date such document was last issued, reissued, or modified, (indicating which industrial users were added to the system (or newly identified) within the previous 12 months).
  - (c) A summary of all monitoring activities performed within the 12 months. The following information is reported:
    - i. Total number of inspections performed; and
    - ii. Total number of sampling visits made.
  - (d) Status of compliance with both effluent limitations and reporting requirements. Compliance status is defined as follows:
    - i. Compliant (C) – no violations during the previous 12-month period;
    - ii. Non-compliant (NC) – one or more violations during the previous 12 months but does not meet the criteria for significant noncompliant industrial users.
    - iii. Significant Noncompliance (SN) – in accordance with requirements described in d. above.

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NPDES Permit No. AR0022063

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Annual Industrial Pretreatment Report

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- (e) For significantly noncompliant industrial users, indicate the nature of the violations, the type and number of actions taken (notice of violation, administrative order, criminal or civil suit, fines or penalties collected, etc., and current compliance status). If ANY industrial user was on a schedule to attain compliance with effluent limits, indicate the date the schedule was issued and the date compliance was to be achieved.
2. A list of all significant industrial users whose authorization to discharge was terminated or revoked during the preceding 12-month period and the reason for termination.
3. A report on any interference, pass through, upset or POTW permit violations known or suspected to be caused by industrial contributors and actions taken by the permittee in response.
4. The result of all influent, effluent analyses performed pursuant to paragraph (C) of the permit;
5. A copy of the newspaper publication of the significantly noncompliant industrial users giving the name of the newspaper and the date published;
6. The information requested has been submitted in tabular form as per the example tables provided in the permit; and
7. The monthly average water quality based effluent concentration necessary to meet the state water quality standards as developed in the approved technically based local limits.
8. The Priority Pollutant Laboratory Reports for the 2021-2022 compliance year.

No industrial user was in significant noncompliance during the twelve months covered in this report.

No significant industrial users had authorization to discharge terminated or revoked during the preceding 12 month period due to non-compliance.

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NPDES Permit No. AR0022063  
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Priority Pollutant data is summarized on the Monitoring Results form. Please note that the monthly average water quality-based effluent concentration necessary to meet the state water quality standards reported on this form are provided by Mr. Gilliam. Springdale Water Utilities' Pretreatment Program modifications were approved in 2000. Local limits did not, and do not at this time, have to be developed to meet state water quality standards since current discharge levels of the analytes in question are below those required to meet these standards.

I believe that the information provided gives you an accurate overview of Springdale Water Utilities' Industrial Pretreatment activities last year. Please do not hesitate to call me at (479) 756-3657, or write to me at the address above if you have any questions concerning the report contents, or if you need additional information.

Sincerely,



Bradley Stewart  
Pretreatment Manager  
(Contact Person)



Heath A. Ward  
Executive Director  
(Authorized Representative)

cc: file  
Heath Ward (SWU)  
Jamie Belcourt (ADEQ)



Springdale Water Utilities

Industrial Pretreatment  
Annual Report

December 1, 2021 through November 30, 2022

## Significant Industrial Users

## **SPRINGDALE WATER UTILITIES**

### **LIST OF SIGNIFICANT INDUSTRIAL USERS December 1, 2021 through November 30, 2022**

#### **Categorical Industries**

Name of Industry: **Kawneer Co., Inc.**

SIC code: 3354/3446

Categorical: Aluminum Former

Control Document (permit): yes

Date current document issued: 070120

Date current document expires: 080125

Number of inspections: 1 (nonsampling)

Number of sampling visits: 2

Status of compliance: Compliant (C)

Current compliance status: Compliant (C)

Other: Kawneer Co. is currently in compliance with all permit limits.

**Noncategorical Non-Food Processors**

Name of Industry: **Cintas Corporation**

SIC code: 7218

Categorical: no (Industrial Laundry)

Control Document (permit): yes

Date current document issued: 040118

Date current document expires: 040123

Number of inspections: 1 (nonsampling)

Number of sampling visits: 26

Status of compliance: Compliant (C)

Current compliance status: Compliant (C)

Other: Cintas Corporation is currently in compliance with all permit limits

Name of Industry: **J. B. Hunt Transport, Inc.**

SIC code: 4210

Categorical: no (Truck & trailer maintenance and cleaning)

Control Document (permit): yes

Date current document issued: 120118

Date current document expires: 120123

Number of inspection: 1 (nonsampling)

Number of sampling visits: 2

Status of compliance: Compliant (C)

Current compliance status: Compliant (C)

Other: J.B. Hunt is currently in compliance with all permit limits.

Name of Industry: **Superior Linen Service**

SIC code: 7218

Categorical: no (Linen Service)

Control document: yes

Date current document issued: 040118

Date current document expires: 040123

Number of inspections: 1 (nonsampling)

Number of sampling visits: 27

Status of compliance: Non Compliant (NC)

Current compliance status: Compliant (C)

Other: Superior Linen Service was issued a Verbal NOV on 8/17/2022 for pH (4.4 SU).

Superior Linen is currently in compliance with all permit limits.

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**Noncategorical Food Processors**

Name of Industry: **Cargill, Inc.**

SIC code: 2015

Categorical: no (turkey processor and further processor)

Control Document (permit): yes

Date current document issued: 090119

Date current document expires: 090124

Number of inspections: 1 (nonsampling)

Number of sampling visits: 80

Status of compliance: Compliant (C)

Current compliance status: Compliant (C)

Other: Cargill, Inc. is currently in compliance with all permit limits.

Name of Industry: **George's, Inc.**

SIC code: 2016

Categorical: no (chicken processor)

Control Document (permit): yes

Date current document issued: 090119

Date current document expires: 090124

Number of inspections: 1 (nonsampling)

Number of sampling visits: 88

Status of compliance: NonCompliant (NC)

Current compliance status: Compliant (C)

Other: George's, Inc. was issued a Verbal Notice of Violation for exceeding its pH permit limit on 5/8/2019. Georges, Inc. has addressed the cause of the violation and is currently in compliance with all permit limits.

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**Noncategorical Food Processors, cont.**

Name of Industry: **Darling Ingredients, Inc**

SIC code: 2047

Categorical: no (chicken processed for pet food)

Control Document (permit): yes

Date current document issued: 110122

Date current document expires: 110127

Number of inspections: 1 (nonsampling)

Number of sampling visits: 34

Status of compliance: Compliant (C)

Current compliance status: Compliant (C)

Other: Darling Ingredients was formerly operating under the name Triple T Foods Inc. Effective April 1, 2019, the permit was transferred from Triple T Foods, Inc to Darling Ingredients, Inc.

No process changes were made therefore there was no permit requirement changes. Darling Ingredients, Inc is currently in compliance with all permit limits.

Name of Industry: **Tyson Research & Technology**

SIC code: 2015

Categorical: no (poultry research)

Control Document (permit): yes

Date current document issued: 050119

Date current document expires: 050124

Number of inspections: 1 (nonsampling)

Number of sampling visits: 12

Status of compliance: Compliant (C)

Current compliance status: Compliant (C)

Other: Tyson Research & Technology did not discharge process wastewater during the compliance year. SWU staff conducted one full site inspection during the compliance year and multiple flow inspections during each year. Tyson Research & Technology is in compliance with all its permit limits.

Name of Industry: **Tyson Foods, Inc. - Berry St.**

SIC code: 2016

Categorical: no (chicken processor and further processor)

Control Document (permit): yes

Date current document issued: 090119

Date current document expires: 090124

Number of inspections: 1 (nonsampling)

Number of sampling visits: 84

Status of compliance: Compliant (C)

Current compliance status: Compliant (C)

Other: Tyson Foods, Inc-Berry St is currently in compliance with all permit limits.



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**Noncategorical Food Processors, cont.**

Name of Industry: **Tyson Foods, Inc. – The Discovery Center**

SIC code: 2015

Categorical: no (poultry research)

Control Document (permit): yes

Date current document issued: 060121

Date current document expires: 060126

Number of inspections: 1 (nonsampling)

Number of sampling visits: 29

Status of compliance: Compliant (C)

Current compliance status: Compliant (C)

Other: n/a

Name of Industry: **Tyson Foods, Inc. - Randall Rd.**

SIC code: 2016

Categorical: no (chicken processor)

Control Document (permit): yes

Date current document issued: 090119

Date current document expires: 090124

Number of inspections: 1 (nonsampling)

Number of sampling visits: 88

Status of compliance: Compliant (C)

Current compliance status: Compliant (C)

Other: – n/a

**Nondischarging Industrial Users**

Name of Industry: **American Tubing, Inc.**

SIC code: 3498

Categorical: no – (Metalfinisher - nondischarging)

Control Document (permit): yes

Date current document issued: 040118

Date current document expires: 040123

Number of inspections: 1 (nonsampling)

Number of sampling visits: 0 (nondischarger)

Status of compliance: Compliant (C)

Current compliance status: Compliant (C)

Other: This is a permitted nondischarging Industrial User. It would be permitted as a categorical electroplater if it had a process discharge.

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**Nondischarging Industrial Users, cont.**

Name of Industry: **Northwest Metalfinishing**

SIC code: 3471

Categorical: Categorical: no – (Metalfinisher - nondischarging)

Control Document (permit): yes

Date current document issued: 040121

Date current document expires: 040126

Number of inspections: 1 (nonsampling)

Number of sampling visits: 0(nondischarging)

Status of compliance: Compliant (C)

Current compliance status: Compliant (C)

Other: This is a permitted nondischarging Industrial User. It would be permitted as a categorical electroplater if it had a process discharge.

Name of Industry: **P. M. Industries**

SIC code: 3471

Categorical: no (Electroplater - nondischarging)

Control Document (permit): yes

Date current document issued: 060120

Date current document expires: 060125

Number of inspections: 1 (nonsampling)

Number of sampling visits: 0 (nondischarging)

Status of compliance: Compliant (C)

Current compliance status: Compliant (C)

Other: This is a permitted nondischarging Industrial User. It would be permitted as a categorical electroplater if it had a process discharge.

List of Significant Violators  
Published in Largest Local Newspaper

(There were no Significant Violators published in the largest local newspaper for this pretreatment year.)

Monitoring Results  
for the  
Annual Pretreatment Report

[1]

MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT

REPORTING YEAR: DECEMBER 1, 2021 THROUGH NOVEMBER 30, 2022

TREATMENT PLANT: SPRINGDALE, AR NPDES PERMIT NO. AR0022063

AVERAGE POTW FLOW: 14.7 % IU FLOW: 46%

METALS, CYANIDE, and PHENOLICS (total) MAHC	MAHC (Total) ug/L	Influent Dates Sampled (ug/L) Once/quarter				WQ level/limit ug/L [2]	Effluent Dates Sampled (ug/L) Once/quarter				Laboratory Analysis		
		2/28/22-3/01/22	5/10-11/2022	8/7-8/2022	10/25/2022		3/3-4/22	5/12-13/2022	8/12-13/2022	10/28-29/2022	EPA MQL (ug/L)	EPA Method Used (1)	Detection Level Achieved (ug/L)
		1400-1400	1400-1400	1400-1400	1400-1400		0800-0800	0800-0800	0800-0800	0800-0800			
Antimony (Total)	n/a	<60	<60	<60	<60	n/a	<60	<60	<60	<60	EPA 200.8	60	
Cadmium (Total)	13#	<0.5	<0.5	<0.5	<0.5	7	<0.5	<0.5	<0.5	<0.5	EPA 200.8	0.5	
Copper (Total)	100+	18	20	25	27	42	3.6	3.7	4.4	3.5	EPA 200.8	0.5	
Lead (Total)	120#	0.56	0.61	0.54	0.84	19	<0.5	<0.5	<0.5	<0.5	EPA 200.8	0.5	
Mercury (Total)	0.036*	<0.0050	0.0180	0.0088	<0.0050	12345	<0.0050	<0.0050	<0.0050	<0.0050	EPA 1631E	0.005	
Nickel (Total)	70#	4.6	5.3	6.4	5.7	440	2.5	2.8	2.9	2.9	EPA 200.8	0.5	
Selenium (Total)	12*	<5	<5	<5	<5	6	<5	<5	<5	<5	EPA 200.8	5	
Silver (Total)	250+	<0.5	0.74	<0.5	<0.5	20	<0.5	<0.5	<0.5	<0.5	EPA 200.8	0.5	
Zinc (Total)	300+	83	88	120	120	380	53	28	29	<20	EPA 200.8	20	
Chromium (Total)	250+	<10	<10	<10	<10	1300	<10	<10	<10	<10	EPA 200.8	10	
Cyanide (Total)	20*	<10	<10	<10	<10	6	<10	<10	<10	<10	SM 4500	10	
Arsenic (Total)	60#	27	28	38	48	350	3	2.2	1.8	4.5	EPA 200.8	0.5	
Molybdenum (Total)	n/a	<10	<10	<10	<10	n/a	<10	<10	<10	<10	EPA 200.8	10	
Phenols (Total)	n/a	120	150	360	140	n/a	<5	<5	<5	31	EPA 420.1	5	
Beryllium (Total)	n/a	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	EPA 200.8	<0.5	
Thallium (Total)	n/a	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	EPA 200.8	<0.5	
Flow (MGD)	n/a	16.7	17.9	12.3	20.9	n/a	15.9	16.5	13.0	15.1	Totalizer	n/a	
Chloroform							6.0				EPA 624.1	4.0	

\*Water Quality Driven + Inhibition Driven # Sludge Criteria Driven

[1] It is advised that the In/eff samples be collected considering flow detention time through each plant. Analytical MQLs must be met for the effluent and should be met for the influent so that the data can also be used for Local Limits assessment and NPDES application purposes.

[2] Values calculated during the evaluation of MAHLs/TBLs based on Reg. #2 WQ Standards, EPA Guidance, and the CPP Implementation procedures.

[3] Record the name of any pollutant [40 CFR 122, Appendix D, Table II and/or Table V] detected and the quantity in which they were detected.

Plant expansion came on-line in November of 2005. Re-evaluation of MAHLs will be done after anticipated reissuance of NPDES permit which expired in 2009. (Improved performance makes current MAHLs more restrictive.)

WQ - Water Quality Levels "not to exceed" or NPDES Limits



## Pretreatment Performance Summary

**PRETREATMENT PERFORMANCE SUMMARY (PPS)**

NOTE: ALL QUESTIONS REFER TO THE INDUSTRIAL PRETREATMENT PROGRAM AS APPROVED BY THE EPA. THE PERMITTEE SHOULD NOT ANSWER THE QUESTIONS BASED ON CHANGES MADE TO THE APPROVED PROGRAM WITHOUT EPA AUTHORIZATION.

I. General Information

Control Authority Name Springdale Water Utilities

Address P. O. Box 769/2910 Silent Grove Rd.

City Springdale State/Zip AR 72765/72762

Contact Person Bradley Stewart Pretreatment Manager  
(Position)

Contact Telephone (479)756-3657

NPDES Permit No. AR0022063

Reporting Period December 1, 2021 November 30, 2022  
(Beginning month and year) (Ending month and year)

Total Number of Categorical IUs 4 (3-zero dischargers)

Total Number of Significant Noncategorical IUs 13

II. Significant Industrial User Compliance

SIGNIFICANT INDUSTRIAL USERS

	Categorical	Noncategorical
1) No. of SIUs Submitting BMRs/Total No. Required .....	<u>0/0</u>	<u>n/a</u>
2) No. of SIUs Submitting 90-Day Compliance Reports/No. Required .....	<u>0/0</u>	<u>n/a</u>
3) No. of SIUs Submitting Semiannual Reports/Total No. Required .....	<u>1/1</u>	<u>13/13</u>
4) No. of SIUs Meeting Compliance Schedule/ Total No. Required to Meet Schedule.....	<u>0/0</u>	<u>0/0</u>
5) No. of SIUs in Significant Noncompliance /Total No. of SIUs .....	<u>0/2</u>	<u>0/13</u>
6) Rate of Significant Noncompliance for all SIUs (categorical and noncategorical)		<u>0.00%</u>

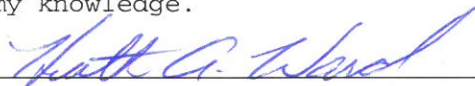
	Categorical	Noncategorical
III. Compliance Monitoring Program		
1) No. of Control Documents Issued/Total		
No. Required .....	<u>1/1</u>	<u>16/13</u>
2) No. of Nonsampling Inspections Conducted	<u>1/1</u>	<u>16/13</u>
3) No. of Sampling Visits Conducted .....	<u>2</u>	<u>639</u>
4) No. of Facilities Inspected (nonsampling)	<u>1</u>	<u>17</u>
5) No. of Facilities Sampled .....	<u>1</u>	<u>13</u>

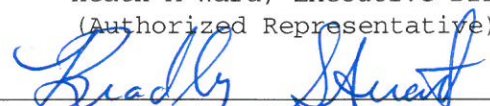
IV. Enforcement Actions

1) No. of Compliance Schedules Issued/No. of Schedules Required .....	<u>0</u>	<u>0</u>
2) No. of Notices of Violations Issued to SIUs .....	<u>0</u>	<u>5</u>
3) No. of Administrative Orders Issued to SIUs .....	<u>0</u>	<u>0</u>
4) No. of Civil Suits Filed .....	<u>0</u>	<u>0</u>
5) No. of Criminal Suits Filed .....	<u>0</u>	<u>0</u>
6) No. of Significant Violators (attach newspaper publication) .....	<u>0</u>	<u>0</u>
7) Amount of Penalties Collected (total dollars/IUs assessed) .....	<u>0</u>	<u>0</u>
8) Other Actions (sewer bans, etc.) .....	<u>0</u>	<u>0</u>

The following certification must be signed in order for this form to be considered complete:

I certify that the information contained herein is complete and accurate to the best of my knowledge.

  
 \_\_\_\_\_ January 30, 2023  
 Heath A Ward, Executive Director Date  
 (Authorized Representative)

  
 \_\_\_\_\_ January 30, 2023  
 Bradley Stewart, Pretreatment Manager Date  
 (Contact Person)

Pretreatment Program Status Report  
Updated Significant Industrial Users List

Significant Violations – Enforcement Actions Taken

PRETREATMENT PROGRAM STATUS REPORT  
 UPDATED SIGNIFICANT INDUSTRIAL USERS LIST - December 1, 2021 Through November 30, 2022  
 PERMIT NUMBER: AR0022063

INDUSTRIAL USER	SIC CODE	CATEGORICAL DETERMINATION	CONTROL DOCUMENT		NEW USER	TIMES INSPECTED	TIMES SAMPLED	COMPLIANCE STATUS				
			Y/N	LAST ACTION				BMR	REPORTS			EFFLUENT LIMITS
									90-DAY COMPLIANCE	SEMI ANNUAL	SELF MONITORING	
Kawneer Co., Inc.	3354	Aluminum Former	Yes	070120	No	1	2	C	C	C	C	C
Cintas Corp.	7218	Noncategorical	Yes	040118	No	1	26	C	C	C	C	C
J. B. Hunt Transp.	4210	Noncategorical	Yes	120118	No	1	2	C	C	C	C	C
Superior Linen Sv.	7218	Noncategorical	Yes	040118	No	1	27	C	C	C	C	NC
Cargill, Inc.	2015	Noncategorical	Yes	090119	No	1	80	C	C	C	C	C
George's, Inc.	2016	Noncategorical	Yes	090119	No	1	82	C	C	C	C	C
Geo. Furth. Proc.	2015	Noncategorical	Yes	110121	No	1	83	C	C	C	C	NC
Pappas Foods	2033	Noncategorical	Yes	090118	No	1	61	C	C	C	C	NC
Sonstegard Foods	2017	Noncategorical	Yes	110122	No	1	27	C	C	C	C	C
Darling Foods Inc.	2047	Noncategorical	Yes	040119	No	1	34	C	C	C	C	C
Tys.Res. & Tech.	2015	Noncategorical	Yes	050119	No	1	no disch.	C	C	C	C	no disch.
Tyson - Berry St.	2016	Noncategorical	Yes	090119	No	1	84	C	C	C	C	C
Tys. - Randall Rd.	2016	Noncategorical	Yes	090119	No	1	88	C	C	C	C	C
Tys. -Discovery Ctr.	2015	Noncategorical	Yes	060121	No	1	29	C	C	C	C	C
American Tubing	3498	Metalfin. (no disch.)	Yes	040118	No	1	no disch.	C	C	C	C	no disch.
Northwest Metalf.	3471	Elec.(no disch.)	Yes	040121	No	1	no disch.	C	C	C	C	no disch.
P. M. Industries	3471	Elec.(no disch.)	Yes	060120	No	1	no disch.	C	C	C	C	no disch.







BP Int.

March 21, 2022  
Control No. 263589  
Page 1 of 9

Springdale Water Utilities  
ATTN: Mr. Brad Stewart  
Post Office Box 769  
Springdale, AR 72762

This report contains the analytical results and supporting information for samples received on March 8, 2022. Attached please find a copy of the Chain of Custody and/or other documents received. Note that any remaining sample will be discarded two weeks from the original report date unless other arrangements are made.

This report is intended for the sole use of the client listed above. Assessment of the data requires access to the entire document.

This report has been reviewed by the Chief Operating Officer or a qualified designee.

  
\_\_\_\_\_  
John Overbey  
Chief Operating Officer

This document has been distributed to the following:

PDF cc: Springdale Water Utilities  
ATTN: Mr. Brad Stewart  
bstewart@springdalewater.com



Springdale Water Utilities  
Post Office Box 769  
Springdale, AR 72762

**SAMPLE INFORMATION**

**Project Description:**

Two (2) water and one (1) sludge sample(s) received on March 8, 2022  
Table III

**Receipt Details:**

A Chain of Custody was provided. The samples were delivered in one (1) ice chest.  
Ice chest #1 was delivered with shipping documentation.

Each sample container was checked for proper labeling, including date and time sampled. Sample containers were reviewed for proper type, adequate volume, integrity, temperature, preservation, and holding times. Any exceptions are noted below:

**Sample Identification:**

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Sampled Date/Time</u>	<u>Notes</u>
263589-1	Influent	01-Mar-2022 0800	
263589-2	Influent	01-Mar-2022 1400	
263589-3	Belt Press Influent	03-Mar-2022 1005	

**Qualifiers:**

X Spiking level is invalid due to the high concentration of analyte in the spiked sample

**Case Narrative:**

Analysis of soils/sludges are reported on a dry-weight basis unless otherwise specified.

**References:**

- "Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).
- "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.
- "Standard Methods for the Examination of Water and Wastewaters", (SM).
- "American Society for Testing and Materials" (ASTM).
- "Association of Analytical Chemists" (AOAC).

Springdale Water Utilities  
Post Office Box 769  
Springdale, AR 72762

**ANALYTICAL RESULTS**

**AIC No. 263589-1**

**Sample Identification: Influent 01-Mar-2022 0800**

<b>Analyte</b>		<b>Result</b>	<b>RL</b>	<b>Units</b>	<b>Qualifier</b>
<b>Total Recoverable Phenolics</b>		<b>0.12</b>	<b>0.005</b>	<b>mg/l</b>	
EPA 420.1	Prep: 14-Mar-2022 0940 by 330	Analyzed: 14-Mar-2022 1300 by 330		Batch: W78905	
<b>Total Cyanide</b>		<b>&lt; 0.01</b>	<b>0.01</b>	<b>mg/l</b>	
SM 4600-CN C,E 2011	Prep: 09-Mar-2022 1436 by 347	Analyzed: 11-Mar-2022 1408 by 347		Batch: W78858	

**AIC No. 263589-2**

**Sample Identification: Influent 01-Mar-2022 1400**

<b>Analyte</b>		<b>Result</b>	<b>RL</b>	<b>Units</b>	<b>Qualifier</b>
<b>Antimony</b>		<b>&lt; 80</b>	<b>80</b>	<b>ug/l</b>	
EPA 200.8	Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1155 by 313		Batch: S52313	
<b>Arsenic</b>		<b>27</b>	<b>0.5</b>	<b>ug/l</b>	
EPA 200.8	Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1155 by 313		Batch: S52313	
<b>Beryllium</b>		<b>&lt; 0.5</b>	<b>0.5</b>	<b>ug/l</b>	
EPA 200.8	Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1155 by 313		Batch: S52313	
<b>Cadmium</b>		<b>&lt; 0.5</b>	<b>0.5</b>	<b>ug/l</b>	
EPA 200.8	Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1155 by 313		Batch: S52313	
<b>Chromium</b>		<b>&lt; 10</b>	<b>10</b>	<b>ug/l</b>	
EPA 200.8	Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1155 by 313		Batch: S52313	
<b>Copper</b>		<b>18</b>	<b>0.5</b>	<b>ug/l</b>	
EPA 200.8	Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1155 by 313		Batch: S52313	
<b>Lead</b>		<b>0.56</b>	<b>0.5</b>	<b>ug/l</b>	
EPA 200.8	Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1155 by 313		Batch: S52313	
<b>Molybdenum</b>		<b>&lt; 10</b>	<b>10</b>	<b>ug/l</b>	
EPA 200.8	Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1155 by 313		Batch: S52313	
<b>Nickel</b>		<b>4.6</b>	<b>0.5</b>	<b>ug/l</b>	
EPA 200.8	Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1155 by 313		Batch: S52313	
<b>Selenium</b>		<b>&lt; 5</b>	<b>5</b>	<b>ug/l</b>	
EPA 200.8	Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1155 by 313		Batch: S52313	
<b>Silver</b>		<b>&lt; 0.5</b>	<b>0.5</b>	<b>ug/l</b>	
EPA 200.8	Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1155 by 313		Batch: S52313	
<b>Thallium</b>		<b>&lt; 0.5</b>	<b>0.5</b>	<b>ug/l</b>	
EPA 200.8	Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1155 by 313		Batch: S52313	
<b>Zinc</b>		<b>83</b>	<b>20</b>	<b>ug/l</b>	
EPA 200.8	Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1155 by 313		Batch: S52313	

**AIC No. 263589-3**

**Sample Identification: Belt Press Influent 03-Mar-2022 1005**

<b>Analyte</b>		<b>Result</b>	<b>RL</b>	<b>Units</b>	<b>Qualifier</b>
<b>Total Cyanide</b>		<b>&lt; 2</b>	<b>2</b>	<b>mg/Kg</b>	
EPA 9010C, 9014	Prep: 14-Mar-2022 1424 by 347	Analyzed: 14-Mar-2022 1714 by 347		Batch: W78913	



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**ANALYTICAL RESULTS**

**AIC No. 263589-3 (Continued)**

**Sample Identification: Belt Press Influent 03-Mar-2022 1005**

<b>Analyte</b>		<b>Result</b>	<b>RL</b>	<b>Units</b>	<b>Qualifier</b>
<b>Total Recoverable Phenolics</b>		<b>110</b>	<b>30</b>	<b>mg/Kg</b>	
EPA 8065	Prep: 15-Mar-2022 1246 by 330	Analyzed: 15-Mar-2022 1630 by 330		Batch: W78923	
<b>Total Solids</b>		<b>8.3</b>	<b>0.01</b>	<b>wt %</b>	
SM 2540 G 2011	Prep: 17-Mar-2022 1548 by 100	Analyzed: 18-Mar-2022 1442 by 100		Batch: W78963	
<b>Antimony</b>		<b>&lt; 6</b>	<b>6</b>	<b>mg/Kg</b>	
EPA 3051A, 6010D	Prep: 11-Mar-2022 1042 by 328	Analyzed: 14-Mar-2022 2035 by 328		Batch: S52315	
<b>Arsenic</b>		<b>&lt; 5</b>	<b>5</b>	<b>mg/Kg</b>	
EPA 3051A, 6010D	Prep: 11-Mar-2022 1042 by 328	Analyzed: 14-Mar-2022 2035 by 328		Batch: S52315	
<b>Beryllium</b>		<b>0.057</b>	<b>0.05</b>	<b>mg/Kg</b>	
EPA 3051A, 6010D	Prep: 11-Mar-2022 1042 by 328	Analyzed: 14-Mar-2022 2035 by 328		Batch: S52315	
<b>Cadmium</b>		<b>&lt; 0.4</b>	<b>0.4</b>	<b>mg/Kg</b>	
EPA 3051A, 6010D	Prep: 11-Mar-2022 1042 by 328	Analyzed: 14-Mar-2022 2035 by 328		Batch: S52315	
<b>Chromium</b>		<b>9.0</b>	<b>1</b>	<b>mg/Kg</b>	
EPA 3051A, 6010D	Prep: 11-Mar-2022 1042 by 328	Analyzed: 14-Mar-2022 2035 by 328		Batch: S52315	
<b>Copper</b>		<b>75</b>	<b>1</b>	<b>mg/Kg</b>	
EPA 3051A, 6010D	Prep: 11-Mar-2022 1042 by 328	Analyzed: 14-Mar-2022 2035 by 328		Batch: S52315	
<b>Lead</b>		<b>5.0</b>	<b>4</b>	<b>mg/Kg</b>	
EPA 3051A, 6010D	Prep: 11-Mar-2022 1042 by 328	Analyzed: 14-Mar-2022 2035 by 328		Batch: S52315	
<b>Molybdenum</b>		<b>2.7</b>	<b>1</b>	<b>mg/Kg</b>	
EPA 3051A, 6010D	Prep: 11-Mar-2022 1042 by 328	Analyzed: 14-Mar-2022 2035 by 328		Batch: S52315	
<b>Nickel</b>		<b>20</b>	<b>1</b>	<b>mg/Kg</b>	
EPA 3051A, 6010D	Prep: 11-Mar-2022 1042 by 328	Analyzed: 15-Mar-2022 1210 by 328		Batch: S52315	
<b>Selenium</b>		<b>&lt; 7</b>	<b>7</b>	<b>mg/Kg</b>	
EPA 3051A, 6010D	Prep: 11-Mar-2022 1042 by 328	Analyzed: 14-Mar-2022 2035 by 328		Batch: S52315	
<b>Silver</b>		<b>&lt; 0.7</b>	<b>0.7</b>	<b>mg/Kg</b>	
EPA 3051A, 6010D	Prep: 11-Mar-2022 1042 by 328	Analyzed: 14-Mar-2022 2035 by 328		Batch: S52315	
<b>Thallium</b>		<b>&lt; 4</b>	<b>4</b>	<b>mg/Kg</b>	
EPA 3051A, 6010D	Prep: 11-Mar-2022 1042 by 328	Analyzed: 14-Mar-2022 2035 by 328		Batch: S52315	
<b>Zinc</b>		<b>190</b>	<b>10</b>	<b>mg/Kg</b>	
EPA 3051A, 6010D	Prep: 11-Mar-2022 1042 by 328	Analyzed: 15-Mar-2022 1207 by 328		Batch: S52315	
<b>Mercury</b>		<b>0.14</b>	<b>0.1</b>	<b>mg/Kg</b>	
EPA 7471B	Prep: 10-Mar-2022 1228 by 313	Analyzed: 10-Mar-2022 1448 by 313		Batch: S52308	



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**DUPLICATE RESULTS**

<u>Analyte</u>	<u>AIC No.</u>	<u>Result</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Preparation Date</u>	<u>Analysis Date</u>	<u>Dil</u>	<u>Qual</u>
Total Cyanide	263777-1	5.4 mg/Kg			14Mar22 1424 by 347	14Mar22 1711 by 347		
	Batch: W78913 Duplicate	5.5 mg/Kg	1.91	20.4	14Mar22 1425 by 347	14Mar22 1712 by 347		
Total Solids	263864-1	100 wt %			17Mar22 1548 by 100	18Mar22 1442 by 100		
	Batch: W78963 Duplicate	100 wt %	0.0097	10.0	17Mar22 1546 by 100	18Mar22 1442 by 100		



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**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Recoverable Phenolics	0.1 mg/l	112	82.8-135			W78905	14Mar22 0941 by 330	14Mar22 1300 by 330		
Total Cyanide	0.1 mg/l	105	73.1-110			W78858	09Mar22 1436 by 347	11Mar22 1341 by 347		
Antimony	0.02 mg/l	113	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		
Arsenic	0.02 mg/l	91.7	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		
Beryllium	0.02 mg/l	92.6	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		
Cadmium	0.02 mg/l	96.2	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		
Chromium	0.02 mg/l	96.3	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		
Copper	0.02 mg/l	101	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		
Lead	0.02 mg/l	102	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		
Molybdenum	0.02 mg/l	98.0	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		
Nickel	0.02 mg/l	103	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		
Selenium	0.02 mg/l	94.2	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		
Silver	0.02 mg/l	100	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		
Thallium	0.02 mg/l	108	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		
Zinc	0.02 mg/l	95.4	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		
Total Cyanide	0.500 mg/Kg	91.7	70.1-119			W78813	14Mar22 1426 by 347	14Mar22 1707 by 347		
	0.500 mg/Kg	93.8	70.1-119	2.26	13.7	W78813	14Mar22 1426 by 347	14Mar22 1708 by 347		
Total Recoverable Phenolics	1000 mg/Kg	102	73.2-133			W78923	15Mar22 1245 by 330	15Mar22 1630 by 330		
Antimony	200 mg/Kg	97.6	85.0-115			S52315	11Mar22 1041 by 328	14Mar22 1656 by 328		
Arsenic	200 mg/Kg	97.2	85.0-115			S52315	11Mar22 1041 by 328	14Mar22 1655 by 328		
Beryllium	2.00 mg/Kg	101	85.0-115			S52315	11Mar22 1041 by 328	14Mar22 1655 by 328		
Cadmium	20.0 mg/Kg	97.7	85.0-115			S52315	11Mar22 1041 by 328	14Mar22 1656 by 328		
Chromium	20.0 mg/Kg	100	85.0-115			S52315	11Mar22 1041 by 328	14Mar22 1655 by 328		
Copper	20.0 mg/Kg	98.8	85.0-115			S52315	11Mar22 1041 by 328	14Mar22 1655 by 328		
Lead	200 mg/Kg	97.2	85.0-115			S52315	11Mar22 1041 by 328	14Mar22 1655 by 328		
Molybdenum	20.0 mg/Kg	102	85.0-115			S52315	11Mar22 1041 by 328	14Mar22 1656 by 328		
Nickel	20.0 mg/Kg	98.3	85.0-115			S52315	11Mar22 1041 by 328	14Mar22 1656 by 328		
Selenium	200 mg/Kg	101	85.0-115			S52315	11Mar22 1041 by 328	14Mar22 1655 by 328		
Silver	4.00 mg/Kg	108	85.0-115			S52315	11Mar22 1041 by 328	14Mar22 1655 by 328		
Thallium	200 mg/Kg	104	85.0-115			S52315	11Mar22 1041 by 328	14Mar22 1655 by 328		
Zinc	20.0 mg/Kg	98.2	85.0-115			S52315	11Mar22 1041 by 328	14Mar22 1655 by 328		
Mercury	1.25 mg/Kg	114	85.0-115			S52308	10Mar22 1228 by 313	10Mar22 1421 by 313		





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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Recoverable Phenolics	263574-1	0.1 mg/l	105	56.5-136	W78905	14Mar22 0941 by 330	14Mar22 1300 by 330		
	263574-1	0.1 mg/l	101	56.5-136	W78905	14Mar22 0941 by 330	14Mar22 1300 by 330		
	Relative Percent Difference:		3.70	10.0	W78905				
Total Cyanide	263552-9	0.1 mg/l	108	70.1-109	W78858	09Mar22 1436 by 347	11Mar22 1344 by 347		
	263552-9	0.1 mg/l	98.3	70.1-109	W78858	09Mar22 1436 by 347	11Mar22 1348 by 347		
	Relative Percent Difference:		11.4	12.9	W78858				
Antimony	263646-1	0.02 mg/l	118	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	120	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		1.78	20.0	S52313				
Arsenic	263646-1	0.02 mg/l	96.6	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	98.0	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		1.95	20.0	S52313				
Beryllium	263646-1	0.02 mg/l	86.4	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	89.3	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		3.39	20.0	S52313				
Cadmium	263646-1	0.02 mg/l	96.1	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	97.1	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		0.973	20.0	S52313				
Chromium	263646-1	0.02 mg/l	92.6	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	92.5	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		0.0783	20.0	S52313				
Copper	263646-1	0.02 mg/l	88.5	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	90.7	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		1.81	20.0	S52313				
Lead	263646-1	0.02 mg/l	98.8	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	99.1	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		0.312	20.0	S52313				
Molybdenum	263646-1	0.02 mg/l	104	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	105	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		0.640	20.0	S52313				
Nickel	263646-1	0.02 mg/l	93.1	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	93.5	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		0.430	20.0	S52313				
Selenium	263646-1	0.02 mg/l	99.1	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	100	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		1.14	20.0	S52313				
Silver	263646-1	0.02 mg/l	94.2	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	95.5	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		1.40	20.0	S52313				
Thallium	263646-1	0.02 mg/l	101	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	100	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		0.836	20.0	S52313				
Zinc	263646-1	0.02 mg/l	95.9	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	96.8	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		0.640	20.0	S52313				
Total Recoverable Phenolics	263459-4	964 mg/Kg	102	3.70-168	W78923	15Mar22 1245 by 330	15Mar22 1630 by 330		
	263459-4	965 mg/Kg	96.7	3.70-168	W78923	15Mar22 1245 by 330	15Mar22 1630 by 330		
	Relative Percent Difference:		3.09	10.5	W78923				
Antimony	263527-1	389 mg/Kg	78.5	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1657 by 328		
	263527-1	390 mg/Kg	83.4	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1701 by 328		
	Relative Percent Difference:		5.83	20.0	S52315				



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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	DII	Qual
Arsenic	263527-1	389 mg/Kg	104	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1657 by 328		
	263527-1	390 mg/Kg	92.8	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1701 by 328		
	Relative Percent Difference:		10.8	20.0	S52315				
Beryllium	263527-1	3.89 mg/Kg	111	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1657 by 328		
	263527-1	3.90 mg/Kg	99.1	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1701 by 328		
	Relative Percent Difference:		11.0	20.0	S52315				
Cadmium	263527-1	38.9 mg/Kg	99.8	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1657 by 328		
	263527-1	39.0 mg/Kg	91.7	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1701 by 328		
	Relative Percent Difference:		8.20	20.0	S52315				
Chromium	263527-1	38.9 mg/Kg	114	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1657 by 328		
	263527-1	39.0 mg/Kg	97.8	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1701 by 328		
	Relative Percent Difference:		8.50	20.0	S52315				
Copper	263527-1	38.9 mg/Kg	-	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1711 by 328		X
	263527-1	39.0 mg/Kg	-	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1714 by 328		X
	Relative Percent Difference:		0.832	20.0	S52315				
Lead	263527-1	389 mg/Kg	97.8	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1657 by 328		
	263527-1	390 mg/Kg	89.8	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1701 by 328		
	Relative Percent Difference:		8.25	20.0	S52315				
Molybdenum	263527-1	38.9 mg/Kg	107	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1657 by 328		
	263527-1	39.0 mg/Kg	101	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1701 by 328		
	Relative Percent Difference:		4.85	20.0	S52315				
Nickel	263527-1	38.9 mg/Kg	104	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1657 by 328		
	263527-1	39.0 mg/Kg	101	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1701 by 328		
	Relative Percent Difference:		1.98	20.0	S52315				
Selenium	263527-1	389 mg/Kg	104	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1657 by 328		
	263527-1	390 mg/Kg	103	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1701 by 328		
	Relative Percent Difference:		1.57	20.0	S52315				
Silver	263527-1	7.79 mg/Kg	108	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1657 by 328		
	263527-1	7.80 mg/Kg	97.4	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1701 by 328		
	Relative Percent Difference:		10.2	20.0	S52315				
Thallium	263527-1	389 mg/Kg	100	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1657 by 328		
	263527-1	390 mg/Kg	93.9	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1701 by 328		
	Relative Percent Difference:		6.36	20.0	S52315				
Zinc	263527-1	38.9 mg/Kg	-	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1711 by 328		X
	263527-1	38.0 mg/Kg	-	75.0-125	S52315	11Mar22 1041 by 328	14Mar22 1714 by 328		X
	Relative Percent Difference:		0.458	20.0	S52315				
Mercury	263527-1	2.45 mg/Kg	85.1	75.0-125	S52308	10Mar22 1228 by 313	10Mar22 1423 by 313		
	263527-1	2.34 mg/Kg	83.8	75.0-125	S52308	10Mar22 1228 by 313	10Mar22 1425 by 313		
	Relative Percent Difference:		0.680	20.0	S52308				



Springdale Water Utilities  
Post Office Box 769  
Springdale, AR 72762

**LABORATORY BLANK RESULTS**

Analyte	Result	RL	LOQ	QC Sample	Preparation Date	Analysis Date	Qual
Total Recoverable Phenolics	< 0.0047 mg/l	0.0047	0.005	W78905-1	14Mar22 0841 by 330	14Mar22 1300 by 330	
Total Cyanide	< 0.0085 mg/l	0.0085	0.01	W78858-1	09Mar22 1436 by 347	11Mar22 1339 by 347	
Antimony	< 0.02 mg/l	0.02	0.03	S52313-1	11Mar22 0918 by 313	11Mar22 1126 by 313	
Arsenic	< 0.0004 mg/l	0.0004	0.0005	S52313-1	11Mar22 0918 by 313	11Mar22 1126 by 313	
Beryllium	< 0.0003 mg/l	0.0003	0.0005	S52313-1	11Mar22 0918 by 313	11Mar22 1126 by 313	
Cadmium	< 0.0003 mg/l	0.0003	0.0005	S52313-1	11Mar22 0918 by 313	11Mar22 1126 by 313	
Chromium	< 0.005 mg/l	0.005	0.01	S52313-1	11Mar22 0918 by 313	11Mar22 1126 by 313	
Copper	< 0.0005 mg/l	0.0005	0.0005	S52313-1	11Mar22 0918 by 313	11Mar22 1126 by 313	
Lead	< 0.0003 mg/l	0.0003	0.0005	S52313-1	11Mar22 0918 by 313	11Mar22 1126 by 313	
Molybdenum	< 0.005 mg/l	0.005	0.01	S52313-1	11Mar22 0918 by 313	11Mar22 1126 by 313	
Nickel	< 0.0003 mg/l	0.0003	0.0005	S52313-1	11Mar22 0918 by 313	11Mar22 1126 by 313	
Selenium	< 0.001 mg/l	0.001	0.002	S52313-1	11Mar22 0918 by 313	11Mar22 1126 by 313	
Silver	< 0.0003 mg/l	0.0003	0.0005	S52313-1	11Mar22 0918 by 313	11Mar22 1126 by 313	
Thallium	< 0.0003 mg/l	0.0003	0.0005	S52313-1	11Mar22 0918 by 313	11Mar22 1126 by 313	
Zinc	< 0.005 mg/l	0.005	0.01	S52313-1	11Mar22 0918 by 313	11Mar22 1126 by 313	
Total Cyanide	< 0.10 mg/Kg	0.10	0.1	W78913-1	14Mar22 1426 by 347	14Mar22 1706 by 347	
Total Recoverable Phenolics	< 1.3 mg/Kg	1.3	2.5	W78923-1	16Mar22 1246 by 330	16Mar22 1630 by 330	
Antimony	< 3 mg/Kg	3	6	S52315-1	11Mar22 1041 by 328	14Mar22 1652 by 328	
Arsenic	< 3 mg/Kg	3	5	S52316-1	11Mar22 1041 by 328	14Mar22 1652 by 328	
Beryllium	< 0.03 mg/Kg	0.03	0.05	S52315-1	11Mar22 1041 by 328	14Mar22 1652 by 328	
Cadmium	< 0.2 mg/Kg	0.2	0.4	S52316-1	11Mar22 1041 by 328	14Mar22 1652 by 328	
Chromium	< 0.5 mg/Kg	0.5	1	S52315-1	11Mar22 1041 by 328	14Mar22 1652 by 328	
Copper	< 0.5 mg/Kg	0.5	1	S52316-1	11Mar22 1041 by 328	14Mar22 1652 by 328	
Lead	< 2 mg/Kg	2	4	S52315-1	11Mar22 1041 by 328	14Mar22 1652 by 328	
Molybdenum	< 0.5 mg/Kg	0.5	1	S52316-1	11Mar22 1041 by 328	14Mar22 1652 by 328	
Nickel	< 0.6 mg/Kg	0.6	1	S52315-1	11Mar22 1041 by 328	14Mar22 1652 by 328	
Selenium	< 4 mg/Kg	4	7	S52316-1	11Mar22 1041 by 328	14Mar22 1652 by 328	
Silver	< 0.4 mg/Kg	0.4	0.7	S52315-1	11Mar22 1041 by 328	14Mar22 1652 by 328	
Thallium	< 2 mg/Kg	2	4	S52316-1	11Mar22 1041 by 328	14Mar22 1652 by 328	
Zinc	< 0.5 mg/Kg	0.5	1	S52315-1	11Mar22 1041 by 328	14Mar22 1652 by 328	
Mercury	< 0.05 mg/Kg	0.05	0.1	S52308-1	10Mar22 1228 by 313	10Mar22 1416 by 313	



CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

PAGE / OF: \_\_\_\_\_

Client: SPRINGDALE WATER UTILITIES  
 Project: \_\_\_\_\_  
 Reference: TABLE III  
 Project: \_\_\_\_\_  
 Manager: BRAD STEWART  
 Sampled By: \_\_\_\_\_

PO No. \_\_\_\_\_ NO OF BOTTLES \_\_\_\_\_

AIC No.	Sample Identification	Date/Time Collected	MATRIX			NO OF BOTTLES	ANALYSES REQUESTED						Carrier: <u>FX</u>	Received on Ice? <u>Temp. °C</u> No <u>29</u>	Remarks	
			W	A	S		O	I	L	PHENOLS + H <sub>2</sub> O	PHENOLS + H <sub>2</sub> O	PHENOLS + H <sub>2</sub> O				PHENOLS + H <sub>2</sub> O
1	INFLUENT	11/03/2000 08:00	X													
2	INFLUENT	11/03/2000 14:00	X													
1	INFLUENT	11/03/2000 08:00	X													
3	BELT PRESS INFLUENT	11/03/2000 08:00	X													

Container Type \_\_\_\_\_ Preservative \_\_\_\_\_  
 G = Glass NO = none S = Sulfuric acid pH2 V = VOA vials  
 H = HCl to pH2 Y = Sodium Thiosulfate  
 B = NaOH to pH12 Z = Zinc acetate  
 A = (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub> NH<sub>4</sub>OH

Field pH calibration on \_\_\_\_\_ Buffer: \_\_\_\_\_

Relinquished By: \_\_\_\_\_ Date/Time: 03/04/02 - 1430  
 Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date/Time: 3-8-22

Comments: Fedex 2705 7233 3038

Turnaround Time Requested: (Please circle) NORMAL or EXPEDITED IN \_\_\_\_\_ DAYS  
 Expedited results requested by: N/A  
 Who should AIC contact with questions: BRAD STEWART  
 Contact Phone: 479-756-2121  
 Report Attention to: BRAD STEWART  
P.O. Box 714  
SPRINGDALE, AR 72762  
 Email Address: bstewart@springdalewater.com

1st QTR  
Effluent

March 15, 2022  
Control No. 263587  
Page 1 of 6

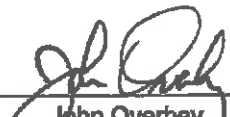


Springdale Water Utilities  
ATTN: Mr. Brad Stewart  
Post Office Box 769  
Springdale, AR 72762

This report contains the analytical results and supporting information for samples received on March 8, 2022. Attached please find a copy of the Chain of Custody and/or other documents received. Note that any remaining sample will be discarded two weeks from the original report date unless other arrangements are made.

This report is intended for the sole use of the client listed above. Assessment of the data requires access to the entire document.

This report has been reviewed by the Chief Operating Officer or a qualified designee.

  
\_\_\_\_\_ by LP  
John Overbey  
Chief Operating Officer

This document has been distributed to the following:

PDF cc: Springdale Water Utilities  
ATTN: Mr. Brad Stewart  
bstewart@springdalewater.com



Springdale Water Utilities  
Post Office Box 769  
Springdale, AR 72762

**SAMPLE INFORMATION**

**Project Description:**

Two (2) water sample(s) received on March 8, 2022  
Table III

**Receipt Details:**

A Chain of Custody was provided. The samples were delivered in one (1) ice chest.  
Ice chest #1 was delivered with shipping documentation.

Each sample container was checked for proper labeling, including date and time sampled. Sample containers were reviewed for proper type, adequate volume, integrity, temperature, preservation, and holding times. Any exceptions are noted below:

**Sample Identification:**

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Sampled Date/Time</u>	<u>Notes</u>
263587-1	Effluent	04-Mar-2022 0200	
263587-2	Effluent	04-Mar-2022 0800	

**Case Narrative:**

There were no qualifiers for this data and all samples met quality control criteria.

**References:**

- "Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).
- "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.
- "Standard Methods for the Examination of Water and Wastewaters", (SM).
- "American Society for Testing and Materials" (ASTM).
- "Association of Analytical Chemists" (AOAC).



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Springdale, AR 72782

**ANALYTICAL RESULTS**

**AIC No. 263587-1**

**Sample Identification: Effluent 04-Mar-2022 0200**

Analyte	Result	RL	Units	Qualifier
<b>Total Recoverable Phenolics</b> EPA 420.1	<b>&lt; 0.005</b>	<b>0.005</b>	<b>mg/l</b>	
Prep: 14-Mar-2022 0940 by 330	Analyzed: 14-Mar-2022 1300 by 330		Batch: W78905	
<b>Total Cyanide</b> SM 4500-CN C,E 2011	<b>&lt; 0.01</b>	<b>0.01</b>	<b>mg/l</b>	
Prep: 08-Mar-2022 1436 by 347	Analyzed: 11-Mar-2022 1408 by 347		Batch: W78858	

**AIC No. 263587-2**

**Sample Identification: Effluent 04-Mar-2022 0800**

Analyte	Result	RL	Units	Qualifier
<b>Antimony</b> EPA 200.8	<b>&lt; 60</b>	<b>60</b>	<b>ug/l</b>	
Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1151 by 313		Batch: S52313	
<b>Arsenic</b> EPA 200.8	<b>3.0</b>	<b>0.5</b>	<b>ug/l</b>	
Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1151 by 313		Batch: S52313	
<b>Beryllium</b> EPA 200.8	<b>&lt; 0.5</b>	<b>0.5</b>	<b>ug/l</b>	
Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1151 by 313		Batch: S52313	
<b>Cadmium</b> EPA 200.8	<b>&lt; 0.5</b>	<b>0.5</b>	<b>ug/l</b>	
Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1151 by 313		Batch: S52313	
<b>Chromium</b> EPA 200.8	<b>&lt; 10</b>	<b>10</b>	<b>ug/l</b>	
Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1151 by 313		Batch: S52313	
<b>Copper</b> EPA 200.8	<b>3.6</b>	<b>0.5</b>	<b>ug/l</b>	
Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1151 by 313		Batch: S52313	
<b>Lead</b> EPA 200.8	<b>&lt; 0.5</b>	<b>0.5</b>	<b>ug/l</b>	
Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1151 by 313		Batch: S52313	
<b>Molybdenum</b> EPA 200.8	<b>&lt; 10</b>	<b>10</b>	<b>ug/l</b>	
Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1151 by 313		Batch: S52313	
<b>Nickel</b> EPA 200.8	<b>2.5</b>	<b>0.5</b>	<b>ug/l</b>	
Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1151 by 313		Batch: S52313	
<b>Selenium</b> EPA 200.8	<b>&lt; 5</b>	<b>5</b>	<b>ug/l</b>	
Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1151 by 313		Batch: S52313	
<b>Silver</b> EPA 200.8	<b>&lt; 0.5</b>	<b>0.5</b>	<b>ug/l</b>	
Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1151 by 313		Batch: S52313	
<b>Thallium</b> EPA 200.8	<b>&lt; 0.5</b>	<b>0.5</b>	<b>ug/l</b>	
Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1151 by 313		Batch: S52313	
<b>Zinc</b> EPA 200.8	<b>53</b>	<b>20</b>	<b>ug/l</b>	
Prep: 11-Mar-2022 0917 by 313	Analyzed: 11-Mar-2022 1151 by 313		Batch: S52313	



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**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	DII	Qual
Total Recoverable Phenolics	0.1 mg/l	112	62.8-135			W78906	14Mar22 0941 by 330	14Mar22 1300 by 330		
Total Cyanide	0.1 mg/l	105	73.1-110			W78858	09Mar22 1438 by 347	11Mar22 1341 by 347		
Antimony	0.02 mg/l	113	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		
Arsenic	0.02 mg/l	91.7	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		
Beryllium	0.02 mg/l	92.6	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		
Cadmium	0.02 mg/l	96.2	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		
Chromium	0.02 mg/l	98.3	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		
Copper	0.02 mg/l	101	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		
Lead	0.02 mg/l	102	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		
Molybdenum	0.02 mg/l	98.0	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		
Nickel	0.02 mg/l	103	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		
Selenium	0.02 mg/l	94.2	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		
Silver	0.02 mg/l	100	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		
Thallium	0.02 mg/l	103	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		
Zinc	0.02 mg/l	95.4	85.0-115			S52313	11Mar22 0918 by 313	11Mar22 1130 by 313		





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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Recoverable Phenolics	263574-1	0.1 mg/l	105	58.5-136	W78905	14Mar22 0941 by 330	14Mar22 1300 by 330		
	263574-1	0.1 mg/l	101	58.5-136	W78905	14Mar22 0941 by 330	14Mar22 1300 by 330		
	Relative Percent Difference:		3.70	10.0	W78905				
Total Cyanide	263552-9	0.1 mg/l	108	70.1-108	W78858	09Mar22 1436 by 347	11Mar22 1344 by 347		
	263552-9	0.1 mg/l	96.3	70.1-109	W78858	09Mar22 1436 by 347	11Mar22 1346 by 347		
	Relative Percent Difference:		11.4	12.9	W78858				
Antimony	263646-1	0.02 mg/l	118	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	120	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		1.78	20.0	S52313				
Arsenic	263646-1	0.02 mg/l	98.8	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	99.0	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		1.95	20.0	S52313				
Beryllium	263646-1	0.02 mg/l	86.4	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	89.3	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		3.39	20.0	S52313				
Cadmium	263646-1	0.02 mg/l	96.1	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	97.1	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		0.973	20.0	S52313				
Chromium	263646-1	0.02 mg/l	92.5	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	92.6	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		0.0763	20.0	S52313				
Copper	263646-1	0.02 mg/l	88.5	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	90.7	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		1.81	20.0	S52313				
Lead	263646-1	0.02 mg/l	98.8	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	99.1	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		0.312	20.0	S52313				
Molybdenum	263646-1	0.02 mg/l	104	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	105	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		0.840	20.0	S52313				
Nickel	263646-1	0.02 mg/l	93.1	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	93.5	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		0.430	20.0	S52313				
Selenium	263646-1	0.02 mg/l	99.1	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	100	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		1.14	20.0	S52313				
Silver	263646-1	0.02 mg/l	94.2	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	85.5	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		1.40	20.0	S52313				
Thallium	263646-1	0.02 mg/l	101	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	100	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		0.836	20.0	S52313				
Zinc	263646-1	0.02 mg/l	95.9	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1133 by 313		
	263646-1	0.02 mg/l	98.8	75.0-125	S52313	11Mar22 0918 by 313	11Mar22 1137 by 313		
	Relative Percent Difference:		0.640	20.0	S52313				



Springdale Water Utilities  
Post Office Box 769  
Springdale, AR 72762

**LABORATORY BLANK RESULTS**

Analyte	Result	RL	LOG	QC Sample	Preparation Date	Analysis Date	Qual
Total Recoverable Phenolics	< 0.0047 mg/l	0.0047	0.005	W78905-1	14Mar22 0841 by 330	14Mar22 1300 by 330	
Total Cyanide	< 0.0085 mg/l	0.0085	0.01	W78858-1	09Mar22 1436 by 347	11Mar22 1339 by 347	
Antimony	< 0.02 mg/l	0.02	0.03	S52313-1	11Mar22 0818 by 313	11Mar22 1126 by 313	
Arsenic	< 0.0004 mg/l	0.0004	0.0005	S52313-1	11Mar22 0818 by 313	11Mar22 1126 by 313	
Beryllium	< 0.0003 mg/l	0.0003	0.0005	S52313-1	11Mar22 0818 by 313	11Mar22 1126 by 313	
Cadmium	< 0.0003 mg/l	0.0003	0.0005	S52313-1	11Mar22 0818 by 313	11Mar22 1126 by 313	
Chromium	< 0.005 mg/l	0.005	0.01	S52313-1	11Mar22 0818 by 313	11Mar22 1126 by 313	
Copper	< 0.0005 mg/l	0.0005	0.0005	S52313-1	11Mar22 0818 by 313	11Mar22 1126 by 313	
Lead	< 0.0003 mg/l	0.0003	0.0005	S52313-1	11Mar22 0818 by 313	11Mar22 1126 by 313	
Molybdenum	< 0.005 mg/l	0.005	0.01	S52313-1	11Mar22 0818 by 313	11Mar22 1126 by 313	
Nickel	< 0.0003 mg/l	0.0003	0.0005	S52313-1	11Mar22 0818 by 313	11Mar22 1126 by 313	
Selenium	< 0.001 mg/l	0.001	0.002	S52313-1	11Mar22 0818 by 313	11Mar22 1126 by 313	
Silver	< 0.0003 mg/l	0.0003	0.0005	S52313-1	11Mar22 0818 by 313	11Mar22 1126 by 313	
Thallium	< 0.0003 mg/l	0.0003	0.0005	S52313-1	11Mar22 0818 by 313	11Mar22 1126 by 313	
Zinc	< 0.005 mg/l	0.005	0.01	S52313-1	11Mar22 0818 by 313	11Mar22 1126 by 313	





HTg  
I r → QTR  
~~John Overbey~~  
March 14, 2022  
Control No. 263586  
Page 1 of 4

Springdale Water Utilities  
ATTN: Mr. Brad Stewart  
Post Office Box 769  
Springdale, AR 72762

This report contains the analytical results and supporting information for the sample received on March 8, 2022. Attached please find a copy of the Chain of Custody and/or other documents received. Note that any remaining sample will be discarded two weeks from the original report date unless other arrangements are made.

This report is intended for the sole use of the client listed above. Assessment of the data requires access to the entire document.

This report has been reviewed by the Chief Operating Officer or a qualified designee.

  
\_\_\_\_\_ by LP  
John Overbey  
Chief Operating Officer

This document has been distributed to the following:

PDF cc: Springdale Water Utilities  
ATTN: Mr. Brad Stewart  
bstewart@springdalewater.com



Springdale Water Utilities  
Post Office Box 769  
Springdale, AR 72762

**SAMPLE INFORMATION**

**Project Description:**

Four (4) water sample(s) received on March 8, 2022  
Table III

**Receipt Details:**

A Chain of Custody was provided. The samples were delivered in one (1) ice chest. Ice chest #1 was delivered with shipping documentation.

Each sample container was checked for proper labeling, including date and time sampled. Sample containers were reviewed for proper type, adequate volume, integrity, temperature, preservation, and holding times. Any exceptions are noted below:

**Sample Identification:**

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Sampled Date/Time</u>	<u>Notes</u>
263586-1	Influent	01-Mar-2022 0700	

**Case Narrative:**

There were no qualifiers for this data and all samples met quality control criteria.

**References:**

- "Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).
- "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.
- "Standard Methods for the Examination of Water and Wastewaters", (SM).
- "American Society for Testing and Materials" (ASTM).
- "Association of Analytical Chemists" (AOAC).



Springdale Water Utilities  
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Springdale, AR 72762

ANALYTICAL RESULTS

AIC No. 263586-1

Sample Identification: Influent 01-Mar-2022 0700

Note: Analysis was performed on a composite of four (4) samples submitted.

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Mercury, low level EPA 245.7	< 0.0050	0.0050	ug/l	
	Prep: 14-Mar-2022 1309 by 313	Analyzed: 14-Mar-2022 1403 by 313	Batch: S52320	



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**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	DII	Qual
Mercury, low level	0.01 ug/l	100	76.0-113			S52320	14Mar22 1310 by 313	14Mar22 1344 by 313		

**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	DII	Qual
Mercury, low level	263638-1	0.01 ug/l	98.6	83.0-111	S52320	14Mar22 1310 by 313	14Mar22 1349 by 313		
	263638-1	0.01 ug/l	95.8	83.0-111	S52320	14Mar22 1310 by 313	14Mar22 1354 by 313		
	Relative Percent Difference:		2.78	18.0	S52320				

**LABORATORY BLANK RESULTS**

Analyte	Result	RL	LOQ	QC Sample	Preparation Date	Analysis Date	Qual
Mercury, low level	< 0.0030 ug/l	0.0030	0.0050	S52320-1	14Mar22 1310 by 313	14Mar22 1339 by 313	



CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

PAGE 1 OF 1

Client: <b>SPRINGDALE WATER UTILITIES</b>		AIC CONTROL NO: <b>263586</b>	
Project Reference: <b>TABLE III</b>		AIC PROPOSAL NO:	
Project Manager: <b>BRAD STEWART</b>		Carrier: <b>FX</b>	
Sampled By: <b>SEL, TCP, KRB</b>		Received on ice? <b>Temp. No 2.9 °C</b>	
AIC No. 1		Remarks	
Sample Identification: <b>INFLUENT</b>		Remarks: <b>DID NOT BELIEVE</b>	
Date/Time Collected: <b>02/02/05 08:00</b>			
Container Type: <b>---</b>			
Preservative: <b>---</b>			
Matrix: <b>WATER</b>			
Matrix: <b>SOIL</b>			
Matrix: <b>COMPOST</b>			
Matrix: <b>GRAVEL</b>			
Matrix: <b>SLUDGE</b>			
Matrix: <b>OTHER</b>			
NO OF BOTTLES: <b>4</b>			
ANALYSES REQUESTED			
G = Glass		T = Sodium Thiosulfate	
NO = none		Z = Zinc acetate	
P = Plastic		A = (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> , NH <sub>4</sub> OH	
S = Sulfuric acid pH2			
H = HCl to pH2			
B = NaOH to pH12			
V = VOA vials			
N = Nitric acid pH2			
Field pH calibration on <b>6</b>		Buffer:	
Reinquired By: <b>Springville</b>		Date/Time: <b>03/04/02 - 1430</b>	
Reinquired By:		Date/Time:	
Received By: <b>[Signature]</b>		Date/Time: <b>3-8-22</b>	
Received By:		Date/Time: <b>1/10</b>	
Comments: <b>4 grabs to be composited into 1 sample for analysis.</b>			

FORM 0060  
Feeley 2705 7733 3038





March 14, 2022  
Control No. 263588  
Page 1 of 4

Springdale Water Utilities  
ATTN: Mr. Brad Stewart  
Post Office Box 769  
Springdale, AR 72762

This report contains the analytical results and supporting information for the sample received on March 8, 2022. Attached please find a copy of the Chain of Custody and/or other documents received. Note that any remaining sample will be discarded two weeks from the original report date unless other arrangements are made.

This report is intended for the sole use of the client listed above. Assessment of the data requires access to the entire document.

This report has been reviewed by the Chief Operating Officer or a qualified designee.

  
\_\_\_\_\_  
John Overbey by LP  
Chief Operating Officer

This document has been distributed to the following:

PDF cc: Springdale Water Utilities  
ATTN: Mr. Brad Stewart  
bstewart@springdalewater.com



Springdale Water Utilities  
Post Office Box 769  
Springdale, AR 72762

**SAMPLE INFORMATION**

**Project Description:**

Four (4) water sample(s) received on March 8, 2022  
Table III

**Receipt Details:**

A Chain of Custody was provided. The samples were delivered in one (1) ice chest.  
Ice chest #1 was delivered with shipping documentation.

Each sample container was checked for proper labeling, including date and time sampled. Sample containers were reviewed for proper type, adequate volume, integrity, temperature, preservation, and holding times. Any exceptions are noted below:

**Sample Identification:**

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Sampled Date/Time</u>	<u>Notes</u>
263588-1	Effluent	04-Mar-2022 0700	

**Case Narrative:**

There were no qualifiers for this data and all samples met quality control criteria.

**References:**

- "Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).
- "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.
- "Standard Methods for the Examination of Water and Wastewaters", (SM).
- "American Society for Testing and Materials" (ASTM).
- "Association of Analytical Chemists" (AOAC).



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Post Office Box 769  
Springdale, AR 72782

**ANALYTICAL RESULTS**

**AIC No. 263588-1**

**Sample Identification: Effluent 04-Mar-2022 0700**

**Note: Analysis was performed on a composite of four (4) samples submitted.**

<b>Analyte</b>	<b>Result</b>	<b>RL</b>	<b>Units</b>	<b>Qualifier</b>
<b>Mercury, low level</b> EPA 245.7	<b>&lt; 0.0050</b>	<b>0.0050</b>	<b>ug/l</b>	
Prep: 14-Mar-2022 1309 by 313	Analyzed: 14-Mar-2022 1408 by 313		Batch: S52320	



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Springdale, AR 72762

**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Mercury, low level	0.01 ug/l	108	76.0-113			S52320	14Mar22 1310 by 313	14Mar22 1344 by 313		

**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Mercury, low level	263638-1	0.01 ug/l	99.6	63.0-111	S52320	14Mar22 1310 by 313	14Mar22 1346 by 313		
	263638-1	0.01 ug/l	95.8	63.0-111	S52320	14Mar22 1310 by 313	14Mar22 1354 by 313		
	Relative Percent Difference:		2.79	18.0	S52320				

**LABORATORY BLANK RESULTS**

Analyte	Result	RL	LOQ	QC Sample	Preparation Date	Analysis Date	Qual
Mercury, low level	< 0.0030 ug/l	0.0030	0.0050	S52320-1	14Mar22 1310 by 313	14Mar22 1339 by 313	



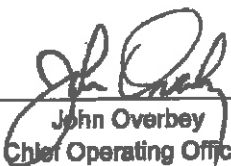


Springdale Water Utilities  
ATTN: Mr. Brad Stewart  
Post Office Box 789  
Springdale, AR 72762

This report contains the analytical results and supporting information for samples received on May 17, 2022. Attached please find a copy of the Chain of Custody and/or other documents received. Note that any remaining sample will be discarded two weeks from the original report date unless other arrangements are made.

This report is intended for the sole use of the client listed above. Assessment of the data requires access to the entire document.

This report has been reviewed by the Chief Operating Officer or a qualified designee.

 by LP  
John Overbey  
Chief Operating Officer

This document has been distributed to the following:

PDF cc: Springdale Water Utilities  
ATTN: Mr. Brad Stewart  
bstewart@springdalewater.com



Springdale Water Utilities  
Post Office Box 769  
Springdale, AR 72762

**SAMPLE INFORMATION**

**Project Description:**

Four (4) water and one (1) sludge sample(s) received on May 17, 2022  
Table III  
P.O. No. 0022304-00

**Receipt Details:**

A Chain of Custody was provided. The samples were delivered in one (1) ice chest.  
Ice chest #1 was delivered with shipping documentation.

Each sample container was checked for proper labeling, including date and time sampled. Sample containers were reviewed for proper type, adequate volume, integrity, temperature, preservation, and holding times. Any exceptions are noted below:

**Sample Identification:**

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Sampled Date/Time</u>	<u>Notes</u>
265660-1	INFLUENT	10-May-2022 0800	
265660-2	INFLUENT	10-May-2022 1400	
265660-3	EFFLUENT	13-May-2022 0200	
265660-4	EFFLUENT	13-May-2022 0800	
265660-5	Belt Press Influent	11-May-2022 1350	

**Qualifiers:**

X Spiking level is invalid due to the high concentration of analyte in the spiked sample

**Case Narrative:**

Analysis of soils/sludges are reported on a dry-weight basis unless otherwise specified.

**References:**

- "Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).
- "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.
- "Standard Methods for the Examination of Water and Wastewaters", (SM).
- "American Society for Testing and Materials" (ASTM).
- "Association of Analytical Chemists" (AOAC).



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Springdale, AR 72762

**ANALYTICAL RESULTS**

**AIC No. 265660-1**

**Sample Identification: INFLUENT 10-May-2022 0800**

Analyte	Result	RL	Units	Qualifier
<b>Total Recoverable Phenolics</b> EPA 420.1	0.15	0.005	mg/l	
Prep: 18-May-2022 1351 by 330	Analyzed: 19-May-2022 0900 by 330		Batch: W79595	
<b>Total Cyanide</b> SM 4500-CN C,E 2011	< 0.01	0.01	mg/l	
Prep: 19-May-2022 1022 by 352	Analyzed: 20-May-2022 1054 by 352		Batch: W79606	

**AIC No. 265660-2**

**Sample Identification: INFLUENT 10-May-2022 1400**

Analyte	Result	RL	Units	Qualifier
<b>Antimony</b> EPA 200.8	< 60	60	ug/l	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1302 by 313		Batch: S52643	
<b>Arsenic</b> EPA 200.8	28	0.5	ug/l	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1302 by 313		Batch: S52643	
<b>Beryllium</b> EPA 200.8	< 0.5	0.5	ug/l	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1302 by 313		Batch: S52643	
<b>Cadmium</b> EPA 200.8	< 0.5	0.5	ug/l	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1302 by 313		Batch: S52643	
<b>Chromium</b> EPA 200.8	< 10	10	ug/l	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1302 by 313		Batch: S52643	
<b>Copper</b> EPA 200.8	20	0.5	ug/l	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1302 by 313		Batch: S52643	
<b>Lead</b> EPA 200.8	0.81	0.5	ug/l	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1302 by 313		Batch: S52643	
<b>Molybdenum</b> EPA 200.8	< 10	10	ug/l	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1302 by 313		Batch: S52643	
<b>Nickel</b> EPA 200.8	5.3	0.5	ug/l	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1302 by 313		Batch: S52643	
<b>Selenium</b> EPA 200.8	< 5	5	ug/l	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1302 by 313		Batch: S52643	
<b>Silver</b> EPA 200.8	0.74	0.5	ug/l	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1302 by 313		Batch: S52643	
<b>Thallium</b> EPA 200.8	< 0.5	0.5	ug/l	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1302 by 313		Batch: S52643	
<b>Zinc</b> EPA 200.8	88	20	ug/l	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1302 by 313		Batch: S52643	

**AIC No. 265660-3**

**Sample Identification: EFFLUENT 13-May-2022 0200**

Analyte	Result	RL	Units	Qualifier
<b>Total Recoverable Phenolics</b> EPA 420.1	< 0.005	0.005	mg/l	
Prep: 18-May-2022 1351 by 330	Analyzed: 19-May-2022 0900 by 330		Batch: W79595	



Springdale Water Utilities  
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Springdale, AR 72762

**ANALYTICAL RESULTS**

**AIC No. 265660-3 (Continued)**

**Sample Identification: EFFLUENT 13-May-2022 0200**

Analyte	Result	RL	Units	Qualifier
<b>Total Cyanide</b> SM 4500-CN C,E 2011	<b>&lt; 0.01</b>	<b>0.01</b>	<b>mg/l</b>	
Prep: 19-May-2022 1022 by 352	Analyzed: 20-May-2022 1056 by 352		Batch: W79606	

**AIC No. 265660-4**

**Sample Identification: EFFLUENT 13-May-2022 0800**

Analyte	Result	RL	Units	Qualifier
<b>Antimony</b> EPA 200.8	<b>&lt; 60</b>	<b>60</b>	<b>ug/l</b>	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1306 by 313		Batch: S52643	
<b>Arsenic</b> EPA 200.8	<b>2.2</b>	<b>0.5</b>	<b>ug/l</b>	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1306 by 313		Batch: S52643	
<b>Beryllium</b> EPA 200.8	<b>&lt; 0.5</b>	<b>0.5</b>	<b>ug/l</b>	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1306 by 313		Batch: S52643	
<b>Cadmium</b> EPA 200.8	<b>&lt; 0.5</b>	<b>0.5</b>	<b>ug/l</b>	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1306 by 313		Batch: S52643	
<b>Chromium</b> EPA 200.8	<b>&lt; 10</b>	<b>10</b>	<b>ug/l</b>	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1306 by 313		Batch: S52643	
<b>Copper</b> EPA 200.8	<b>3.7</b>	<b>0.5</b>	<b>ug/l</b>	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1306 by 313		Batch: S52643	
<b>Lead</b> EPA 200.8	<b>&lt; 0.5</b>	<b>0.5</b>	<b>ug/l</b>	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1306 by 313		Batch: S52643	
<b>Molybdenum</b> EPA 200.8	<b>&lt; 10</b>	<b>10</b>	<b>ug/l</b>	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1306 by 313		Batch: S52643	
<b>Nickel</b> EPA 200.8	<b>2.8</b>	<b>0.5</b>	<b>ug/l</b>	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1306 by 313		Batch: S52643	
<b>Selenium</b> EPA 200.8	<b>&lt; 5</b>	<b>5</b>	<b>ug/l</b>	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1306 by 313		Batch: S52643	
<b>Silver</b> EPA 200.8	<b>&lt; 0.5</b>	<b>0.5</b>	<b>ug/l</b>	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1306 by 313		Batch: S52643	
<b>Thallium</b> EPA 200.8	<b>&lt; 0.5</b>	<b>0.5</b>	<b>ug/l</b>	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1306 by 313		Batch: S52643	
<b>Zinc</b> EPA 200.8	<b>28</b>	<b>20</b>	<b>ug/l</b>	
Prep: 18-May-2022 0904 by 313	Analyzed: 18-May-2022 1306 by 313		Batch: S52643	

**AIC No. 265660-5**

**Sample Identification: Belt Press Influent 11-May-2022 1350**

**Note: Data is presented on a dry weight basis.**

Analyte	Result	RL	Units	Qualifier
<b>Total Cyanide</b> EPA 9010C, 9014	<b>&lt; 20</b>	<b>20</b>	<b>mg/Kg</b>	
Prep: 26-May-2022 0830 by 352	Analyzed: 31-May-2022 1106 by 352		Batch: W79664	
<b>Total Recoverable Phenolics</b> EPA 9065	<b>90</b>	<b>60</b>	<b>mg/Kg</b>	
Prep: 23-May-2022 0949 by 330	Analyzed: 23-May-2022 1400 by 330		Batch: W79638	



Springdale Water Utilities  
Post Office Box 769  
Springdale, AR 72762

**ANALYTICAL RESULTS**

**AIC No. 265660-5 (Continued)**

**Sample Identification: Belt Press Influent 11-May-2022 1350**

<u>Analyte</u>		<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
<b>Total Solids</b> SM 2540 G 2011	Prep: 20-May-2022 1144 by 100	<b>4.5</b> Analyzed: 23-May-2022 1210 by 100	<b>0.01</b>	<b>wt %</b> Batch: W79626	
<b>Antimony</b> EPA 3051A, 6010D	Prep: 24-May-2022 1030 by 328	<b>&lt; 6</b> Analyzed: 25-May-2022 1719 by 328	<b>6</b>	<b>mg/Kg</b> Batch: S52685	
<b>Arsenic</b> EPA 3051A, 6010D	Prep: 24-May-2022 1030 by 328	<b>&lt; 5</b> Analyzed: 25-May-2022 1719 by 328	<b>5</b>	<b>mg/Kg</b> Batch: S52685	
<b>Beryllium</b> EPA 3051A, 6010D	Prep: 24-May-2022 1030 by 328	<b>&lt; 0.05</b> Analyzed: 25-May-2022 1719 by 328	<b>0.05</b>	<b>mg/Kg</b> Batch: S52685	
<b>Cadmium</b> EPA 3051A, 6010D	Prep: 24-May-2022 1030 by 328	<b>&lt; 0.4</b> Analyzed: 25-May-2022 1719 by 328	<b>0.4</b>	<b>mg/Kg</b> Batch: S52685	
<b>Chromium</b> EPA 3051A, 6010D	Prep: 24-May-2022 1030 by 328	<b>3.8</b> Analyzed: 25-May-2022 1719 by 328	<b>1</b>	<b>mg/Kg</b> Batch: S52685	
<b>Copper</b> EPA 3051A, 6010D	Prep: 24-May-2022 1030 by 328	<b>35</b> Analyzed: 25-May-2022 1719 by 328	<b>1</b>	<b>mg/Kg</b> Batch: S52685	
<b>Lead</b> EPA 3051A, 6010D	Prep: 24-May-2022 1030 by 328	<b>&lt; 4</b> Analyzed: 25-May-2022 1719 by 328	<b>4</b>	<b>mg/Kg</b> Batch: S52685	
<b>Molybdenum</b> EPA 3051A, 6010D	Prep: 24-May-2022 1030 by 328	<b>1.6</b> Analyzed: 25-May-2022 1719 by 328	<b>1</b>	<b>mg/Kg</b> Batch: S52685	
<b>Nickel</b> EPA 3051A, 6010D	Prep: 24-May-2022 1030 by 328	<b>5.0</b> Analyzed: 25-May-2022 1719 by 328	<b>1</b>	<b>mg/Kg</b> Batch: S52685	
<b>Selenium</b> EPA 3051A, 6010D	Prep: 24-May-2022 1030 by 328	<b>&lt; 7</b> Analyzed: 25-May-2022 1719 by 328	<b>7</b>	<b>mg/Kg</b> Batch: S52685	
<b>Silver</b> EPA 3051A, 6010D	Prep: 24-May-2022 1030 by 328	<b>&lt; 0.7</b> Analyzed: 25-May-2022 1719 by 328	<b>0.7</b>	<b>mg/Kg</b> Batch: S52685	
<b>Thallium</b> EPA 3051A, 6010D	Prep: 24-May-2022 1030 by 328	<b>&lt; 4</b> Analyzed: 25-May-2022 1719 by 328	<b>4</b>	<b>mg/Kg</b> Batch: S52685	
<b>Zinc</b> EPA 3051A, 6010D	Prep: 24-May-2022 1030 by 328	<b>100</b> Analyzed: 25-May-2022 1715 by 328	<b>10</b>	<b>mg/Kg</b> Batch: S52685	
<b>Mercury</b> EPA 7471B	Prep: 18-May-2022 1055 by 313	<b>0.17</b> Analyzed: 18-May-2022 1601 by 313	<b>0.1</b>	<b>mg/Kg</b> Batch: S62646	



Springdale Water Utilities  
Post Office Box 769  
Springdale, AR 72762

**DUPLICATE RESULTS**

Analyte	AIC No.	Result	RPD		Preparation Date	Analysis Date	Dil	Qual
			RPD	Limit				
Total Solids	265661-1	100 wt %			20May22 1144 by 100	23May22 1210 by 100		
	Batch: W79625 Duplicate	100 wt %	0.0208	10.0	20May22 1145 by 100	23May22 1210 by 100		

**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Recoverable Phenolics	0.1 mg/l	90.4	73.6-119			W79665	18May22 1352 by 330	19May22 0900 by 330		
Total Cyanide	0.1 mg/l	85.7	76.2-121			W79606	19May22 1022 by 352	20May22 1044 by 352		
Antimony	0.02 mg/l	107	85.0-115			S52643	18May22 0905 by 313	18May22 1130 by 313		
Arsenic	0.02 mg/l	98.7	85.0-115			S52643	18May22 0905 by 313	18May22 1130 by 313		
Beryllium	0.02 mg/l	98.3	85.0-115			S52643	18May22 0905 by 313	18May22 1130 by 313		
Chromium	0.02 mg/l	94.7	85.0-115			S52643	18May22 0905 by 313	18May22 1130 by 313		
Lead	0.02 mg/l	97.2	85.0-115			S52643	18May22 0905 by 313	18May22 1130 by 313		
Molybdenum	0.02 mg/l	97.1	85.0-115			S52643	18May22 0905 by 313	18May22 1130 by 313		
Nickel	0.02 mg/l	102	85.0-115			S52643	18May22 0905 by 313	18May22 1130 by 313		
Selenium	0.02 mg/l	99.6	85.0-115			S52643	18May22 0905 by 313	18May22 1130 by 313		
Silver	0.02 mg/l	98.5	85.0-115			S52643	18May22 0905 by 313	18May22 1130 by 313		
Thallium	0.02 mg/l	98.2	85.0-115			S52643	18May22 0905 by 313	18May22 1130 by 313		
Zinc	0.02 mg/l	94.6	85.0-115			S52643	18May22 0905 by 313	18May22 1130 by 313		
Cadmium	0.02 mg/l	97.8	85.0-115			S52643	18May22 0905 by 313	18May22 1130 by 313		
Copper	0.02 mg/l	103	85.0-115			S52643	18May22 0905 by 313	18May22 1130 by 313		
Total Cyanide	0.500 mg/Kg	95.7	82.5-123			W79664	25May22 0831 by 352	31May22 1104 by 352		
Total Recoverable Phenolics	1000 mg/Kg	86.4	53.9-138			W79638	23May22 0950 by 330	23May22 1400 by 330		
Antimony	200 mg/Kg	95.8	85.0-115			S52685	24May22 1030 by 328	25May22 1624 by 328		
Arsenic	200 mg/Kg	96.3	85.0-115			S52685	24May22 1030 by 328	25May22 1624 by 328		
Beryllium	2.00 mg/Kg	105	85.0-115			S52685	24May22 1030 by 328	25May22 1624 by 328		
Cadmium	20.0 mg/Kg	100	85.0-115			S52685	24May22 1030 by 328	25May22 1624 by 328		
Chromium	20.0 mg/Kg	96.0	85.0-115			S52685	24May22 1030 by 328	25May22 1624 by 328		
Copper	20.0 mg/Kg	101	85.0-115			S52685	24May22 1030 by 328	25May22 1624 by 328		
Lead	200 mg/Kg	96.2	85.0-115			S52685	24May22 1030 by 328	25May22 1624 by 328		
Molybdenum	20.0 mg/Kg	92.2	85.0-115			S52685	24May22 1030 by 328	25May22 1624 by 328		
Nickel	20.0 mg/Kg	99.2	85.0-115			S52685	24May22 1030 by 328	25May22 1624 by 328		
Selenium	200 mg/Kg	104	85.0-115			S52685	24May22 1030 by 328	25May22 1624 by 328		
Silver	4.00 mg/Kg	107	85.0-115			S52685	24May22 1030 by 328	25May22 1624 by 328		
Thallium	200 mg/Kg	108	85.0-115			S52685	24May22 1030 by 328	25May22 1624 by 328		
Zinc	20.0 mg/Kg	104	85.0-115			S52685	24May22 1030 by 328	25May22 1624 by 328		
Mercury	1.25 mg/Kg	90.2	85.0-115			S52646	18May22 1055 by 313	18May22 1519 by 313		



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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike		Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
		Amount	%						
Total Recoverable Phenolics	265458-1	0.1 mg/l	83.0	81.8-118	W79595	18May22 1352 by 330	19May22 0900 by 330		
	265458-1	0.1 mg/l	83.0	81.8-118	W79595	18May22 1352 by 330	19May22 0900 by 330		
	Relative Percent Difference:		0.00	10.0	W79595				
Total Cyanide	265502-2	0.1 mg/l	86.0	77.2-122	W79606	19May22 1022 by 352	20May22 1047 by 352		
	265502-2	0.1 mg/l	81.8	77.2-122	W79606	19May22 1022 by 352	20May22 1049 by 352		
	Relative Percent Difference:		5.01	14.7	W79606				
Antimony	265566-3	0.02 mg/l	107	75.0-125	S52643	18May22 0905 by 313	18May22 1134 by 313		
	265566-3	0.02 mg/l	108	75.0-125	S52643	18May22 0905 by 313	18May22 1137 by 313		
	Relative Percent Difference:		0.705	20.0	S52643				
Arsenic	265566-3	0.02 mg/l	106	75.0-125	S52643	18May22 0905 by 313	18May22 1134 by 313		
	265566-3	0.02 mg/l	101	75.0-125	S52643	18May22 0905 by 313	18May22 1137 by 313		
	Relative Percent Difference:		3.69	20.0	S52643				
Beryllium	265566-3	0.02 mg/l	89.6	75.0-125	S52643	18May22 0905 by 313	18May22 1134 by 313		
	265566-3	0.02 mg/l	91.1	75.0-125	S52643	18May22 0905 by 313	18May22 1137 by 313		
	Relative Percent Difference:		1.81	20.0	S52643				
Chromium	265566-3	0.02 mg/l	94.6	75.0-125	S52643	18May22 0905 by 313	18May22 1134 by 313		
	265566-3	0.02 mg/l	98.0	75.0-125	S52643	18May22 0905 by 313	18May22 1137 by 313		
	Relative Percent Difference:		1.70	20.0	S52643				
Lead	265566-3	0.02 mg/l	96.9	75.0-125	S52643	18May22 0905 by 313	18May22 1134 by 313		
	265566-3	0.02 mg/l	95.9	75.0-125	S52643	18May22 0905 by 313	18May22 1137 by 313		
	Relative Percent Difference:		1.12	20.0	S52643				
Molybdenum	265566-3	0.02 mg/l	101	75.0-125	S52643	18May22 0905 by 313	18May22 1134 by 313		
	265566-3	0.02 mg/l	101	75.0-125	S52643	18May22 0905 by 313	18May22 1137 by 313		
	Relative Percent Difference:		0.0998	20.0	S52643				
Nickel	265566-3	0.02 mg/l	95.8	75.0-125	S52643	18May22 0905 by 313	18May22 1134 by 313		
	265566-3	0.02 mg/l	96.7	75.0-125	S52643	18May22 0905 by 313	18May22 1137 by 313		
	Relative Percent Difference:		0.849	20.0	S52643				
Selenium	265566-3	0.02 mg/l	97.6	75.0-125	S52643	18May22 0905 by 313	18May22 1134 by 313		
	265566-3	0.02 mg/l	97.8	75.0-125	S52643	18May22 0905 by 313	18May22 1137 by 313		
	Relative Percent Difference:		0.211	20.0	S52643				
Silver	265566-3	0.02 mg/l	82.4	75.0-125	S52643	18May22 0905 by 313	18May22 1134 by 313		
	265566-3	0.02 mg/l	83.9	75.0-125	S52643	18May22 0905 by 313	18May22 1137 by 313		
	Relative Percent Difference:		1.87	20.0	S52643				
Thallium	265566-3	0.02 mg/l	96.6	75.0-125	S52643	18May22 0905 by 313	18May22 1134 by 313		
	265566-3	0.02 mg/l	98.4	75.0-125	S52643	18May22 0905 by 313	18May22 1137 by 313		
	Relative Percent Difference:		0.169	20.0	S52643				
Zinc	265566-3	0.02 mg/l	93.1	75.0-125	S52643	18May22 0905 by 313	18May22 1134 by 313		
	265566-3	0.02 mg/l	82.9	75.0-125	S52643	18May22 0905 by 313	18May22 1137 by 313		
	Relative Percent Difference:		0.134	20.0	S52643				
Cadmium	265566-3	0.02 mg/l	94.9	75.0-125	S52643	18May22 0905 by 313	18May22 1134 by 313		
	265566-3	0.02 mg/l	95.1	75.0-125	S52643	18May22 0905 by 313	18May22 1137 by 313		
	Relative Percent Difference:		0.251	20.0	S52643				
Copper	265566-3	0.02 mg/l	93.7	75.0-125	S52643	18May22 0905 by 313	18May22 1134 by 313		
	265566-3	0.02 mg/l	93.6	75.0-125	S52643	18May22 0905 by 313	18May22 1137 by 313		
	Relative Percent Difference:		0.0867	20.0	S52643				
Total Cyanide	265660-5	9.67 mg/Kg	87.6	56.8-119	W79684	23May22 0831 by 352	31May22 1106 by 352		
	265660-5	10.4 mg/Kg	69.3	56.8-119	W79684	23May22 0831 by 352	31May22 1109 by 352		
	Relative Percent Difference:		0.887	21.3	W79684				
Total Recoverable Phenolics	265660-5	998 mg/Kg	83.2	14.6-149	W79636	23May22 0850 by 330	23May22 1400 by 330		
	265660-5	859 mg/Kg	82.2	14.6-149	W79636	23May22 0850 by 330	23May22 1400 by 330		
	Relative Percent Difference:		3.23	10.0	W79636				



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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike		Limits	Batch	Preparation Date	Analysis Date	DII	Qual
		Amount	%						
Antimony	265741-1	198 mg/Kg	81.0	75.0-125	S52685	24May22 1030 by 328	25May22 1627 by 328		
	265741-1	198 mg/Kg	78.4	75.0-125	S52685	24May22 1030 by 328	25May22 1630 by 328		
	Relative Percent Difference:		2.66	20.0	S52685				
Arsenic	265741-1	198 mg/Kg	91.8	75.0-125	S52685	24May22 1030 by 328	25May22 1627 by 328		
	265741-1	198 mg/Kg	100	75.0-125	S52685	24May22 1030 by 328	25May22 1630 by 328		
	Relative Percent Difference:		8.61	20.0	S52685				
Beryllium	265741-1	1.98 mg/Kg	98.8	75.0-125	S52685	24May22 1030 by 328	25May22 1627 by 328		
	265741-1	1.98 mg/Kg	101	75.0-125	S52685	24May22 1030 by 328	25May22 1630 by 328		
	Relative Percent Difference:		1.88	20.0	S52685				
Cadmium	265741-1	19.8 mg/Kg	82.3	75.0-125	S52685	24May22 1030 by 328	25May22 1627 by 328		
	265741-1	19.8 mg/Kg	82.6	75.0-125	S52685	24May22 1030 by 328	25May22 1630 by 328		
	Relative Percent Difference:		0.395	20.0	S52685				
Chromium	265741-1	19.8 mg/Kg	-	75.0-125	S52685	24May22 1030 by 328	25May22 1641 by 328		X
	265741-1	19.8 mg/Kg	-	75.0-125	S52685	24May22 1030 by 328	25May22 1644 by 328		X
	Relative Percent Difference:		0.260	20.0	S52685				
Copper	265741-1	19.8 mg/Kg	-	75.0-125	S52685	24May22 1030 by 328	25May22 1641 by 328		X
	265741-1	19.8 mg/Kg	-	75.0-125	S52685	24May22 1030 by 328	25May22 1644 by 328		X
	Relative Percent Difference:		0.307	20.0	S52685				
Lead	265741-1	198 mg/Kg	78.7	75.0-125	S52685	24May22 1030 by 328	25May22 1627 by 328		
	265741-1	198 mg/Kg	76.9	75.0-125	S52685	24May22 1030 by 328	25May22 1630 by 328		
	Relative Percent Difference:		0.881	20.0	S52685				
Molybdenum	265741-1	19.8 mg/Kg	99.0	75.0-125	S52685	24May22 1030 by 328	25May22 1627 by 328		
	265741-1	19.8 mg/Kg	94.8	75.0-125	S52685	24May22 1030 by 328	25May22 1630 by 328		
	Relative Percent Difference:		2.76	20.0	S52685				
Nickel	265741-1	19.8 mg/Kg	108	75.0-125	S52685	24May22 1030 by 328	25May22 1627 by 328		
	265741-1	19.8 mg/Kg	87.2	75.0-125	S52685	24May22 1030 by 328	25May22 1630 by 328		
	Relative Percent Difference:		7.50	20.0	S52685				
Selenium	265741-1	198 mg/Kg	96.1	75.0-125	S52685	24May22 1030 by 328	25May22 1627 by 328		
	265741-1	198 mg/Kg	95.9	75.0-125	S52685	24May22 1030 by 328	25May22 1630 by 328		
	Relative Percent Difference:		1.88	20.0	S52685				
Silver	265741-1	3.98 mg/Kg	102	75.0-125	S52685	24May22 1030 by 328	25May22 1627 by 328		
	265741-1	3.97 mg/Kg	101	75.0-125	S52685	24May22 1030 by 328	25May22 1630 by 328		
	Relative Percent Difference:		0.311	20.0	S52685				
Thallium	265741-1	198 mg/Kg	79.8	75.0-125	S52685	24May22 1030 by 328	25May22 1627 by 328		
	265741-1	198 mg/Kg	82.7	75.0-125	S52685	24May22 1030 by 328	25May22 1630 by 328		
	Relative Percent Difference:		3.51	20.0	S52685				
Zinc	265741-1	19.8 mg/Kg	-	75.0-125	S52685	24May22 1030 by 328	25May22 1641 by 328		X
	265741-1	19.8 mg/Kg	-	75.0-125	S52685	24May22 1030 by 328	25May22 1644 by 328		X
	Relative Percent Difference:		0.620	20.0	S52685				
Mercury	265463-1	2.37 mg/Kg	118	75.0-125	S52646	18May22 1055 by 313	18May22 1521 by 313		
	265463-1	2.34 mg/Kg	123	75.0-125	S52646	18May22 1065 by 313	18May22 1523 by 313		
	Relative Percent Difference:		3.02	20.0	S52646				



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**LABORATORY BLANK RESULTS**

Analyte	Result	RL	LOQ	QC Sample	Preparation Date	Analysis Date	Qual
Total Recoverable Phenolics	< 0.0050 mg/l	0.0050	0.005	W79595-1	18May22 1382 by 330	19May22 0900 by 330	
Total Cyanide	< 0.0076 mg/l	0.0076	0.01	W79606-1	19May22 1022 by 352	20May22 1042 by 352	
Antimony	< 0.02 mg/l	0.02	0.03	S52643-1	18May22 0905 by 313	18May22 1126 by 313	
Arsenic	< 0.0004 mg/l	0.0004	0.0005	S52643-1	18May22 0905 by 313	18May22 1126 by 313	
Beryllium	< 0.0003 mg/l	0.0003	0.0005	S52643-1	18May22 0905 by 313	18May22 1126 by 313	
Cadmium	< 0.0003 mg/l	0.0003	0.0005	S52643-1	18May22 0905 by 313	18May22 1126 by 313	
Chromium	< 0.005 mg/l	0.005	0.01	S52643-1	18May22 0905 by 313	18May22 1126 by 313	
Copper	< 0.0003 mg/l	0.0003	0.0005	S52643-1	18May22 0905 by 313	18May22 1126 by 313	
Lead	< 0.0003 mg/l	0.0003	0.0005	S52643-1	18May22 0905 by 313	18May22 1126 by 313	
Molybdenum	< 0.005 mg/l	0.005	0.01	S52643-1	18May22 0905 by 313	18May22 1126 by 313	
Nickel	< 0.0003 mg/l	0.0003	0.0005	S52643-1	18May22 0905 by 313	18May22 1126 by 313	
Selenium	< 0.001 mg/l	0.001	0.002	S52643-1	18May22 0905 by 313	18May22 1126 by 313	
Silver	< 0.0003 mg/l	0.0003	0.0005	S52643-1	18May22 0905 by 313	18May22 1126 by 313	
Thallium	< 0.0003 mg/l	0.0003	0.0005	S52643-1	18May22 0905 by 313	18May22 1126 by 313	
Zinc	< 0.005 mg/l	0.005	0.01	S52643-1	18May22 0905 by 313	18May22 1126 by 313	
Total Cyanide	< 0.093 mg/Kg	0.093	0.1	W79664-1	25May22 0831 by 352	31May22 1103 by 352	
Total Recoverable Phenolics	< 1.3 mg/Kg	1.3	2.5	W79638-1	23May22 0950 by 330	23May22 1400 by 330	
Antimony	< 3 mg/Kg	3	6	S52685-1	24May22 1030 by 328	25May22 1621 by 328	
Arsenic	< 3 mg/Kg	3	5	S52685-1	24May22 1030 by 328	25May22 1621 by 328	
Beryllium	< 0.03 mg/Kg	0.03	0.05	S52685-1	24May22 1030 by 328	25May22 1621 by 328	
Cadmium	< 0.2 mg/Kg	0.2	0.4	S52685-1	24May22 1030 by 328	25May22 1621 by 328	
Chromium	< 0.5 mg/Kg	0.5	1	S52685-1	24May22 1030 by 328	25May22 1621 by 328	
Copper	< 0.6 mg/Kg	0.6	1	S52685-1	24May22 1030 by 328	25May22 1621 by 328	
Lead	< 2 mg/Kg	2	4	S52685-1	24May22 1030 by 328	25May22 1621 by 328	
Molybdenum	< 0.6 mg/Kg	0.5	1	S52685-1	24May22 1030 by 328	25May22 1621 by 328	
Nickel	< 0.6 mg/Kg	0.6	1	S52685-1	24May22 1030 by 328	25May22 1621 by 328	
Selenium	< 4 mg/Kg	4	7	S52685-1	24May22 1030 by 328	25May22 1621 by 328	
Silver	< 0.4 mg/Kg	0.4	0.7	S52685-1	24May22 1030 by 328	25May22 1621 by 328	
Thallium	< 2 mg/Kg	2	4	S52685-1	24May22 1030 by 328	25May22 1621 by 328	
Zinc	< 0.6 mg/Kg	0.5	1	S52685-1	24May22 1030 by 328	25May22 1621 by 328	
Mercury	< 0.05 mg/Kg	0.05	0.1	S52646-1	18May22 1055 by 313	18May22 1518 by 313	



CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

PAGE 1 OF 1

Client: Springdale Water Utilities		PO No. 002234-00		NO. OF BOTTLES		ANALYSES REQUESTED		AIC CONTROL NO: 265660		AIC PROPOSAL NO:		Carrier: FED EX	
Project: Table III		Project: Brad Stewart		Matrix: WATER		PP metals + Mo		PP metals + Mo		Cyanides		Phenolics	
Reference: Table III		Sample Identification		Date/Time Collected		GRA B		COMP		WATER		SOIL	
By: OPS		1 INFLUENT		05/09-10/08		X		X		X		X	
1 INFLUENT		05/09-10/08		X		X		X		X		X	
2 INFLUENT		05/09-10/08		X		X		X		X		X	
3 EFFLUENT		05/12-13/22		X		X		X		X		X	
3 EFFLUENT		05/12-13/22		X		X		X		X		X	
4 EFFLUENT		05/12-13/22		X		X		X		X		X	
5 Belt Press Inflow		05/11/22		X		X		X		X		X	
Container Type		Preservative		NO = none		G = Glass		NO = none		G = Glass		NO = none	
P = Plastic		S = Sulfuric acid pH2		V = VOA vials		N = Nitric acid pH2		H = HCl to pH2		B = NaOH to pH12		T = Sodium Thiosulfate	
Z = Zinc acetate		A = (NH4)2SO4, NH4OH		Received		By:		Date/Time		Date/Time		Date/Time	
Reinquired		By: [Signature]		Date/Time		05/16/22-1044		Received in Lab		By: D. Brown		Date/Time	
Reinquired		By:		Date/Time		1465		Comments:		Springdale AR 72765		Email Address:	

FORM 0080

TRM# 2731 8942 7495

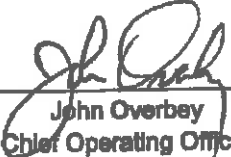


Springdale Water Utilities  
ATTN: Mr. Brad Stewart  
Post Office Box 769  
Springdale, AR 72762

This report contains the analytical results and supporting information for samples received on May 25, 2022. Attached please find a copy of the Chain of Custody and/or other documents received. Note that any remaining sample will be discarded two weeks from the original report date unless other arrangements are made.

This report is intended for the sole use of the client listed above. Assessment of the data requires access to the entire document.

This report has been reviewed by the Chief Operating Officer or a qualified designee.

  
\_\_\_\_\_  
John Overbey      by LP  
Chief Operating Officer

This document has been distributed to the following:

PDF cc: Springdale Water Utilities  
ATTN: Mr. Brad Stewart  
bstewart@springdalewater.com





Springdale Water Utilities  
Post Office Box 769  
Springdale, AR 72762

**SAMPLE INFORMATION**

**Project Description:**

Eight (8) water sample(s) received on May 25, 2022  
Table III

**Receipt Details:**

A Chain of Custody was provided. The samples were delivered in one (1) ice chest. Ice chest #1 was delivered with shipping documentation.

Each sample container was checked for proper labeling, including date and time sampled. Sample containers were reviewed for proper type, adequate volume, integrity, temperature, preservation, and holding times. Any exceptions are noted below:

**Sample Identification:**

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Sampled Date/Time</u>	<u>Notes</u>
265896-1	Influent	17-May-2022 0705	
265896-2	Effluent	20-May-2022 0705	

**Case Narrative:**

There were no qualifiers for this data and all samples met quality control criteria.

**References:**

- "Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).
- "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.
- "Standard Methods for the Examination of Water and Wastewaters", (SM).
- "American Society for Testing and Materials" (ASTM).
- "Association of Analytical Chemists" (AOAC).



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**ANALYTICAL RESULTS**

**AIC No. 265896-1**

**Sample Identification:** Influent 17-May-2022 0705

Note: Analysis was performed on a composite of four (4) samples submitted.

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Mercury, low level EPA 245.7	0.018	0.0050	ug/l	
	Prep: 31-May-2022 1131 by 313	Analyzed: 31-May-2022 1231 by 313	Batch: S52708	

**AIC No. 265896-2**

**Sample Identification:** Effluent 20-May-2022 0705

Note: Analysis was performed on a composite of four (4) samples submitted.

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Mercury, low level EPA 245.7	< 0.0050	0.0050	ug/l	
	Prep: 31-May-2022 1131 by 313	Analyzed: 31-May-2022 1228 by 313	Batch: S52708	



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**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Mercury, low level	0.01 ug/l	106	76.0-113			S52708	31May22 1131 by 313	31May22 1208 by 313		

**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Mercury, low level	265898-2	0.01 ug/l	82.7	63.0-111	S52708	31May22 1131 by 313	31May22 1222 by 313		
	265896-2	0.01 ug/l	110	63.0-111	S52708	31May22 1131 by 313	31May22 1216 by 313		
	Relative Percent Difference:		12.7	18.0		S52708			

**LABORATORY BLANK RESULTS**

Analyte	Result	RL	LOQ	QC Sample	Preparation Date	Analysis Date	Qual
Mercury, low level	< 0.0030 ug/l	0.0030	0.0050	S52708-1	31May22 1131 by 313	31May22 1201 by 313	





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 FAX (501) 224-5072

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

PAGE 2 OF 2

Client	Project	Reference	Project	Manager	Sampled By	AIC No.	Sample Identification	Date/Time Collected	G R A B	C O M P	W A T E R	S O I L	NO OF BOTTLES		ANALYSES REQUESTED	Carrier	Received on (4°C)?	Remarks
													PO No.	NO OF				
Client: SPRINGDALE WATER UTILITIES	Project: TABLE III	Reference: TABLE III	Project: 3000 STEWART	Manager: SEV, TCS, KOB, BAR	Sampled By: SEV, TCS, KOB, BAR	AIC No. 2	Sample Identification: EFFLUENT	Date/Time Collected: 05/14-20/22	G R A B: X	C O M P: X	W A T E R: X	S O I L: X	NO OF BOTTLES: 4	ANALYSES REQUESTED:	Carrier: FEDEX	Received on (4°C)? YES	Remarks: TIMES AS: 105, 105, 105, 105	
<p>Turnaround Time Requested: (Please circle)          NORMAL or EXPEDITED IN _____ DAYS          Expedited results requested by: _____          Who should AIC contact with questions: BAO, STEWART          Phone: 572-722-3257 Fax: beth.bach@springdalewater.com          Report Attention to: BAO STEWART          Report Address to: PO Box 7169          SPRINGDALE, AR 72702</p>																		
<p>Comments: 4 grabs → composite into 1 sample for analysis.</p>																		

AIC CONTROL NO: 245896  
 AIC PROPOSAL NO:  
 Field pH calibration on \_\_\_\_\_  
 Buffer: \_\_\_\_\_  
 T = Sodium Thiosulfate  
 Z = Zinc acetate  
 Received Date/Time: 5-25-22  
 Received in Lab By: [Signature]  
 Date/Time: 1020



August 15, 2022  
Control No. 267927  
Page 1 of 11

Springdale Water Utilities  
ATTN: Mr. Brad Stewart  
Post Office Box 769  
Springdale, AR 72762

This report contains the analytical results and supporting information for samples received on August 9, 2022. Attached please find a copy of the Chain of Custody and/or other documents received. Note that any remaining sample will be discarded two weeks from the original report date unless other arrangements are made.

This report is intended for the sole use of the client listed above. Assessment of the data requires access to the entire document.

This report has been reviewed by the Chief Operating Officer or a qualified designee.

A handwritten signature in cursive script that reads 'Steve Bradford'.

Steve Bradford  
Deputy Laboratory Director

This document has been distributed to the following:

PDF cc: Springdale Water Utilities  
ATTN: Mr. Brad Stewart  
bstewart@springdalewater.com



Springdale Water Utilities  
Post Office Box 789  
Springdale, AR 72762

**SAMPLE INFORMATION**

**Project Description:**

Five (5) water sample(s) received on August 9, 2022  
Table II & III

**Receipt Details:**

A Chain of Custody was provided. The samples were delivered in one (1) ice chest.  
Ice chest #1 was delivered with shipping documentation.

Each sample container was checked for proper labeling, including date and time sampled. Sample containers were reviewed for proper type, adequate volume, integrity, temperature, preservation, and holding times. Any exceptions are noted below:

**Sample Identification:**

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Sampled Date/Time</u>	<u>Notes</u>
267927-1	SWWTF Influent	08-Aug-2022 0800	
267927-2	SWWTF Influent	08-Aug-2022 0800	

**Qualifiers:**

- D Result is from a secondary dilution factor
- J Result is less than the quantitation limit but greater than LOD

**References:**

- "Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).
- "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.
- "Standard Methods for the Examination of Water and Wastewaters", (SM).
- "American Society for Testing and Materials" (ASTM).
- "Association of Analytical Chemists" (AOAC).



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**ANALYTICAL RESULTS**

**AIC No. 267927-1**

**Sample Identification: SWWTF Influent 08-Aug-2022 0800**

Analyte	Result	RL	Units	Qualifier
<b>Total Recoverable Phenolics</b> EPA 420.1	<b>0.36</b> Analyzed: 15-Aug-2022 0815 by 375	<b>0.05</b>	<b>mg/l</b> Batch: W80513	<b>D</b> Dil: 10
<b>Total Cyanide</b> SM 4500-CN C,E 2016	<b>&lt; 0.02</b> Analyzed: 11-Aug-2022 0835 by 352	<b>0.02</b>	<b>mg/l</b> Batch: W80467	<b>D</b> Dil: 2

**AIC No. 267927-2**

**Sample Identification: SWWTF Influent 08-Aug-2022 0800**

**Note: Analysis was performed on a composite of four (4) samples submitted.**

Analyte	Result	RL	Units	Qualifier
<b>Volatile Organic Compounds By EPA 624.1</b>				
<b>Acrolein</b> EPA 624.1	<b>&lt; 50</b> Analyzed: 10-Aug-2022 1954 by 271	<b>50</b>	<b>ug/l</b> Batch: V10344	
<b>Acrylonitrile</b> EPA 624.1	<b>&lt; 20</b> Analyzed: 10-Aug-2022 1954 by 271	<b>20</b>	<b>ug/l</b> Batch: V10344	
<b>Benzene</b> EPA 624.1	<b>&lt; 10</b> Analyzed: 10-Aug-2022 1954 by 271	<b>10</b>	<b>ug/l</b> Batch: V10344	
<b>Bromoform</b> EPA 624.1	<b>&lt; 10</b> Analyzed: 10-Aug-2022 1954 by 271	<b>10</b>	<b>ug/l</b> Batch: V10344	
<b>Carbon tetrachloride</b> EPA 624.1	<b>&lt; 2.0</b> Analyzed: 10-Aug-2022 1954 by 271	<b>2.0</b>	<b>ug/l</b> Batch: V10344	
<b>Chlorobenzene</b> EPA 624.1	<b>&lt; 10</b> Analyzed: 10-Aug-2022 1954 by 271	<b>10</b>	<b>ug/l</b> Batch: V10344	
<b>Chlorodibromomethane</b> EPA 624.1	<b>&lt; 10</b> Analyzed: 10-Aug-2022 1954 by 271	<b>10</b>	<b>ug/l</b> Batch: V10344	
<b>Chloroethane</b> EPA 624.1	<b>&lt; 50</b> Analyzed: 10-Aug-2022 1954 by 271	<b>50</b>	<b>ug/l</b> Batch: V10344	
<b>2-Chloroethyl vinyl ether</b> EPA 624.1	<b>&lt; 10</b> Analyzed: 10-Aug-2022 1954 by 271	<b>10</b>	<b>ug/l</b> Batch: V10344	
<b>Chloroform</b> EPA 624.1	<b>&lt; 10</b> Analyzed: 10-Aug-2022 1954 by 271	<b>10</b>	<b>ug/l</b> Batch: V10344	
<b>1,2-Dichlorobenzene</b> EPA 624.1	<b>&lt; 10</b> Analyzed: 10-Aug-2022 1954 by 271	<b>10</b>	<b>ug/l</b> Batch: V10344	
<b>1,3-Dichlorobenzene</b> EPA 624.1	<b>&lt; 10</b> Analyzed: 10-Aug-2022 1954 by 271	<b>10</b>	<b>ug/l</b> Batch: V10344	
<b>1,4-Dichlorobenzene</b> EPA 624.1	<b>&lt; 10</b> Analyzed: 10-Aug-2022 1954 by 271	<b>10</b>	<b>ug/l</b> Batch: V10344	
<b>Dichlorobromomethane</b> EPA 624.1	<b>&lt; 10</b> Analyzed: 10-Aug-2022 1954 by 271	<b>10</b>	<b>ug/l</b> Batch: V10344	
<b>1,1-Dichloroethane</b> EPA 624.1	<b>&lt; 10</b> Analyzed: 10-Aug-2022 1954 by 271	<b>10</b>	<b>ug/l</b> Batch: V10344	





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**ANALYTICAL RESULTS**

AIC No. 267927-2 (Continued)

Sample Identification: SWWTF Influent 08-Aug-2022 0800

Analyte	Result	RL	Units	Qualifier
<b>Volatile Organic Compounds By EPA 624.1 (Continued)</b>				
<b>1,2-Dichloroethane</b> EPA 624.1	< 10 Analyzed: 10-Aug-2022 1954 by 271	10	ug/l Batch: V10344	
<b>1,1-Dichloroethylene</b> EPA 624.1	< 10 Analyzed: 10-Aug-2022 1954 by 271	10	ug/l Batch: V10344	
<b>trans-1,2-Dichloroethylene</b> EPA 624.1	< 10 Analyzed: 10-Aug-2022 1954 by 271	10	ug/l Batch: V10344	
<b>1,2-Dichloropropane</b> EPA 624.1	< 10 Analyzed: 10-Aug-2022 1954 by 271	10	ug/l Batch: V10344	
<b>1,3-Dichloropropylene (Total)</b> EPA 624.1	< 10 Analyzed: 10-Aug-2022 1954 by 271	10	ug/l Batch: V10344	
<b>Ethylbenzene</b> EPA 624.1	< 10 Analyzed: 10-Aug-2022 1954 by 271	10	ug/l Batch: V10344	
<b>Methyl bromide(Bromomethane)</b> EPA 624.1	< 50 Analyzed: 10-Aug-2022 1954 by 271	50	ug/l Batch: V10344	
<b>Methyl chloride(Chloromethane)</b> EPA 624.1	< 50 Analyzed: 10-Aug-2022 1954 by 271	50	ug/l Batch: V10344	
<b>Methylene chloride</b> EPA 624.1	< 20 Analyzed: 10-Aug-2022 1954 by 271	20	ug/l Batch: V10344	
<b>1,1,2,2-Tetrachloroethane</b> EPA 624.1	< 10 Analyzed: 10-Aug-2022 1954 by 271	10	ug/l Batch: V10344	
<b>Tetrachloroethylene</b> EPA 624.1	< 10 Analyzed: 10-Aug-2022 1954 by 271	10	ug/l Batch: V10344	
<b>Toluene</b> EPA 624.1	< 10 Analyzed: 10-Aug-2022 1954 by 271	10	ug/l Batch: V10344	
<b>1,1,1-Trichloroethane</b> EPA 624.1	< 10 Analyzed: 10-Aug-2022 1954 by 271	10	ug/l Batch: V10344	
<b>1,1,2-Trichloroethane</b> EPA 624.1	< 10 Analyzed: 10-Aug-2022 1954 by 271	10	ug/l Batch: V10344	
<b>Trichloroethylene</b> EPA 624.1	< 10 Analyzed: 10-Aug-2022 1954 by 271	10	ug/l Batch: V10344	
<b>Vinyl chloride</b> EPA 624.1	< 10 Analyzed: 10-Aug-2022 1954 by 271	10	ug/l Batch: V10344	
<b>Surrogate: 4-Bromofluorobenzene (87.2-109%)</b> EPA 624.1	91.7 Analyzed: 10-Aug-2022 1954 by 271		% Batch: V10344	
<b>Surrogate: Dibromofluoromethane (96.9-111%)</b> EPA 624.1	101 Analyzed: 10-Aug-2022 1954 by 271		% Batch: V10344	
<b>Surrogate: Toluene-D8 (89.2-109%)</b> EPA 624.1	98.5 Analyzed: 10-Aug-2022 1954 by 271		% Batch: V10344	



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**DUPLICATE RESULTS**

Analyte	AIC No.	Result	RPD	RPD Limit	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	267908-1	20 mg/l			10Aug22 0814 by 376	11Aug22 0832 by 352	250	D
	Batch: W80467 Duplicate	20 mg/l	1.46	16.8	10Aug22 1511 by 362	11Aug22 0834 by 352	250	D



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**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Recoverable Phenolics	0.1 mg/l	92.8	74.8-121			W80513		15Aug22 0815 by 375		
Total Cyanide	0.1 mg/l	91.0	81.9-118			W80467	10Aug22 1511 by 352	11Aug22 0829 by 352		
	0.1 mg/l	97.0	81.9-118	6.38	13.2	W80467	10Aug22 1511 by 352	11Aug22 0830 by 352		
<b>Volatle Organic Compounds</b>										
Acrolein	250 ug/l	100	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
Acrylonitrile	250 ug/l	101	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
Benzene	50 ug/l	103	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
Bromodichloromethane	50 ug/l	110	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
Bromoform	50 ug/l	108	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
Bromomethane	50 ug/l	104	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
Carbon tetrachloride	50 ug/l	111	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
Chlorobenzene	50 ug/l	108	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
Chloroethene	50 ug/l	107	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
2-Chloroethyl vinyl ether	100 ug/l	83.8	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
Chloroform	50 ug/l	106	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
Chloromethane	50 ug/l	100	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
Dibromochloromethane	50 ug/l	99.5	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
1,2-Dichlorobenzene	50 ug/l	109	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
1,3-Dichlorobenzene	50 ug/l	110	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
1,4-Dichlorobenzene	50 ug/l	110	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
1,1-Dichloroethane	50 ug/l	108	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
1,2-Dichloroethane	50 ug/l	105	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
1,1-Dichloroethane	50 ug/l	104	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
trans-1,2-Dichloroethene	50 ug/l	106	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
1,2-Dichloropropane	50 ug/l	106	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
1,3-Dichloropropylene (Total)	100 ug/l	113	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
Ethylbenzene	50 ug/l	116	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
Methylene chloride	50 ug/l	103	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
1,1,2,2-Tetrachloroethane	50 ug/l	101	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
Tetrachloroethene	50 ug/l	110	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
Toluene	50 ug/l	109	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
1,1,1-Trichloroethane	50 ug/l	110	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
1,1,2-Trichloroethane	50 ug/l	105	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
Trichloroethene	50 ug/l	109	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
Vinyl chloride	50 ug/l	108	70.0-130			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
<b>Volatle Organic Compounds Surrogates:</b>										
4-Bromofluorobenzene	10 ug/l	102	85.9-112			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
Dibromofluoromethane	10 ug/l	98.9	90.9-109			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		
Toluene-D8	10 ug/l	102	87.2-112			V10344	10Aug22 1755 by 271	10Aug22 1755 by 271		



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August 15, 2022  
Control No. 267927  
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Springdale Water Utilities  
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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Recoverable Phenolics	267882-1	0.1 mg/l	84.6	62.0-123	W80513		15Aug22 0815 by 375		
	267882-1	0.1 mg/l	81.4	62.0-123	W80513		15Aug22 0815 by 375		
	Relative Percent Difference:		3.42	10.0	W80513				
<b>Volatile Organic Compounds</b>									
Acrolein	267847-1	250 ug/l	106	40.0-160	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	250 ug/l	104	40.0-160	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		2.43	60.0	V10344				
Acrylonitrile	267847-1	250 ug/l	111	40.0-180	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	250 ug/l	109	40.0-160	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		2.02	60.0	V10344				
Benzene	267847-1	50 ug/l	103	37.0-151	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	102	37.0-151	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		0.993	61.0	V10344				
Bromodichloromethane	267847-1	50 ug/l	110	35.0-155	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	110	35.0-155	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		0.707	56.0	V10344				
Bromoform	267847-1	50 ug/l	109	45.0-169	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	109	45.0-169	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		0.0917	42.0	V10344				
Bromomethane	267847-1	50 ug/l	75.2	1.00-242	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	87.4	1.00-242	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		15.0	61.0	V10344				
Carbon tetrachloride	267847-1	50 ug/l	109	70.0-140	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	105	70.0-140	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		3.17	41.0	V10344				
Chlorobenzene	267847-1	50 ug/l	108	37.0-160	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	106	37.0-160	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		1.73	53.0	V10344				
Chloroethane	267847-1	50 ug/l	107	14.0-230	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	97.7	14.0-230	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		8.82	78.0	V10344				
2-Chloroethyl vinyl ether	267847-1	100 ug/l	110	1.00-305	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	100 ug/l	111	1.00-305	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		0.566	71.0	V10344				
Chloroform	267847-1	50 ug/l	108	51.0-138	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	106	51.0-138	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		1.52	54.0	V10344				
Chloromethane	267847-1	50 ug/l	97.3	1.00-273	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	93.2	1.00-273	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		4.33	60.0	V10344				
Dibromochloromethane	267847-1	50 ug/l	98.8	53.0-149	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	98.8	53.0-149	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		0.274	50.0	V10344				
1,2-Dichlorobenzene	267847-1	50 ug/l	109	18.0-190	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	107	18.0-190	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		1.86	57.0	V10344				
1,3-Dichlorobenzene	267847-1	50 ug/l	107	59.0-156	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	106	59.0-156	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		1.19	43.0	V10344				



Springdale Water Utilities  
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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	DI	Qual
<b>Volatile Organic Compounds (Continued)</b>									
1,4-Dichlorobenzene	267847-1	50 ug/l	107	18.0-190	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	107	18.0-190	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		0.595	57.0	V10344				
1,1-Dichloroethane	267847-1	50 ug/l	110	59.0-155	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	108	59.0-155	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		1.42	40.0	V10344				
1,2-Dichloroethane	267847-1	50 ug/l	108	49.0-155	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	106	49.0-155	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		2.40	49.0	V10344				
1,1-Dichloroethene	267847-1	50 ug/l	102	1.00-234	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	102	1.00-234	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		0.404	32.0	V10344				
trans-1,2-Dichloroethane	267847-1	50 ug/l	108	54.0-156	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	105	54.0-156	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		0.967	45.0	V10344				
1,2-Dichloropropane	267847-1	50 ug/l	106	1.00-210	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	106	1.00-210	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		0.0720	55.0	V10344				
1,3-Dichloropropylene (Total)	267847-1	100 ug/l	113	63.6-140	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	100 ug/l	112	63.6-140	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		0.977	86.0	V10344				
Ethylbenzene	267847-1	50 ug/l	114	37.0-162	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	113	37.0-162	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		1.09	63.0	V10344				
Methylene chloride	267847-1	50 ug/l	104	1.00-221	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	104	1.00-221	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		0.754	28.0	V10344				
1,1,2,2-Tetrachloroethane	267847-1	50 ug/l	107	46.0-157	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	104	46.0-157	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		2.73	61.0	V10344				
Tetrachloroethene	267847-1	50 ug/l	107	64.0-148	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	108	64.0-148	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		1.71	39.0	V10344				
Toluene	267847-1	50 ug/l	110	47.0-150	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	109	47.0-150	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		1.20	41.0	V10344				
1,1,1-Trichloroethane	267847-1	50 ug/l	109	52.0-162	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	107	52.0-162	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		1.84	36.0	V10344				
1,1,2-Trichloroethane	267847-1	50 ug/l	113	52.0-150	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	110	52.0-150	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		2.32	45.0	V10344				
Trichloroethene	267847-1	50 ug/l	108	70.0-157	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	105	70.0-157	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		2.99	48.0	V10344				
Vinyl chloride	267847-1	50 ug/l	103	1.00-251	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	50 ug/l	102	1.00-251	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
	Relative Percent Difference:		1.33	66.0	V10344				



Springdale Water Utilities  
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Springdale, AR 72762

**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	DII	Qual
<b>Volatile Organic Compounds (Continued)</b>									
<b>Volatile Organic Compounds Surrogates:</b>									
4-Bromofluorobenzene	267847-1	10 ug/l	104	87.2-109	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	10 ug/l	103	87.2-109	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
Dibromofluoromethane	267847-1	10 ug/l	97.6	96.9-111	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	10 ug/l	102	96.9-111	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D
Toluene-D8	267847-1	10 ug/l	102	86.2-109	V10344	10Aug22 2252 by 271	10Aug22 2252 by 271	100	D
	267847-1	10 ug/l	100	86.2-109	V10344	10Aug22 2322 by 271	10Aug22 2322 by 271	100	D



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**LABORATORY BLANK RESULTS**

Analyte	Result	RL	LOQ	QC Sample	Preparation Date	Analysis Date	Qual
Total Recoverable Phenolics	< 0.0050 mg/l	0.0050	0.005	W80513-1		15Aug22 0816 by 375	
Total Cyanide	< 0.0076 mg/l	0.0076	0.01	W80467-1	10Aug22 1511 by 352	11Aug22 0827 by 352	
<b>Volatile Organic Compounds</b>							
Acrolein	< 20 ug/l	20	20	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
Acrylonitrile	< 5.6 ug/l	5.6	10	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
Benzene	< 2.5 ug/l	2.5	5.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
Bromoform	< 2.5 ug/l	2.5	5.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
Carbon tetrachloride	< 1.8 ug/l	1.8	2.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
Chlorobenzene	< 2.5 ug/l	2.5	5.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
Chlorodibromomethane	< 2.5 ug/l	2.5	5.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
Chloroethane	4.1 ug/l	2.9	5.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	J
2-Chloroethyl vinyl ether	< 5.0 ug/l	5.0	10	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
Chloroform	< 2.1 ug/l	2.1	4.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
1,2-Dichlorobenzene	< 2.5 ug/l	2.5	5.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
1,3-Dichlorobenzene	< 2.5 ug/l	2.6	5.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
1,4-Dichlorobenzene	< 2.5 ug/l	2.5	5.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
Dichlorobromomethane	< 2.5 ug/l	2.5	5.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
1,1-Dichloroethane	< 2.5 ug/l	2.5	5.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
1,2-Dichloroethane	< 2.5 ug/l	2.5	5.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
1,1-Dichloroethylene	< 2.6 ug/l	2.6	5.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
trans-1,2-Dichloroethylene	< 1.5 ug/l	1.5	2.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
1,2-Dichloropropane	< 2.5 ug/l	2.5	5.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
1,3-Dichloropropylene (Total)	< 5.0 ug/l	5.0	5.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
Ethylbenzene	< 2.5 ug/l	2.5	5.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
Methyl bromide(Bromomethane)	< 2.8 ug/l	2.8	5.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
Methyl chloride(Chloromethane)	< 2.7 ug/l	2.7	5.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
Methylene chloride	< 4.7 ug/l	4.7	5.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
1,1,2,2-Tetrachloroethane	< 2.5 ug/l	2.5	5.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
Tetrachloroethylene	< 2.6 ug/l	2.6	5.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
Toluene	< 3.2 ug/l	3.2	5.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
1,1,1-Trichloroethane	< 2.5 ug/l	2.5	5.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
1,1,2-Trichloroethane	< 2.5 ug/l	2.5	5.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
Trichloroethylene	< 2.5 ug/l	2.5	5.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
Vinyl chloride	< 1.6 ug/l	1.6	2.0	V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
<b>Volatile Organic Compounds Surrogates:</b>							
4-Bromofluorobenzene (85.9-112%)	94.9 %			V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
Dibromofluoromethane (90.9-109%)	100 %			V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	
Toluene-D8 (87.2-112%)	97.8 %			V10344-1	10Aug22 1924 by 271	10Aug22 1924 by 271	





CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

PAGE 1 OF 1

Client: Springdale Water Utilities		AIC CONTROL NO: 267927	
Project Reference: Table II + III		AIC PROPOSAL NO:	
Project Manager: Brad Stewart		Carrier: FX	
Sampled By: Operations Staff		Received on ice? <input checked="" type="checkbox"/> Temp. 21.3 °C	
AIC No.		Remarks	
1 SWWTF Influent 08/07-08/22			
1 SWWTF Influent 08/07-08/22			
2 SWWTF Influent 08/07-08/22			
Container Type		Field pH calibration	
Preservative		on @	
Buffer:			
G = Glass NO = none		T = Sodium Thiosulfate	
P = Plastic		Z = Zinc acetate	
NO = none		A = (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> , NH <sub>4</sub> OH	
S = Sulfuric acid pH2		H = HCl to pH2	
V = VOA vials		B = NaOH to pH12	
N = Nitric acid pH2			
NO OF BOTTLES		ANALYSES REQUESTED	
1		Phenolics	
1		Cyanide	
4		VOA.624	
MATRIX			
WATER			
SOIL			
COMPOST			
GRA B			
X			
X			
X			
Container Type		P G V	
Preservative		B S ND	
Date/Time Collected		Date/Time Received	
08/07-08/22		08/08/22-1321	
08/07-08/22			
08/07-08/22			
Date/Time Collected		Date/Time Received	
08/07-08/22		08-9-22	
08/07-08/22		1543	
08/07-08/22			
Requiring		Received in Lab	
By: [Signature]		By: [Signature]	
Requiring		Comments:	
By: [Signature]		Ex: 27652783 9912	
Turnaround Time Requested: (Please circle)		FORM 0080	
NORMAL or EXPEDITED IN _____ DAYS			
Expected results requested by: 1/9			
Who should AIC contact with questions: Brad Stewart			
Contact Phone: (479) 756-3659			
Report Attention to: Brad Stewart PO Box 769			
Springdale, AR 72765			
Email Address: bstewart@springdalewater.com			



August 23, 2022  
Control No. 268114  
Page 1 of 4

Springdale Water Utilities  
ATTN: Mr. Brad Stewart  
Post Office Box 769  
Springdale, AR 72762

This report contains the analytical results and supporting information for samples received on August 16, 2022. Attached please find a copy of the Chain of Custody and/or other documents received. Note that any remaining sample will be discarded two weeks from the original report date unless other arrangements are made.

This report is intended for the sole use of the client listed above. Assessment of the data requires access to the entire document.

This report has been reviewed by the Chief Operating Officer or a qualified designee.

A handwritten signature in cursive script that reads 'Steve Bradford'.

Steve Bradford  
Deputy Laboratory Director

This document has been distributed to the following:

PDF cc: Springdale Water Utilities  
ATTN: Mr. Brad Stewart  
bstewart@springdalewater.com



Springdale Water Utilities  
Post Office Box 769  
Springdale, AR 72762

**SAMPLE INFORMATION**

**Project Description:**

Eight (8) water sample(s) received on August 16, 2022  
Mercury  
P.O. No. 002239400

**Receipt Details:**

A Chain of Custody was provided. The samples were delivered in one (1) ice chest.  
Ice chest #1 was delivered with shipping documentation.

Each sample container was checked for proper labeling, including date and time sampled. Sample containers were reviewed for proper type, adequate volume, integrity, temperature, preservation, and holding times. Any exceptions are noted below:

**Sample Identification:**

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Sampled Date/Time</u>	<u>Notes</u>
268114-1	Influent	09-Aug-2022 0706	
268114-2	Effluent	12-Aug-2022 0703	

**Case Narrative:**

There were no qualifiers for this data and all samples met quality control criteria.

**References:**

- "Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).
- "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.
- "Standard Methods for the Examination of Water and Wastewaters", (SM).
- "American Society for Testing and Materials" (ASTM).
- "Association of Analytical Chemists" (AOAC).



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Post Office Box 769  
Springdale, AR 72762

**ANALYTICAL RESULTS**

**AIC No. 268114-1**

**Sample Identification:** Influent 09-Aug-2022 0706

**Note:** Analysis was performed on a composite of four (4) samples submitted.

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Mercury, low level EPA 246.7	0.0088	0.0050	ug/l	
	Prep: 23-Aug-2022 1028 by 313	Analyzed: 23-Aug-2022 1230 by 313	Batch: S53072	

**AIC No. 268114-2**

**Sample Identification:** Effluent 12-Aug-2022 0703

**Note:** Analysis was performed on a composite of four (4) samples submitted.

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Mercury, low level EPA 246.7	< 0.0050	0.0050	ug/l	
	Prep: 23-Aug-2022 1028 by 313	Analyzed: 23-Aug-2022 1225 by 313	Batch: S53072	



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**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	DII	Qual
Mercury, low level	0.01 ug/l	99.3	76.0-113			S53072	23Aug22 1028 by 313	23Aug22 1348 by 313		

**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	DII	Qual
Mercury, low level	288114-2	0.01 ug/l	94.8	63.0-111	S53072	23Aug22 1028 by 313	23Aug22 1215 by 313		
	288114-2	0.01 ug/l	95.3	63.0-111	S53072	23Aug22 1028 by 313	23Aug22 1220 by 313		
Relative Percent Difference:			0.505	18.0	S53072				

**LABORATORY BLANK RESULTS**

Analyte	Result	RL	LOQ	QC Sample	Preparation Date	Analysis Date	Qual
Mercury, low level	< 0.0030 ug/l	0.0030	0.0050	S53072-1	23Aug22 1028 by 313	23Aug22 1208 by 313	







Springdale Water Utilities  
ATTN: Mr. Brad Stewart  
Post Office Box 789  
Springdale, AR 72762

*Inf  
Eff  
Bef + Pres  
Table II/II*

August 26, 2022  
Control No. 268039  
Page 1 of 51

This report contains the analytical results and supporting information for samples received on August 12, 2022. Attached please find a copy of the Chain of Custody and/or other documents received. Note that any remaining sample will be discarded two weeks from the original report date unless other arrangements are made.

This report is intended for the sole use of the client listed above. Assessment of the data requires access to the entire document.

This report has been reviewed by the Chief Operating Officer or a qualified designee.

A handwritten signature in cursive script that reads 'Steve Bradford'.

Steve Bradford  
Deputy Laboratory Director

This document has been distributed to the following:

PDF cc: Springdale Water Utilities  
ATTN: Mr. Brad Stewart  
bstewart@springdalewater.com





Springdale Water Utilities  
Post Office Box 769  
Springdale, AR 72762

**SAMPLE INFORMATION**

**Project Description:**

Two (2) water and one (1) sludge sample(s) received on August 12, 2022  
Table II / III  
P.O. No. 002239400

**Receipt Details:**

A Chain of Custody was provided. The samples were delivered in one (1) ice chest. Ice chest #1 was delivered with shipping documentation.

Each sample container was checked for proper labeling, including date and time sampled. Sample containers were reviewed for proper type, adequate volume, integrity, temperature, preservation, and holding times. Any exceptions are noted below:

**Sample Identification:**

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Sampled Date/Time</u>	<u>Notes</u>
268039-1	SWWTF Influent	09-Aug-2022 1400	
268039-2	SWWTF Effluent	11-Aug-2022 0200	
268039-3	SWWTF Belt Press Influent	10-Aug-2022 1442	

**Qualifiers:**

- D Result is from a secondary dilution factor
- Q Analyte is not within quality control limits
- R n-Nitrosodiphenylamine cannot be separated from diphenylamine
- X Spiking level is invalid due to the high concentration of analyte in the spiked sample

**Case Narrative:**

The matrix spike recovery for Volatile Organic Compounds failed to meet acceptance criteria due to matrix interference. Elevated reporting limits for Base/Neutral and Acid Compounds are due to matrix interference. Matrix spike results are not available for Base/Neutral and Acid Compounds due to interferences with the spiked sample.

Analysis of soils/sludges are reported on a dry-weight basis unless specified.

**References:**

- "Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).
- "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.
- "Standard Methods for the Examination of Water and Wastewaters", (SM).
- "American Society for Testing and Materials" (ASTM).
- "Association of Analytical Chemists" (AOAC).

Springdale Water Utilities  
Post Office Box 769  
Springdale, AR 72762

**ANALYTICAL RESULTS**

**AIC No. 268039-1**

**Sample Identification: SWWTF Influent 09-Aug-2022 1400**

**Note: Elevated reporting limits for Organochlorine Pesticides are due to matrix interference.**

<u>Analyte</u>		<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
<b>Antimony</b> EPA 200.8	Prep: 15-Aug-2022 0837 by 313	< 60	80	ug/l	
		Analyzed: 15-Aug-2022 1350 by 313		Batch: S53036	
<b>Arsenic</b> EPA 200.8	Prep: 15-Aug-2022 0837 by 313	38	0.5	ug/l	
		Analyzed: 15-Aug-2022 1350 by 313		Batch: S53036	
<b>Beryllium</b> EPA 200.8	Prep: 16-Aug-2022 0837 by 313	< 0.5	0.5	ug/l	
		Analyzed: 16-Aug-2022 1350 by 313		Batch: S53036	
<b>Cadmium</b> EPA 200.8	Prep: 15-Aug-2022 0837 by 313	< 0.5	0.5	ug/l	
		Analyzed: 15-Aug-2022 1350 by 313		Batch: S53036	
<b>Chromium</b> EPA 200.8	Prep: 15-Aug-2022 0837 by 313	< 10	10	ug/l	
		Analyzed: 16-Aug-2022 1350 by 313		Batch: S53036	
<b>Copper</b> EPA 200.8	Prep: 15-Aug-2022 0837 by 313	25	0.5	ug/l	
		Analyzed: 15-Aug-2022 1350 by 313		Batch: S53036	
<b>Lead</b> EPA 200.8	Prep: 15-Aug-2022 0837 by 313	0.54	0.5	ug/l	
		Analyzed: 15-Aug-2022 1350 by 313		Batch: S53036	
<b>Molybdenum</b> EPA 200.8	Prep: 15-Aug-2022 0837 by 313	< 10	10	ug/l	
		Analyzed: 15-Aug-2022 1350 by 313		Batch: S53036	
<b>Nickel</b> EPA 200.8	Prep: 15-Aug-2022 0837 by 313	6.4	0.5	ug/l	
		Analyzed: 15-Aug-2022 1350 by 313		Batch: S53036	
<b>Selenium</b> EPA 200.8	Prep: 15-Aug-2022 0837 by 313	< 5	5	ug/l	
		Analyzed: 15-Aug-2022 1350 by 313		Batch: S53036	
<b>Silver</b> EPA 200.8	Prep: 15-Aug-2022 0837 by 313	< 0.5	0.5	ug/l	
		Analyzed: 15-Aug-2022 1350 by 313		Batch: S53036	
<b>Thallium</b> EPA 200.8	Prep: 15-Aug-2022 0837 by 313	< 0.5	0.5	ug/l	
		Analyzed: 15-Aug-2022 1350 by 313		Batch: S53036	
<b>Zinc</b> EPA 200.8	Prep: 15-Aug-2022 0837 by 313	120	100	ug/l	D
		Analyzed: 15-Aug-2022 1418 by 313		Batch: S53036	Dil: 5
<b>Base/Neutral and Acid Compounds By EPA 625.1</b>					
<b>Acenaphthene</b> EPA 625.1	Prep: 16-Aug-2022 0836 by 348	< 50	50	ug/l	D
		Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Acenaphthylene</b> EPA 625.1	Prep: 16-Aug-2022 0836 by 348	< 50	50	ug/l	D
		Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Anthracene</b> EPA 625.1	Prep: 16-Aug-2022 0836 by 348	< 50	50	ug/l	D
		Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Benzidine</b> EPA 625.1	Prep: 16-Aug-2022 0836 by 348	< 500	500	ug/l	D
		Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Benzo(a)anthracene</b> EPA 625.1	Prep: 16-Aug-2022 0836 by 348	< 50	50	ug/l	D
		Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Benzo(a)pyrene</b> EPA 625.1	Prep: 16-Aug-2022 0836 by 348	< 50	50	ug/l	D
		Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10

Springdale Water Utilities  
 Post Office Box 769  
 Springdale, AR 72762

**ANALYTICAL RESULTS**

AIC No. 268039-1 (Continued)

Sample Identification: SWWTF Influent 09-Aug-2022 1400

Analyte	Result	RL	Units	Qualifier
<b>Base/Neutral and Acid Compounds By EPA 625.1 (Continued)</b>				
<b>Benzo(g,h,i)perylene</b> EPA 625.1	< 100	100	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Benzo(k)fluoranthene</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>3,4-Benzofluoranthene</b> EPA 625.1	< 100	100	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Bis(2-chloroethoxy)methane</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Bis(2-chloroethyl)ether</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Bis(2-chloroisopropyl)ether</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Bis(2-ethylhexyl)phthalate</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>4-Bromophenyl phenyl ether</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Butylbenzyl phthalate</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>2-Chloronaphthalene</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>2-Chlorophenol</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>4-Chlorophenyl phenyl ether</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Chrysene</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Di-n-butyl phthalate</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Di-n-octyl phthalate</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Dibenz(a,h)anthracene</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>1,2-Dichlorobenzene</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>1,3-Dichlorobenzene</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>1,4-Dichlorobenzene</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>3,3'-Dichlorobenzidine</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10

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**ANALYTICAL RESULTS**

AIC No. 268039-1 (Continued)

Sample Identification: SWWTF Influent 09-Aug-2022 1400

Analyte	Result	RL	Units	Qualifier
<b>Base/Neutral and Acid Compounds By EPA 625.1 (Continued)</b>				
<b>2,4-Dichlorophenol</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Diethyl phthalate</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Dimethyl phthalate</b> EPA 625.1	< 40	40	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>2,4-Dimethylphenol</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>4,6-Dinitro-o-cresol</b> EPA 625.1	< 100	100	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>2,4-Dinitrophenol</b> EPA 625.1	< 100	100	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>2,4-Dinitrotoluene</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>2,6-Dinitrotoluene</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>1,2-Diphenylhydrazine</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Fluoranthene</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Fluorene</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Hexachlorobenzene</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Hexachlorobutadiene</b> EPA 625.1	< 20	20	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Hexachlorocyclopentadiene</b> EPA 625.1	< 100	100	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Hexachloroethane</b> EPA 625.1	< 40	40	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Indeno(1,2,3-cd)pyrene</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Isophorone</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>n-Nitrosodi-n-propylamine</b> EPA 625.1	< 100	100	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>n-Nitrosodimethylamine</b> EPA 625.1	< 100	100	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>n-Nitrosodiphenylamine</b> EPA 625.1	< 100	100	ug/l	DR
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10

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**ANALYTICAL RESULTS**

AIC No. 268039-1 (Continued)

Sample Identification: SWWTF Influent 09-Aug-2022 1400

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
<b>Base/Neutral and Acid Compounds By EPA 625.1 (Continued)</b>				
<b>Naphthalene</b> EPA 625.1	< 40	40	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Nitrobenzene</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>2-Nitrophenol</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>4-Nitrophenol</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>p-Chloro-m-cresol</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Pentachlorophenol</b> EPA 625.1	< 50	50	ug/l	D
Prep: 18-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Phenanthrene</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Phenol</b> EPA 625.1	< 40	40	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Pyrene</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>1,2,4-Trichlorobenzene</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>2,4,6-Trichlorophenol</b> EPA 625.1	< 50	50	ug/l	D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Surrogate: 2-Fluorobiphenyl (Diluted Out)</b> EPA 625.1	-			D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Surrogate: 2-Fluorophenol (Diluted Out)</b> EPA 625.1	-			D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Surrogate: Nitrobenzene-D5 (Diluted Out)</b> EPA 625.1	-			D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Surrogate: Terphenyl-D14 (Diluted Out)</b> EPA 625.1	-			D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Surrogate: 2,4,6-Tribromophenol (Diluted Out)</b> EPA 625.1	-			D
Prep: 16-Aug-2022 0836 by 348	Analyzed: 19-Aug-2022 1826 by 271		Batch: B12923	Dil: 10
<b>Organochlorine Pesticides and PCBs By EPA 608.3</b>				
<b>Aldrin</b> EPA 608.3	< 0.10	0.10	ug/l	D
Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271		Batch: G12132	Dil: 10
<b>alpha-BHC</b> EPA 608.3	< 0.50	0.50	ug/l	D
Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271		Batch: G12132	Dil: 10
<b>alpha-Endosulfan</b> EPA 608.3	< 0.10	0.10	ug/l	D
Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271		Batch: G12132	Dil: 10

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ANALYTICAL RESULTS

AIC No. 268039-1 (Continued)

Sample Identification: SWWTF Influent 09-Aug-2022 1400

Analyte	Result	RL	Units	Qualifier
<b>Organochlorine Pesticides and PCBs By EPA 608.3 (Continued)</b>				
<b>beta-BHC</b> EPA 608.3	< 0.50	0.50	ug/l	D
Prep: 15-Aug-2022 1038 by 348	Analyzed: 19-Aug-2022 1314 by 271		Batch: G12132	Dil: 10
<b>beta-Endosulfan</b> EPA 608.3	< 0.20	0.20	ug/l	D
Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271		Batch: G12132	Dil: 10
<b>cis-Chlordane</b> EPA 608.3	< 2.0	2.0	ug/l	D
Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271		Batch: G12132	Dil: 10
<b>trans-Chlordane</b> EPA 608.3	< 2.0	2.0	ug/l	D
Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271		Batch: G12132	Dil: 10
<b>Chlorpyrifos</b> EPA 608.3	< 0.70	0.70	ug/l	D
Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271		Batch: G12132	Dil: 10
<b>4,4'-DDD</b> EPA 608.3	< 1.0	1.0	ug/l	D
Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271		Batch: G12132	Dil: 10
<b>4,4'-DDE</b> EPA 608.3	< 1.0	1.0	ug/l	D
Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271		Batch: G12132	Dil: 10
<b>4,4'-DDT</b> EPA 608.3	< 0.20	0.20	ug/l	D
Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271		Batch: G12132	Dil: 10
<b>delta-BHC</b> EPA 608.3	< 0.50	0.50	ug/l	D
Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271		Batch: G12132	Dil: 10
<b>Dieldrin</b> EPA 608.3	< 0.20	0.20	ug/l	D
Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271		Batch: G12132	Dil: 10
<b>Endosulfan sulfate</b> EPA 608.3	< 1.0	1.0	ug/l	D
Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271		Batch: G12132	Dil: 10
<b>Endrin</b> EPA 608.3	< 0.20	0.20	ug/l	D
Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271		Batch: G12132	Dil: 10
<b>Endrin aldehyde</b> EPA 608.3	< 1.0	1.0	ug/l	D
Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271		Batch: G12132	Dil: 10
<b>gamma-BHC</b> EPA 608.3	< 0.50	0.50	ug/l	D
Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271		Batch: G12132	Dil: 10
<b>Heptachlor</b> EPA 608.3	< 0.10	0.10	ug/l	D
Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271		Batch: G12132	Dil: 10
<b>Heptachlor epoxide</b> EPA 608.3	< 0.10	0.10	ug/l	D
Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271		Batch: G12132	Dil: 10
<b>PCB 1016</b> EPA 608.3	< 2.0	2.0	ug/l	D
Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271		Batch: G12132	Dil: 10
<b>PCB 1221</b> EPA 608.3	< 2.0	2.0	ug/l	D
Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271		Batch: G12132	Dil: 10
<b>PCB 1232</b> EPA 608.3	< 2.0	2.0	ug/l	D
Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271		Batch: G12132	Dil: 10
<b>PCB 1242</b> EPA 608.3	< 2.0	2.0	ug/l	D
Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271		Batch: G12132	Dil: 10

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**ANALYTICAL RESULTS**

AIC No. 268039-1 (Continued)

Sample Identification: SWWTF Influent 09-Aug-2022 1400

Analyte	Result	RL	Units	Qualifier
<b>Organochlorine Pesticides and PCBs By EPA 608.3 (Continued)</b>				
<b>PCB 1248</b> EPA 608.3	< 2.0	2.0	ug/l	D
	Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271	Batch: G12132	Dil: 10
<b>PCB 1254</b> EPA 608.3	< 2.0	2.0	ug/l	D
	Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271	Batch: G12132	Dil: 10
<b>PCB 1260</b> EPA 608.3	< 2.0	2.0	ug/l	D
	Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271	Batch: G12132	Dil: 10
<b>Toxaphene</b> EPA 608.3	< 3.0	3.0	ug/l	D
	Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271	Batch: G12132	Dil: 10
<b>Surrogate: Decachlorobiphenyl (Diluted Out)</b> EPA 608.3	-	-		D
	Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271	Batch: G12132	Dil: 10
<b>Surrogate: Tetrachloro-m-xylene (Diluted Out)</b> EPA 608.3	-	-		D
	Prep: 15-Aug-2022 1039 by 348	Analyzed: 19-Aug-2022 1314 by 271	Batch: G12132	Dil: 10

AIC No. 268039-2

Sample Identification: SWWTF Effluent 11-Aug-2022 0200

Analyte	Result	RL	Units	Qualifier
<b>Total Recoverable Phenolics</b> EPA 420.1	< 0.005	0.005	mg/l	
		Analyzed: 15-Aug-2022 0815 by 375	Batch: W80513	
<b>Total Cyanide</b> SM 4500-CN C,E 2016	< 0.01	0.01	mg/l	
	Prep: 16-Aug-2022 0704 by 375	Analyzed: 16-Aug-2022 1102 by 352	Batch: W80524	
<b>Volatile Organic Compounds By EPA 624.1</b>				
<b>Acrolein</b> EPA 624.1	< 20	20	ug/l	
		Analyzed: 12-Aug-2022 1828 by 271	Batch: V10346	
<b>Acrylonitrile</b> EPA 624.1	< 10	10	ug/l	
		Analyzed: 12-Aug-2022 1828 by 271	Batch: V10346	
<b>Benzene</b> EPA 624.1	< 5.0	5.0	ug/l	
		Analyzed: 12-Aug-2022 1828 by 271	Batch: V10346	
<b>Bromoform</b> EPA 624.1	< 5.0	5.0	ug/l	
		Analyzed: 12-Aug-2022 1828 by 271	Batch: V10346	
<b>Carbon tetrachloride</b> EPA 624.1	< 2.0	2.0	ug/l	
		Analyzed: 12-Aug-2022 1828 by 271	Batch: V10346	
<b>Chlorobenzene</b> EPA 624.1	< 5.0	5.0	ug/l	
		Analyzed: 12-Aug-2022 1828 by 271	Batch: V10346	
<b>Chlorodibromomethane</b> EPA 624.1	< 5.0	5.0	ug/l	
		Analyzed: 12-Aug-2022 1828 by 271	Batch: V10346	
<b>Chloroethane</b> EPA 624.1	< 5.0	5.0	ug/l	
		Analyzed: 12-Aug-2022 1828 by 271	Batch: V10346	
<b>2-Chloroethyl vinyl ether</b> EPA 624.1	< 10	10	ug/l	
		Analyzed: 12-Aug-2022 1828 by 271	Batch: V10346	

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**ANALYTICAL RESULTS**

AIC No. 268039-2 (Continued)

Sample Identification: SWWTF Effluent 11-Aug-2022 0200

<b>Analyte</b>	<b>Result</b>	<b>RL</b>	<b>Units</b>	<b>Qualifier</b>
<b>Volatile Organic Compounds By EPA 624.1 (Continued)</b>				
<b>Chloroform</b> EPA 624.1	<b>6.0</b> Analyzed: 12-Aug-2022 1828 by 271	<b>4.0</b>	<b>ug/l</b> Batch: V10346	
<b>1,2-Dichlorobenzene</b> EPA 624.1	<b>&lt; 5.0</b> Analyzed: 12-Aug-2022 1828 by 271	<b>5.0</b>	<b>ug/l</b> Batch: V10346	
<b>1,3-Dichlorobenzene</b> EPA 624.1	<b>&lt; 5.0</b> Analyzed: 12-Aug-2022 1828 by 271	<b>5.0</b>	<b>ug/l</b> Batch: V10346	
<b>1,4-Dichlorobenzene</b> EPA 624.1	<b>&lt; 5.0</b> Analyzed: 12-Aug-2022 1828 by 271	<b>5.0</b>	<b>ug/l</b> Batch: V10346	
<b>Dichlorobromomethane</b> EPA 624.1	<b>&lt; 5.0</b> Analyzed: 12-Aug-2022 1828 by 271	<b>5.0</b>	<b>ug/l</b> Batch: V10346	
<b>1,1-Dichloroethane</b> EPA 624.1	<b>&lt; 5.0</b> Analyzed: 12-Aug-2022 1828 by 271	<b>5.0</b>	<b>ug/l</b> Batch: V10346	
<b>1,2-Dichloroethane</b> EPA 624.1	<b>&lt; 5.0</b> Analyzed: 12-Aug-2022 1828 by 271	<b>5.0</b>	<b>ug/l</b> Batch: V10346	
<b>1,1-Dichloroethylene</b> EPA 624.1	<b>&lt; 5.0</b> Analyzed: 12-Aug-2022 1828 by 271	<b>5.0</b>	<b>ug/l</b> Batch: V10346	
<b>trans-1,2-Dichloroethylene</b> EPA 624.1	<b>&lt; 2.0</b> Analyzed: 12-Aug-2022 1828 by 271	<b>2.0</b>	<b>ug/l</b> Batch: V10346	
<b>1,2-Dichloropropane</b> EPA 624.1	<b>&lt; 5.0</b> Analyzed: 12-Aug-2022 1828 by 271	<b>5.0</b>	<b>ug/l</b> Batch: V10346	
<b>cis-1,3-Dichloropropylene</b> EPA 624.1	<b>&lt; 5.0</b> Analyzed: 12-Aug-2022 1828 by 271	<b>5.0</b>	<b>ug/l</b> Batch: V10346	
<b>trans-1,3-Dichloropropylene</b> EPA 624.1	<b>&lt; 5.0</b> Analyzed: 12-Aug-2022 1828 by 271	<b>5.0</b>	<b>ug/l</b> Batch: V10346	
<b>Ethylbenzene</b> EPA 624.1	<b>&lt; 5.0</b> Analyzed: 12-Aug-2022 1828 by 271	<b>5.0</b>	<b>ug/l</b> Batch: V10346	
<b>Methyl bromide(Bromomethane)</b> EPA 624.1	<b>&lt; 5.0</b> Analyzed: 12-Aug-2022 1828 by 271	<b>5.0</b>	<b>ug/l</b> Batch: V10346	
<b>Methyl chloride(Chloromethane)</b> EPA 624.1	<b>&lt; 5.0</b> Analyzed: 12-Aug-2022 1828 by 271	<b>5.0</b>	<b>ug/l</b> Batch: V10346	
<b>Methylene chloride</b> EPA 624.1	<b>&lt; 5.0</b> Analyzed: 12-Aug-2022 1828 by 271	<b>5.0</b>	<b>ug/l</b> Batch: V10346	
<b>1,1,2,2-Tetrachloroethane</b> EPA 624.1	<b>&lt; 5.0</b> Analyzed: 12-Aug-2022 1828 by 271	<b>5.0</b>	<b>ug/l</b> Batch: V10346	
<b>Tetrachloroethylene</b> EPA 624.1	<b>&lt; 5.0</b> Analyzed: 12-Aug-2022 1828 by 271	<b>5.0</b>	<b>ug/l</b> Batch: V10346	
<b>Toluene</b> EPA 624.1	<b>&lt; 5.0</b> Analyzed: 12-Aug-2022 1828 by 271	<b>5.0</b>	<b>ug/l</b> Batch: V10346	
<b>1,1,1-Trichloroethane</b> EPA 624.1	<b>&lt; 5.0</b> Analyzed: 12-Aug-2022 1828 by 271	<b>5.0</b>	<b>ug/l</b> Batch: V10346	





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**ANALYTICAL RESULTS**

**AIC No. 268039-2 (Continued)**  
**Sample Identification: SWWTF Effluent 11-Aug-2022 0200**

Analyte	Result	RL	Units	Qualifier
<b>Volatile Organic Compounds By EPA 624.1 (Continued)</b>				
<b>1,1,2-Trichloroethane</b> EPA 624.1	< 5.0 Analyzed: 12-Aug-2022 1828 by 271	5.0	ug/l Batch: V10346	
<b>Trichloroethylene</b> EPA 624.1	< 5.0 Analyzed: 12-Aug-2022 1828 by 271	5.0	ug/l Batch: V10346	
<b>Vinyl chloride</b> EPA 624.1	< 2.0 Analyzed: 12-Aug-2022 1828 by 271	2.0	ug/l Batch: V10346	
<b>Surrogate: 4-Bromofluorobenzene (87.2-109%)</b> EPA 624.1	93.9 Analyzed: 12-Aug-2022 1828 by 271		% Batch: V10346	
<b>Surrogate: Dibromofluoromethane (96.9-111%)</b> EPA 624.1	100 Analyzed: 12-Aug-2022 1828 by 271		% Batch: V10346	
<b>Surrogate: Toluene-D8 (89.2-109%)</b> EPA 624.1	96.4 Analyzed: 12-Aug-2022 1828 by 271		% Batch: V10346	

**AIC No. 268039-3**  
**Sample Identification: SWWTF Belt Press Influent 10-Aug-2022 1442**

Analyte	Result	RL	Units	Qualifier
<b>Total Cyanide</b> EPA 8010C, 9014 Prep: 16-Aug-2022 1334 by 375	< 30 Analyzed: 17-Aug-2022 0822 by 352	30	mg/Kg Batch: W80531	
<b>Total Recoverable Phenolics</b> EPA 9085	< 70 Analyzed: 19-Aug-2022 0821 by 330	70	mg/Kg Batch: W80589	
<b>Total Solids</b> SM 2540 G 2015 Prep: 16-Aug-2022 0859 by 373	3.6 Analyzed: 16-Aug-2022 1618 by 373	0.01	wt % Batch: W80526	
<b>Antimony</b> EPA 3051A, 6010D Prep: 16-Aug-2022 1106 by 328	< 6 Analyzed: 16-Aug-2022 1146 by 328	6	mg/Kg Batch: S53039	
<b>Arsenic</b> EPA 3051A, 6010D Prep: 15-Aug-2022 1106 by 328	< 5 Analyzed: 16-Aug-2022 1146 by 328	5	mg/Kg Batch: S53039	
<b>Beryllium</b> EPA 3051A, 6010D Prep: 15-Aug-2022 1106 by 328	< 0.05 Analyzed: 16-Aug-2022 1146 by 328	0.05	mg/Kg Batch: S53039	
<b>Cadmium</b> EPA 3051A, 6010D Prep: 15-Aug-2022 1106 by 328	0.50 Analyzed: 16-Aug-2022 1146 by 328	0.4	mg/Kg Batch: S53039	
<b>Chromium</b> EPA 3051A, 6010D Prep: 15-Aug-2022 1106 by 328	7.7 Analyzed: 16-Aug-2022 1146 by 328	1	mg/Kg Batch: S53039	
<b>Copper</b> EPA 3051A, 6010D Prep: 15-Aug-2022 1106 by 328	85 Analyzed: 16-Aug-2022 1146 by 328	1	mg/Kg Batch: S53039	
<b>Lead</b> EPA 3051A, 6010D Prep: 15-Aug-2022 1106 by 328	5.3 Analyzed: 16-Aug-2022 1146 by 328	4	mg/Kg Batch: S53039	
<b>Nickel</b> EPA 3051A, 6010D Prep: 15-Aug-2022 1106 by 328	14 Analyzed: 16-Aug-2022 1146 by 328	1	mg/Kg Batch: S53039	
<b>Selenium</b> EPA 3051A, 6010D Prep: 15-Aug-2022 1106 by 328	< 7 Analyzed: 16-Aug-2022 1146 by 328	7	mg/Kg Batch: S53039	

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**ANALYTICAL RESULTS**

AIC No. 268039-3 (Continued)

Sample Identification: SWWTF Belt Press Influent 10-Aug-2022 1442

Analyte	Result	RL	Units	Qualifier
<b>Silver</b> EPA 3051A, 6010D	< 0.7	0.7	mg/Kg	
Prep: 15-Aug-2022 1106 by 328	Analyzed: 16-Aug-2022 1146 by 328		Batch: S53039	
<b>Thallium</b> EPA 3051A, 6010D	< 4	4	mg/Kg	
Prep: 15-Aug-2022 1106 by 328	Analyzed: 16-Aug-2022 1146 by 328		Batch: S53039	
<b>Zinc</b> EPA 3051A, 6010D	420	10	mg/Kg	
Prep: 15-Aug-2022 1106 by 328	Analyzed: 16-Aug-2022 1450 by 328		Batch: S53039	
<b>Mercury</b> EPA 7471B	0.37	0.1	mg/Kg	
Prep: 18-Aug-2022 1319 by 313	Analyzed: 18-Aug-2022 1438 by 313		Batch: S53055	
<b>Base/Neutral and Acid Compounds By EPA 3550C, 8270E</b>				
<b>3 &amp; 4-Methylphenol</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Acenaphthene</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Acenaphthylene</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Anthracene</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Benzo(a)anthracene</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Benzo(a)pyrene</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Benzo(b)fluoranthene</b> EPA 3550C, 8270E	< 19000	19000	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Benzo(g,h,i)perylene</b> EPA 3550C, 8270E	< 19000	19000	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Benzo(k)fluoranthene</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>bis(2-Chloroethoxy)Methane</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>bis(2-Chloroethyl)Ether</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>bis(2-Chloroisopropyl)Ether</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>bis(2-Ethylhexyl)Phthalate</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>4-Bromophenyl phenyl ether</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Butyl benzyl phthalate</b> EPA 3550C, 8270E	< 19000	19000	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>4-Chloro-3-methylphenol</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	

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ANALYTICAL RESULTS

AIC No. 268039-3 (Continued)

Sample Identification: SWWTF Belt Press Influent 10-Aug-2022 1442

Analyte	Result	RL	Units	Qualifier
<b>Base/Neutral and Acid Compounds By EPA 3550C, 8270E (Continued)</b>				
<b>2-Chloronaphthalene</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>2-Chlorophenol</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>4-Chlorophenyl phenyl ether</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Chrysene</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Di-n-butyl phthalate</b> EPA 3550C, 8270E	< 7400	7400	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Di-n-octyl phthalate</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Dibenz(a,h)anthracene</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>1,2-Dichlorobenzene</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>1,3-Dichlorobenzene</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>1,4-Dichlorobenzene</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>3,3'-Dichlorobenzidine</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>2,4-Dichlorophenol</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Diethyl phthalate</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Dimethyl phthalate</b> EPA 3550C, 8270E	< 7400	7400	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>2,4-Dimethylphenol</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>4,6-Dinitro-2-methylphenol</b> EPA 3550C, 8270E	< 19000	19000	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>2,4-Dinitrophenol</b> EPA 3550C, 8270E	< 19000	19000	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>2,4-Dinitrotoluene</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>2,6-Dinitrotoluene</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>1,2-Diphenylhydrazine</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	



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ANALYTICAL RESULTS

AIC No. 268039-3 (Continued)

Sample Identification: SWWTF Belt Press Influent 10-Aug-2022 1442

Analyte	Result	RL	Units	Qualifier
<b>Base/Neutral and Acid Compounds By EPA 3550C, 8270E (Continued)</b>				
<b>Fluoranthene</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Fluorene</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Hexachlorobenzene</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Hexachlorobutadiene</b> EPA 3550C, 8270E	< 3700	3700	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Hexachlorocyclopentadiene</b> EPA 3550C, 8270E	< 19000	19000	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Hexachloroethane</b> EPA 3550C, 8270E	< 7400	7400	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Indeno(1,2,3-cd)pyrene</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Isophorone</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>2-Methylphenol</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>N-Nitroso-di-n-propylamine</b> EPA 3550C, 8270E	< 19000	19000	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>n-Nitrosodiphenylamine</b> EPA 3550C, 8270E	< 19000	19000	ug/Kg	R
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Naphthalene</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Nitrobenzene</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>2-Nitrophenol</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>4-Nitrophenol</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Pentachlorophenol</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Phenanthrene</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Phenol</b> EPA 3550C, 8270E	< 7400	7400	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Pyrene</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>1,2,4-Trichlorobenzene</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	

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ANALYTICAL RESULTS

AIC No. 268039-3 (Continued)

Sample Identification: SWWTF Belt Press Influent 10-Aug-2022 1442

Analyte	Result	RL	Units	Qualifier
<b>Base/Neutral and Acid Compounds By EPA 3550C, 8270E (Continued)</b>				
<b>2,4,5-Trichlorophenol</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>2,4,6-Trichlorophenol</b> EPA 3550C, 8270E	< 9200	9200	ug/Kg	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Surrogate: 2-Fluorobiphenyl (45.0-105%)</b> EPA 3550C, 8270E	23.0		%	Q
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Surrogate: 2-Fluorophenol (35.0-105%)</b> EPA 3550C, 8270E	42.0		%	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Surrogate: Nitrobenzene-D5 (35.0-100%)</b> EPA 3550C, 8270E	22.6		%	Q
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Surrogate: Terphenyl-D14 (30.0-125%)</b> EPA 3550C, 8270E	72.1		%	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Surrogate: 2,4,6-Tribromophenol (35.0-125%)</b> EPA 3550C, 8270E	66.5		%	
Prep: 22-Aug-2022 1151 by 348	Analyzed: 23-Aug-2022 2259 by 271		Batch: B12929	
<b>Volatile Organic Compounds By EPA 5035A, 8260D</b>				
<b>Acetone</b> EPA 5035A, 8260D	< 1200	1200	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>Benzene</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>Bromobenzene</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>Bromochloromethane</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>Bromodichloromethane</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>Bromoform</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>Bromomethane</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>2-Butanone</b> EPA 5035A, 8260D	< 280	280	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>Carbon disulfide</b> EPA 5035A, 8260D	< 560	560	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>Carbon Tetrachloride</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>Chlorobenzene</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>Chloroethane</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	



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**ANALYTICAL RESULTS**

AIC No. 268039-3 (Continued)

Sample Identification: SWWTF Belt Press Influent 10-Aug-2022 1442

Analyte	Result	RL	Units	Qualifier
<b>Volatile Organic Compounds By EPA 5035A, 8260D (Continued)</b>				
<b>2-Chloroethyl vinyl ether</b> EPA 5035A, 8260D	< 280	280	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>Chloroform</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>Chloromethane</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>2-Chlorotoluene</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>4-Chlorotoluene</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>1,2-Dibromo-3-chloropropane</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>Dibromochloromethane</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>1,2-Dibromoethane</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>Dibromomethane</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>1,2-Dichlorobenzene</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>1,3-Dichlorobenzene</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>1,4-Dichlorobenzene</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>Dichlorodifluoromethane</b> EPA 5035A, 8260D	< 280	280	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>1,1-Dichloroethane</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>1,2-Dichloroethane</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>1,1-Dichloroethane</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>cis-1,2-Dichloroethane</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>trans-1,2-Dichloroethane</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>1,2-Dichloropropane</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>1,3-Dichloropropane</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	

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**ANALYTICAL RESULTS**

AIC No. 268039-3 (Continued)

Sample Identification: SWWTF Belt Press Influent 10-Aug-2022 1442

Analyte	Result	RL	Units	Qualifier
<b>Volatile Organic Compounds By EPA 5035A, 8260D (Continued)</b>				
<b>2,2-Dichloropropane</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>1,1-Dichloropropene</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>cis-1,3-Dichloropropene</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>trans-1,3-Dichloropropene</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>Ethylbenzene</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>Hexachlorobutadiene</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>2-Hexanone</b> EPA 5035A, 8260D	< 280	280	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>Isopropylbenzene</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>m&amp;p-Xylenes</b> EPA 5035A, 8260D	< 280	280	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>4-Methyl-2-pentanone</b> EPA 5035A, 8260D	< 280	280	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>Methylene chloride</b> EPA 5035A, 8260D	< 560	560	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>n-Butylbenzene</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>n-Propylbenzene</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>Naphthalene</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>o-Xylene</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>p-Isopropyltoluene</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>sec-Butylbenzene</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>Styrene</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>tert-Butylbenzene</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	
<b>1,1,1,2-Tetrachloroethane</b> EPA 5035A, 8260D	< 140	140	ug/Kg	
Prep: 23-Aug-2022 1028 by 271	Analyzed: 24-Aug-2022 1230 by 271		Batch: V10348	

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**ANALYTICAL RESULTS**

AIC No. 268039-3 (Continued)

Sample Identification: SWWTF Belt Press Influent 10-Aug-2022 1442

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
<b>Volatile Organic Compounds By EPA 5035A, 8260D (Continued)</b>				
<b>1,1,2-Tetrachloroethane</b> EPA 5035A, 8260D	< 140 Prep: 23-Aug-2022 1028 by 271 Analyzed: 24-Aug-2022 1230 by 271	140	ug/Kg Batch: V10348	
<b>Tetrachloroethene</b> EPA 5035A, 8260D	< 140 Prep: 23-Aug-2022 1028 by 271 Analyzed: 24-Aug-2022 1230 by 271	140	ug/Kg Batch: V10348	
<b>Toluene</b> EPA 5035A, 8260D	< 140 Prep: 23-Aug-2022 1028 by 271 Analyzed: 24-Aug-2022 1230 by 271	140	ug/Kg Batch: V10348	
<b>1,2,3-Trichlorobenzene</b> EPA 5035A, 8260D	< 140 Prep: 23-Aug-2022 1028 by 271 Analyzed: 24-Aug-2022 1230 by 271	140	ug/Kg Batch: V10348	
<b>1,2,4-Trichlorobenzene</b> EPA 5035A, 8260D	< 140 Prep: 23-Aug-2022 1028 by 271 Analyzed: 24-Aug-2022 1230 by 271	140	ug/Kg Batch: V10348	
<b>1,1,1-Trichloroethane</b> EPA 5035A, 8260D	< 140 Prep: 23-Aug-2022 1028 by 271 Analyzed: 24-Aug-2022 1230 by 271	140	ug/Kg Batch: V10348	
<b>1,1,2-Trichloroethane</b> EPA 5035A, 8260D	< 140 Prep: 23-Aug-2022 1028 by 271 Analyzed: 24-Aug-2022 1230 by 271	140	ug/Kg Batch: V10348	
<b>Trichloroethane</b> EPA 5035A, 8260D	< 140 Prep: 23-Aug-2022 1028 by 271 Analyzed: 24-Aug-2022 1230 by 271	140	ug/Kg Batch: V10348	
<b>Trichlorofluoromethane</b> EPA 5035A, 8260D	< 140 Prep: 23-Aug-2022 1028 by 271 Analyzed: 24-Aug-2022 1230 by 271	140	ug/Kg Batch: V10348	
<b>1,2,3-Trichloropropane</b> EPA 5035A, 8260D	< 140 Prep: 23-Aug-2022 1028 by 271 Analyzed: 24-Aug-2022 1230 by 271	140	ug/Kg Batch: V10348	
<b>1,2,4-Trimethylbenzene</b> EPA 5035A, 8260D	< 140 Prep: 23-Aug-2022 1028 by 271 Analyzed: 24-Aug-2022 1230 by 271	140	ug/Kg Batch: V10348	
<b>1,3,5-Trimethylbenzene</b> EPA 5035A, 8260D	< 140 Prep: 23-Aug-2022 1028 by 271 Analyzed: 24-Aug-2022 1230 by 271	140	ug/Kg Batch: V10348	
<b>Vinyl acetate</b> EPA 5035A, 8260D	< 280 Prep: 23-Aug-2022 1028 by 271 Analyzed: 24-Aug-2022 1230 by 271	280	ug/Kg Batch: V10348	
<b>Vinyl chloride</b> EPA 5035A, 8260D	< 280 Prep: 23-Aug-2022 1028 by 271 Analyzed: 24-Aug-2022 1230 by 271	280	ug/Kg Batch: V10348	
<b>Surrogate: 4-Bromofluorobenzene (71.5-129%)</b> EPA 5035A, 8260D	93.0 Prep: 23-Aug-2022 1028 by 271 Analyzed: 24-Aug-2022 1230 by 271		% Batch: V10348	
<b>Surrogate: Dibromofluoromethane (68.3-131%)</b> EPA 5035A, 8260D	102 Prep: 23-Aug-2022 1028 by 271 Analyzed: 24-Aug-2022 1230 by 271		% Batch: V10348	
<b>Surrogate: Toluene-D8 (78.2-119%)</b> EPA 5035A, 8260D	105 Prep: 23-Aug-2022 1028 by 271 Analyzed: 24-Aug-2022 1230 by 271		% Batch: V10348	
<b>Organochlorine Pesticides By EPA 3550C, 8081B</b>				
<b>Aldrin</b> EPA 3550C, 8081B	< 27 Prep: 22-Aug-2022 1018 by 348 Analyzed: 25-Aug-2022 2113 by 271	27	ug/Kg Batch: G12137	
<b>alpha-BHC</b> EPA 3550C, 8081B	< 14 Prep: 22-Aug-2022 1018 by 348 Analyzed: 25-Aug-2022 2113 by 271	14	ug/Kg Batch: G12137	



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ANALYTICAL RESULTS

AIC No. 268039-3 (Continued)

Sample Identification: SWWTF Belt Press Influent 10-Aug-2022 1442

Analyte	Result	RL	Units	Qualifier
<b>Organochlorine Pesticides By EPA 3550C, 8081B (Continued)</b>				
<b>alpha-Endosulfan</b> EPA 3550C, 8081B	< 27	27	ug/Kg	
Prep: 22-Aug-2022 1018 by 348	Analyzed: 25-Aug-2022 2113 by 271		Batch: G12137	
<b>beta-BHC</b> EPA 3550C, 8081B	< 27	27	ug/Kg	
Prep: 22-Aug-2022 1018 by 348	Analyzed: 25-Aug-2022 2113 by 271		Batch: G12137	
<b>beta-Endosulfan</b> EPA 3550C, 8081B	< 27	27	ug/Kg	
Prep: 22-Aug-2022 1018 by 348	Analyzed: 25-Aug-2022 2113 by 271		Batch: G12137	
<b>cis-Chlordane</b> EPA 3550C, 8081B	< 54	54	ug/Kg	
Prep: 22-Aug-2022 1018 by 348	Analyzed: 25-Aug-2022 2113 by 271		Batch: G12137	
<b>trans-Chlordane</b> EPA 3550C, 8081B	< 54	54	ug/Kg	
Prep: 22-Aug-2022 1018 by 348	Analyzed: 25-Aug-2022 2113 by 271		Batch: G12137	
<b>4,4'-DDD</b> EPA 3550C, 8081B	< 54	54	ug/Kg	
Prep: 22-Aug-2022 1018 by 348	Analyzed: 25-Aug-2022 2113 by 271		Batch: G12137	
<b>4,4'-DDE</b> EPA 3550C, 8081B	< 27	27	ug/Kg	
Prep: 22-Aug-2022 1018 by 348	Analyzed: 25-Aug-2022 2113 by 271		Batch: G12137	
<b>4,4'-DDT</b> EPA 3550C, 8081B	< 54	54	ug/Kg	
Prep: 22-Aug-2022 1018 by 348	Analyzed: 25-Aug-2022 2113 by 271		Batch: G12137	
<b>delta-BHC</b> EPA 3550C, 8081B	< 54	54	ug/Kg	
Prep: 22-Aug-2022 1018 by 348	Analyzed: 25-Aug-2022 2113 by 271		Batch: G12137	
<b>Dieldrin</b> EPA 3550C, 8081B	< 14	14	ug/Kg	
Prep: 22-Aug-2022 1018 by 348	Analyzed: 25-Aug-2022 2113 by 271		Batch: G12137	
<b>Endosulfan sulfate</b> EPA 3550C, 8081B	< 54	54	ug/Kg	
Prep: 22-Aug-2022 1018 by 348	Analyzed: 25-Aug-2022 2113 by 271		Batch: G12137	
<b>Endrin</b> EPA 3550C, 8081B	< 27	27	ug/Kg	
Prep: 22-Aug-2022 1018 by 348	Analyzed: 25-Aug-2022 2113 by 271		Batch: G12137	
<b>Endrin aldehyde</b> EPA 3550C, 8081B	< 140	140	ug/Kg	
Prep: 22-Aug-2022 1018 by 348	Analyzed: 25-Aug-2022 2113 by 271		Batch: G12137	
<b>gamma-BHC</b> EPA 3550C, 8081B	< 27	27	ug/Kg	
Prep: 22-Aug-2022 1018 by 348	Analyzed: 25-Aug-2022 2113 by 271		Batch: G12137	
<b>Heptachlor</b> EPA 3550C, 8081B	< 14	14	ug/Kg	
Prep: 22-Aug-2022 1018 by 348	Analyzed: 25-Aug-2022 2113 by 271		Batch: G12137	
<b>Heptachlor epoxide</b> EPA 3550C, 8081B	< 27	27	ug/Kg	
Prep: 22-Aug-2022 1018 by 348	Analyzed: 25-Aug-2022 2113 by 271		Batch: G12137	
<b>Methoxychlor</b> EPA 3550C, 8081B	< 54	54	ug/Kg	
Prep: 22-Aug-2022 1018 by 348	Analyzed: 25-Aug-2022 2113 by 271		Batch: G12137	
<b>Toxaphene</b> EPA 3550C, 8081B	< 540	540	ug/Kg	
Prep: 22-Aug-2022 1018 by 348	Analyzed: 25-Aug-2022 2113 by 271		Batch: G12137	
<b>Surrogate: Decachlorobiphenyl (11.2-120%)</b> EPA 3550C, 8081B	74.4		%	
Prep: 22-Aug-2022 1018 by 348	Analyzed: 25-Aug-2022 2113 by 271		Batch: G12137	
<b>Surrogate: Tetrachloro-m-xylene (6.80-99.2%)</b> EPA 3550C, 8081B	55.3		%	
Prep: 22-Aug-2022 1018 by 348	Analyzed: 25-Aug-2022 2113 by 271		Batch: G12137	



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**DUPLICATE RESULTS**

<u>Analyte</u>	<u>AIC No.</u>	<u>Result</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Preparation Date</u>	<u>Analysis Date</u>	<u>Dil</u>	<u>Qual</u>
Total Solids	268039-3	3.6 wt %			16Aug22 0859 by 373	16Aug22 1618 by 373		
	Batch: W80528 Duplicate	3.6 wt %	0.158	10.0	16Aug22 0859 by 373	16Aug22 1618 by 373		

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**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limfs	RPD	Limit	Batch	Preparation Date	Analysis Date	DII	Qual
Total Recoverable Phenolics	0.1 mg/l	92.8	74.8-121			W80513		15Aug22 0815 by 375		
Total Cyanide	0.1 mg/l	98.0	81.9-118			W80524	18Aug22 0710 by 375	16Aug22 1101 by 352		
Antimony	0.02 mg/l	105	85.0-115			S53036	15Aug22 0837 by 313	15Aug22 1158 by 313		
Arsenic	0.02 mg/l	93.8	85.0-115			S53036	15Aug22 0837 by 313	15Aug22 1158 by 313		
Beryllium	0.02 mg/l	92.6	85.0-115			S53036	15Aug22 0837 by 313	15Aug22 1158 by 313		
Cadmium	0.02 mg/l	102	85.0-115			S53036	16Aug22 0837 by 313	15Aug22 1158 by 313		
Chromium	0.02 mg/l	100	85.0-115			S53036	15Aug22 0837 by 313	15Aug22 1158 by 313		
Copper	0.02 mg/l	103	85.0-115			S53036	16Aug22 0837 by 313	15Aug22 1158 by 313		
Lead	0.02 mg/l	103	85.0-115			S53036	16Aug22 0837 by 313	15Aug22 1158 by 313		
Molybdenum	0.02 mg/l	103	85.0-115			S53036	15Aug22 0837 by 313	16Aug22 1158 by 313		
Nickel	0.02 mg/l	104	85.0-115			S53036	15Aug22 0837 by 313	16Aug22 1158 by 313		
Selenium	0.02 mg/l	95.8	85.0-115			S53036	15Aug22 0837 by 313	15Aug22 1158 by 313		
Silver	0.02 mg/l	106	85.0-115			S53036	15Aug22 0837 by 313	15Aug22 1158 by 313		
Thallium	0.02 mg/l	103	85.0-115			S53036	16Aug22 0837 by 313	15Aug22 1158 by 313		
Zinc	0.02 mg/l	95.0	85.0-115			S53036	16Aug22 0837 by 313	15Aug22 1158 by 313		
Total Cyanide	0.500 mg/Kg	94.2	71.2-120			W80531	16Aug22 1334 by 375	17Aug22 0820 by 352		
Total Recoverable Phenolics	1000 mg/Kg	92.8	53.9-138			W80569		18Aug22 0822 by 330		
Antimony	200 mg/Kg	97.8	85.0-115			S53039	15Aug22 1105 by 328	15Aug22 1747 by 328		
Arsenic	200 mg/Kg	98.6	85.0-115			S53039	15Aug22 1105 by 328	15Aug22 1747 by 328		
Beryllium	2.00 mg/Kg	104	85.0-115			S53039	15Aug22 1105 by 328	16Aug22 1747 by 328		
Cadmium	20.0 mg/Kg	98.0	85.0-115			S53039	15Aug22 1105 by 328	15Aug22 1747 by 328		
Chromium	20.0 mg/Kg	99.8	85.0-115			S53039	15Aug22 1106 by 328	15Aug22 1747 by 328		
Copper	20.0 mg/Kg	98.2	85.0-115			S53039	15Aug22 1105 by 328	15Aug22 1747 by 328		
Lead	200 mg/Kg	96.6	85.0-115			S53039	16Aug22 1105 by 328	16Aug22 1747 by 328		
Nickel	20.0 mg/Kg	98.8	85.0-115			S53039	16Aug22 1105 by 328	16Aug22 1747 by 328		
Selenium	200 mg/Kg	100	85.0-115			S53039	15Aug22 1105 by 328	16Aug22 1747 by 328		
Silver	4.00 mg/Kg	107	85.0-115			S53039	15Aug22 1105 by 328	15Aug22 1747 by 328		
Thallium	200 mg/Kg	102	85.0-115			S53039	16Aug22 1105 by 328	15Aug22 1747 by 328		
Zinc	20.0 mg/Kg	97.2	85.0-115			S53039	15Aug22 1105 by 328	15Aug22 1747 by 328		
Mercury	1.25 mg/Kg	98.4	85.0-115			S53055	18Aug22 1319 by 313	18Aug22 1428 by 313		
<b>Base/Neutral and Acid Compounds</b>										
Acenaphthene	20 ug/l	78.7	60.0-132			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	80.4	60.0-132	2.03	48.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Acenaphthylene	20 ug/l	74.6	54.0-126			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	75.6	54.0-126	1.38	74.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Anthracene	20 ug/l	87.2	43.0-120			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	89.6	43.0-120	2.69	66.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Benzidine	100 ug/l	0.0336	1.00-36.6			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		Q
	100 ug/l	0.00	1.00-36.6	200	44.3	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		Q
Benzo(a)anthracene	20 ug/l	77.9	42.0-133			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	83.1	42.0-133	6.47	53.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Benzo(a)pyrene	20 ug/l	86.0	32.0-148			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	85.4	32.0-148	0.793	72.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		

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**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
<b>Base/Neutral and Acid Compounds (Continued)</b>										
Benzo(g,h,i)perylene	20 ug/l	68.6	1.00-195			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	70.5	1.00-195	2.64	97.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Benzo(k)fluoranthene	20 ug/l	85.6	25.0-146			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	95.3	25.0-146	10.8	63.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
3,4-Benzofluoranthene	20 ug/l	82.4	42.0-140			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	93.0	42.0-140	0.666	71.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Bis(2-chloroethoxy)methane	20 ug/l	82.9	49.0-165			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	83.8	49.0-165	1.13	54.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Bis(2-chloroethyl)ether	20 ug/l	84.7	43.0-126			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	84.0	43.0-126	0.782	108	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Bis(2-chloroisopropyl)ether	20 ug/l	94.9	63.0-139			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	95.4	63.0-139	0.583	78.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Bis(2-ethoxyhexyl)phthalate	20 ug/l	78.3	29.0-137			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	83.2	29.0-137	6.01	82.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
4-Bromophenyl phenyl ether	20 ug/l	79.4	65.0-120			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	82.9	65.0-120	4.30	43.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Butylbenzyl phthalate	20 ug/l	87.5	1.00-140			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	69.3	1.00-140	2.68	60.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
2-Chloronaphthalene	20 ug/l	80.6	65.0-120			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	82.0	65.0-120	1.74	24.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
2-Chlorophenol	20 ug/l	79.8	38.0-120			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	81.6	38.0-120	2.27	61.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
4-Chlorophenyl phenyl ether	20 ug/l	79.9	38.0-145			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	81.6	38.0-145	2.15	61.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Chrysene	20 ug/l	83.4	44.0-140			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	88.9	44.0-140	4.09	87.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Di-n-butyl phthalate	20 ug/l	89.5	8.00-120			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	91.0	8.00-120	1.89	47.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Di-n-octyl phthalate	20 ug/l	61.6	19.0-132			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	68.0	19.0-132	9.85	69.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Dibenz(a,h)anthracene	20 ug/l	68.9	1.00-200			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	70.9	1.00-200	2.97	126	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
1,2-Dichlorobenzene	20 ug/l	78.6	46.7-106			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	78.7	46.7-106	0.165	10.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
1,3-Dichlorobenzene	20 ug/l	76.9	58.6-97.6			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	78.7	58.6-97.6	0.273	10.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
1,4-Dichlorobenzene	20 ug/l	77.7	49.8-101			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	77.6	49.8-101	0.164	29.2	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
3,3'-Dichlorobenzidine	20 ug/l	38.8	8.00-213			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	55.9	8.00-213	36.2	108	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
2,4-Dichlorophenol	20 ug/l	75.2	53.0-122			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	78.1	53.0-122	3.69	50.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Diethyl phthalate	20 ug/l	72.9	1.00-120			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	75.3	1.00-120	3.31	100	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Dimethyl phthalate	20 ug/l	55.7	1.00-120			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	57.3	1.00-120	2.86	183	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		

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**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
<b>Base/Neutral and Acid Compounds (Continued)</b>										
2,4-Dimethylphenol	20 ug/l	42.4	42.0-120			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	65.8	42.0-120	43.3	56.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
4,6-Dinitro-o-cresol	20 ug/l	84.7	53.0-130			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	83.2	53.0-130	1.71	203	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
2,4-Dinitrophenol	20 ug/l	57.0	1.00-173			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	45.0	1.00-173	23.6	132	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
2,4-Dinitrotoluene	20 ug/l	78.3	48.0-127			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	80.3	48.0-127	2.49	42.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
2,6-Dinitrotoluene	20 ug/l	76.8	68.0-137			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	79.1	68.0-137	3.01	48.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
1,2-Diphenylhydrazine	20 ug/l	92.2	53.9-105			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	94.4	53.9-105	2.34	19.4	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Fluoranthene	20 ug/l	88.3	43.0-121			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	91.7	43.0-121	3.75	66.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Fluorene	20 ug/l	81.6	70.0-120			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	81.5	70.0-120	0.133	36.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Hexachlorobenzene	20 ug/l	79.5	8.00-142			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	80.2	8.00-142	0.865	56.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Hexachlorobutadiene	20 ug/l	71.7	38.0-120			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	73.8	38.0-120	3.02	82.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Hexachlorocyclopentadiene	20 ug/l	68.2	62.7-101			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	71.5	62.7-101	4.84	41.7	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Hexachloroethane	20 ug/l	82.3	55.0-120			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	83.9	55.0-120	1.92	52.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Indeno(1,2,3-cd)pyrene	20 ug/l	68.0	1.00-151			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	69.2	1.00-151	1.77	99.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Isophorone	20 ug/l	80.6	47.0-180			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	82.0	47.0-180	1.76	93.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
n-Nitrosodi-n-propylamine	20 ug/l	90.7	14.0-198			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	93.5	14.0-198	3.11	87.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
n-Nitrosodimethylamine	20 ug/l	51.7	33.7-87.5			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	52.9	33.7-87.5	2.32	16.8	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
n-Nitrosodiphenylamine	20 ug/l	83.0	46.7-106			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	87.4	46.7-106	5.16	23.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Naphthalene	20 ug/l	79.6	36.0-120			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	80.4	36.0-120	0.944	65.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Nitrobenzene	20 ug/l	80.7	54.0-158			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	80.9	54.0-158	0.192	62.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
2-Nitrophenol	20 ug/l	79.4	45.0-167			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	79.7	45.0-167	0.355	55.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
4-Nitrophenol	20 ug/l	62.6	13.0-129			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	70.0	13.0-129	11.4	131	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
p-Chloro-m-cresol	20 ug/l	77.1	41.0-128			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	80.3	41.0-128	4.12	73.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Pentachlorophenol	20 ug/l	72.4	38.0-152			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	75.5	38.0-152	4.08	86.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		



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Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	DII	Qual
<b>Base/Neutral and Acid Compounds (Continued)</b>										
Phenanthrene	20 ug/l	85.6	65.0-120			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	88.1	65.0-120	2.67	39.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Phenol	20 ug/l	60.0	17.0-120			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	61.5	17.0-120	2.41	64.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Pyrene	20 ug/l	78.4	70.0-120			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	81.5	70.0-120	3.85	49.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
1,2,4-Trichlorobenzene	20 ug/l	78.2	57.0-130			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	78.3	57.0-130	0.147	50.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
2,4,6-Trichlorophenol	20 ug/l	74.4	52.0-129			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	80.4	52.0-129	7.73	58.0	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
<b>Base/Neutral and Acid Compounds Surrogates:</b>										
2-Fluorobiphenyl	20 ug/l	82.3	52.2-106			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	84.4	52.2-106	-	-	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
2-Fluorophenol	20 ug/l	72.9	30.6-96.6			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	75.0	30.6-96.6	-	-	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Nitrobenzene-D5	20 ug/l	85.4	57.2-105			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	86.0	57.2-105	-	-	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
Terphenyl-D14	20 ug/l	81.5	53.8-120			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	83.8	53.8-120	-	-	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
2,4,6-Tribromophenol	20 ug/l	79.1	23.7-131			B12923	16Aug22 0835 by 348	17Aug22 2134 by 271		
	20 ug/l	87.0	23.7-131	-	-	B12923	16Aug22 0835 by 348	17Aug22 2214 by 271		
<b>Volatile Organic Compounds</b>										
Acrolein	250 ug/l	99.5	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
Acrylonitrile	250 ug/l	100	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
Benzene	50 ug/l	102	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
Bromodichloromethane	50 ug/l	110	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
Bromoform	50 ug/l	107	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
Bromomethane	50 ug/l	97.8	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
Carbon tetrachloride	50 ug/l	111	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
Chlorobenzene	50 ug/l	107	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
Chloroethane	50 ug/l	103	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
2-Chloroethyl vinyl ether	100 ug/l	94.4	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
Chloroform	50 ug/l	106	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
Chloromethane	50 ug/l	99.2	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
Dibromochloromethane	50 ug/l	98.4	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
1,2-Dichlorobenzene	50 ug/l	106	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
1,3-Dichlorobenzene	50 ug/l	108	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
1,4-Dichlorobenzene	50 ug/l	109	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
1,1-Dichloroethane	50 ug/l	108	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
1,2-Dichloroethane	50 ug/l	105	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
1,1-Dichloroethene	50 ug/l	103	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
trans-1,2-Dichloroethene	50 ug/l	107	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		



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<b>Volatile Organic Compounds (Continued)</b>										
1,2-Dichloropropane	50 ug/l	105	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
cis-1,3-Dichloropropene	50 ug/l	110	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
trans-1,3-Dichloropropene	50 ug/l	116	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
Ethylbenzene	50 ug/l	114	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
Methylene chloride	50 ug/l	104	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
1,1,2,2-Tetrachloroethane	50 ug/l	97.2	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
Tetrachloroethene	50 ug/l	110	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
Toluene	50 ug/l	109	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
1,1,1-Trichloroethane	50 ug/l	109	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
1,1,2-Trichloroethane	50 ug/l	105	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
Trichloroethene	50 ug/l	107	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
Vinyl chloride	50 ug/l	104	70.0-130			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
<b>Volatile Organic Compounds Surrogates:</b>										
4-Bromofluorobenzene	10 ug/l	102	85.0-112			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
Dibromofluoromethane	10 ug/l	103	90.0-109			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
Toluene-D8	10 ug/l	101	87.2-112			V10346	12Aug22 1000 by 271	12Aug22 1000 by 271		
<b>Organochlorine Pesticides and PCBs</b>										
Aldrin	10 ug/l	85.8	54.0-130			G12132	15Aug22 1040 by 348	18Aug22 1652 by 271		
	10 ug/l	85.8	54.0-130	0.350	35.0	G12132	15Aug22 1040 by 348	18Aug22 1718 by 271		
alpha-BHC	10 ug/l	86.7	49.0-140			G12132	15Aug22 1040 by 348	18Aug22 1652 by 271		
	10 ug/l	83.5	49.0-140	3.76	36.0	G12132	15Aug22 1040 by 348	18Aug22 1718 by 271		
alpha-Endosulfan	10 ug/l	85.8	57.0-141			G12132	15Aug22 1040 by 348	18Aug22 1652 by 271		
	10 ug/l	84.2	57.0-141	1.88	26.0	G12132	15Aug22 1040 by 348	18Aug22 1718 by 271		
beta-BHC	10 ug/l	93.5	39.0-130			G12132	15Aug22 1040 by 348	18Aug22 1652 by 271		
	10 ug/l	89.5	39.0-130	4.37	44.0	G12132	15Aug22 1040 by 348	18Aug22 1718 by 271		
beta-Endosulfan	10 ug/l	112	22.0-171			G12132	15Aug22 1040 by 348	18Aug22 1652 by 271		
	10 ug/l	103	22.0-171	8.70	53.0	G12132	15Aug22 1040 by 348	18Aug22 1718 by 271		
cis-Chlordane	10 ug/l	104	55.0-130			G12132	15Aug22 1040 by 348	18Aug22 1652 by 271		
	10 ug/l	97.4	55.0-130	6.87		G12132	15Aug22 1040 by 348	18Aug22 1718 by 271		
trans-Chlordane	10 ug/l	98.3	55.0-130			G12132	15Aug22 1040 by 348	18Aug22 1652 by 271		
	10 ug/l	93.2	55.0-130	5.40	35.0	G12132	15Aug22 1040 by 348	18Aug22 1718 by 271		
Chlorpyrifos	10 ug/l	112	51.3-104			G12132	15Aug22 1040 by 348	18Aug22 1652 by 271		Q
	10 ug/l	117	51.3-104	4.26	19.1	G12132	15Aug22 1040 by 348	18Aug22 1718 by 271		Q
4,4'-DDD	10 ug/l	91.3	48.0-130			G12132	15Aug22 1040 by 348	18Aug22 1652 by 271		
	10 ug/l	92.9	48.0-130	1.74	39.0	G12132	15Aug22 1040 by 348	18Aug22 1718 by 271		
4,4'-DDE	10 ug/l	106	54.0-130			G12132	15Aug22 1040 by 348	18Aug22 1652 by 271		
	10 ug/l	94.6	54.0-130	10.2	35.0	G12132	15Aug22 1040 by 348	18Aug22 1718 by 271		
4,4'-DDT	10 ug/l	114	48.0-137			G12132	15Aug22 1040 by 348	18Aug22 1652 by 271		
	10 ug/l	109	48.0-137	4.98	42.0	G12132	15Aug22 1040 by 348	18Aug22 1718 by 271		
delta-BHC	10 ug/l	92.6	51.0-130			G12132	15Aug22 1040 by 348	18Aug22 1652 by 271		
	10 ug/l	88.0	51.0-130	5.09	52.0	G12132	15Aug22 1040 by 348	18Aug22 1718 by 271		
Dieldrin	10 ug/l	100	58.0-130			G12132	15Aug22 1040 by 348	18Aug22 1652 by 271		
	10 ug/l	93.8	58.0-130	6.90	49.0	G12132	15Aug22 1040 by 348	18Aug22 1718 by 271		



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**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
<b>Organochlorine Pesticides and PCBs (Continued)</b>										
Endosulfan sulfate	10 ug/l	88.2	38.0-132			G12132	15Aug22 1040 by 348	18Aug22 1652 by 271		
	10 ug/l	87.5	38.0-132	0.797	38.0	G12132	15Aug22 1040 by 348	18Aug22 1718 by 271		
Endrin	10 ug/l	89.7	51.0-130			G12132	15Aug22 1040 by 348	18Aug22 1662 by 271		
	10 ug/l	90.3	51.0-130	0.667	48.0	G12132	15Aug22 1040 by 348	18Aug22 1718 by 271		
Endrin aldehyde	10 ug/l	94.1	36.6-115			G12132	15Aug22 1040 by 348	18Aug22 1652 by 271		
	10 ug/l	96.2	36.6-115	2.21	27.2	G12132	15Aug22 1040 by 348	18Aug22 1718 by 271		
gamma-BHC	10 ug/l	89.8	43.0-130			G12132	15Aug22 1040 by 348	18Aug22 1652 by 271		
	10 ug/l	85.6	43.0-130	4.79	39.0	G12132	15Aug22 1040 by 348	18Aug22 1718 by 271		
Heptachlor	10 ug/l	81.5	43.0-130			G12132	15Aug22 1040 by 348	18Aug22 1652 by 271		
	10 ug/l	87.6	43.0-130	4.38	43.0	G12132	15Aug22 1040 by 348	18Aug22 1718 by 271		
Heptachlor epoxide	10 ug/l	98.3	57.0-132			G12132	15Aug22 1040 by 348	18Aug22 1652 by 271		
	10 ug/l	87.2	57.0-132	12.0	26.0	G12132	15Aug22 1040 by 348	18Aug22 1718 by 271		
<b>Organochlorine Pesticides and PCBs Surrogates:</b>										
Decachlorobiphenyl	20 ug/l	87.2	44.1-108			G12132	15Aug22 1040 by 348	18Aug22 1652 by 271		
	20 ug/l	101	44.1-108	-	-	G12132	15Aug22 1040 by 348	18Aug22 1718 by 271		
Tetrachloro-m-xylene	20 ug/l	96.0	49.0-104			G12132	15Aug22 1040 by 348	18Aug22 1652 by 271		
	20 ug/l	98.3	49.0-104	-	-	G12132	15Aug22 1040 by 348	18Aug22 1718 by 271		
<b>Base/Neutral and Acid Compounds</b>										
3 & 4-Methylphenol	1330 ug/Kg	70.0	42.3-101			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	84.1	42.3-101	8.70	17.9	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Acenaphthene	1330 ug/Kg	67.8	45.8-106			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	86.3	45.8-106	2.19	16.6	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Acenaphthylene	1330 ug/Kg	65.8	45.7-96.5			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	85.1	45.7-96.5	1.17	18.6	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Anthracene	1330 ug/Kg	73.0	46.7-110			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	74.3	46.7-110	1.83	51.2	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Benzo(a)anthracene	1330 ug/Kg	77.1	48.4-104			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	72.8	48.4-104	5.71	10.8	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Benzo(a)pyrene	1330 ug/Kg	83.2	50.3-99.1			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	81.4	50.3-99.1	2.23	10.0	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Benzo(b)fluoranthene	1330 ug/Kg	94.1	52.8-97.4			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	93.9	52.8-97.4	0.212	29.2	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Benzo(g,h,i)perylene	1330 ug/Kg	73.8	31.4-122			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	74.3	31.4-122	0.710	30.4	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Benzo(k)fluoranthene	1330 ug/Kg	71.3	51.2-96.6			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	71.3	51.2-96.6	0.00728	68.3	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
bis(2-Chloroethoxy)Methane	1330 ug/Kg	74.0	43.5-91.9			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	68.8	43.5-91.9	5.94	16.9	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
bis(2-Chloroethyl)Ether	1330 ug/Kg	71.1	42.4-97.2			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	68.0	42.4-97.2	4.49	17.6	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
bis(2-Chloroisopropyl)Ether	1330 ug/Kg	80.7	44.6-97.8			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	76.3	44.6-97.8	5.54	14.2	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
bis(2-Ethylhexyl)Phthalate	1330 ug/Kg	91.2	42.9-118			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	83.5	42.9-118	8.80	20.2	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
4-Bromophenyl phenyl ether	1330 ug/Kg	73.0	47.3-105			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	70.5	47.3-105	3.57	16.9	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		





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**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
<b>Base/Neutral and Acid Compounds (Continued)</b>										
Butyl benzyl phthalate	1330 ug/Kg	91.7	54.2-97.0			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	89.1	54.2-97.0	2.83	21.0	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
4-Chloro-3-methylphenol	1330 ug/Kg	72.9	44.9-96.3			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	72.0	44.9-96.3	1.32	20.0	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
2-Chloronaphthalene	1330 ug/Kg	67.5	51.1-84.7			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	65.8	51.1-84.7	2.55	17.1	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
2-Chlorophenol	1330 ug/Kg	68.9	47.9-88.9			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	66.6	47.9-88.9	3.43	14.9	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
4-Chlorophenyl phenyl ether	1330 ug/Kg	70.9	45.6-90.0			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	67.7	45.6-90.0	4.69	16.9	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Chrysene	1330 ug/Kg	75.6	48.4-108			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	72.4	48.4-108	4.23	13.1	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Di-n-butyl phthalate	1330 ug/Kg	79.2	49.7-104			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	77.3	49.7-104	2.51	11.5	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Di-n-octyl phthalate	1330 ug/Kg	109	26.8-132			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	101	26.8-132	6.32	22.1	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Dibenz(a,h)anthracene	1330 ug/Kg	79.0	28.2-120			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	78.7	28.2-120	0.300	22.5	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
1,2-Dichlorobenzene	1330 ug/Kg	88.1	39.8-106			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	82.9	39.8-106	7.84	12.3	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
1,3-Dichlorobenzene	1330 ug/Kg	67.3	37.3-103			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	63.2	37.3-103	6.26	14.2	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
1,4-Dichlorobenzene	1330 ug/Kg	71.4	46.6-84.4			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	60.5	46.6-84.4	16.5	18.9	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
3,3'-Dichlorobenzidine	1330 ug/Kg	64.1	1.00-104			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	53.2	1.00-104	1.59	31.7	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
2,4-Dichlorophenol	1330 ug/Kg	68.1	46.8-89.6			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	67.2	46.8-89.6	1.26	22.3	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Diethyl phthalate	1330 ug/Kg	73.1	50.4-99.6			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	69.6	50.4-99.6	4.94	15.0	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Dimethyl phthalate	1330 ug/Kg	72.4	47.2-97.6			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	71.0	47.2-97.6	1.91	14.8	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
2,4-Dimethylphenol	1330 ug/Kg	67.7	15.4-115			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	58.9	15.4-115	14.0	36.5	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
4,6-Dinitro-2-methylphenol	1330 ug/Kg	102	37.3-114			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	106	37.3-114	6.19	35.4	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
2,4-Dinitrophenol	1330 ug/Kg	107	11.5-121			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	103	11.5-121	4.08	40.9	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
2,4-Dinitrotoluene	1330 ug/Kg	80.5	47.8-93.6			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	76.6	47.8-93.6	4.96	14.7	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
2,6-Dinitrotoluene	1330 ug/Kg	76.1	40.8-108			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	77.7	40.8-108	2.09	17.9	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
1,2-Diphenylhydrazine	1330 ug/Kg	71.6	43.0-107			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	70.3	43.0-107	1.77	28.5	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Fluoranthene	1330 ug/Kg	73.8	48.1-100			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	70.6	48.1-100	4.41	16.2	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		



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**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
<b>Base/Neutral and Acid Compounds (Continued)</b>										
Fluorene	1330 ug/Kg	71.5	45.2-93.8			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	68.1	45.2-93.8	4.84	20.6	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Hexachlorobenzene	1330 ug/Kg	77.8	43.7-107			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	69.2	43.7-107	11.7	13.8	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Hexachlorobutadiene	1330 ug/Kg	68.1	42.7-102			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	70.4	42.7-102	3.34	17.2	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Hexachlorocyclopentadiene	1330 ug/Kg	78.3	29.8-115			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	74.6	29.8-115	4.83	21.0	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Hexachloroethane	1330 ug/Kg	72.8	47.3-96.7			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	68.6	47.3-96.7	5.74	17.8	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Indeno(1,2,3-cd)pyrene	1330 ug/Kg	83.6	33.9-116			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	81.9	33.9-116	2.05	28.2	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Isophorone	1330 ug/Kg	76.0	41.1-107			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	70.5	41.1-107	7.47	16.9	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
2-Methylphenol	1330 ug/Kg	69.3	41.2-106			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	67.9	41.2-106	1.83	16.5	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
N-Nitroso-di-n-propylamine	1330 ug/Kg	77.0	42.3-99.5			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	72.3	42.3-99.5	6.29	18.4	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
n-Nitrosodiphenylamine	1330 ug/Kg	71.5	42.1-104			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	69.1	42.1-104	3.40	15.7	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Naphthalene	1330 ug/Kg	69.7	44.0-108			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	67.0	44.0-108	3.91	13.1	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Nitrobenzene	1330 ug/Kg	74.7	38.9-100			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	73.6	38.9-100	1.55	14.7	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
2-Nitrophenol	1330 ug/Kg	81.7	46.2-105			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	81.8	46.2-105	0.208	23.5	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
4-Nitrophenol	1330 ug/Kg	76.1	35.9-104			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	70.6	35.9-104	7.54	26.0	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Pentachlorophenol	1330 ug/Kg	75.4	20.9-106			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	68.1	20.9-106	8.71	32.2	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Phenanthrene	1330 ug/Kg	71.3	45.7-106			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	68.4	45.7-106	2.65	31.6	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Phenol	1330 ug/Kg	68.1	35.4-107			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	65.9	35.4-107	0.289	16.7	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Pyrene	1330 ug/Kg	76.9	45.0-106			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	78.0	45.0-106	1.44	42.4	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
1,2,4-Trichlorobenzene	1330 ug/Kg	72.3	45.9-96.7			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	67.6	45.9-96.7	6.71	17.8	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
2,4,6-Trichlorophenol	1330 ug/Kg	72.5	50.5-90.3			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	68.4	50.5-90.3	5.76	18.2	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
2,4,6-Trichlorophenol	1330 ug/Kg	70.4	47.2-95.8			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	73.6	47.2-95.8	4.54	22.7	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
<b>Base/Neutral and Acid Compounds Surrogates:</b>										
2-Fluorobiphenyl	1330 ug/Kg	78.1	41.7-103			B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	74.2	41.7-103	-	-	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		



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**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
2-Fluorophenol	1330 ug/Kg	78.3	26.4-107	-	-	B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	74.1	26.4-107	-	-	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Nitrobenzene-D5	1330 ug/Kg	85.1	35.0-106	-	-	B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	80.9	35.0-106	-	-	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
Terphenyl-D14	1330 ug/Kg	89.1	40.1-118	-	-	B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	88.2	40.1-118	-	-	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
2,4,6-Tribromophenol	1330 ug/Kg	89.3	25.5-114	-	-	B12929	22Aug22 1151 by 348	23Aug22 2036 by 271		
	1330 ug/Kg	92.9	25.5-114	-	-	B12929	22Aug22 1151 by 348	23Aug22 2111 by 271		
<b>Volatile Organic Compounds</b>										
Acetone	100 ug/Kg	82.7	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Benzene	50.0 ug/Kg	92.1	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Bromobenzene	50.0 ug/Kg	100	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Bromochloromethane	50.0 ug/Kg	97.8	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Bromodichloromethane	50.0 ug/Kg	98.3	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Bromoform	50.0 ug/Kg	98.3	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Bromomethane	50.0 ug/Kg	80.1	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
2-Butanone	100 ug/Kg	89.9	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Carbon disulfide	100 ug/Kg	88.4	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Carbon tetrachloride	50.0 ug/Kg	104	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Chlorobenzene	50.0 ug/Kg	99.6	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Chloroethane	50.0 ug/Kg	87.2	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
2-Chloroethyl vinyl ether	100 ug/Kg	82.5	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Chloroform	50.0 ug/Kg	90.1	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Chloromethane	50.0 ug/Kg	80.8	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
2-Chlorotoluene	50.0 ug/Kg	100	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
4-Chlorotoluene	50.0 ug/Kg	103	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
1,2-Dibromo-3-chloropropane	50.0 ug/Kg	98.5	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Dibromochloromethane	50.0 ug/Kg	90.4	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
1,2-Dibromoethane	50.0 ug/Kg	100	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Dibromomethane	50.0 ug/Kg	97.9	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
1,2-Dichlorobenzene	50.0 ug/Kg	104	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
1,3-Dichlorobenzene	50.0 ug/Kg	106	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
1,4-Dichlorobenzene	50.0 ug/Kg	106	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Dichlorodifluoromethane	50.0 ug/Kg	101	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
1,1-Dichloroethane	50.0 ug/Kg	95.6	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
1,2-Dichloroethane	50.0 ug/Kg	93.5	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
1,1-Dichloroethane	50.0 ug/Kg	88.5	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
cis-1,2-Dichloroethane	50.0 ug/Kg	100	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
trans-1,2-Dichloroethane	50.0 ug/Kg	85.8	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
1,2-Dichloropropane	50.0 ug/Kg	94.8	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
1,3-Dichloropropane	50.0 ug/Kg	93.3	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
2,2-Dichloropropane	50.0 ug/Kg	113	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		



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**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	DII	Qual
<b>Volatile Organic Compounds (Continued)</b>										
1,1-Dichloropropene	50.0 ug/Kg	97.8	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
cis-1,3-Dichloropropene	50.0 ug/Kg	104	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
trans-1,3-Dichloropropene	50.0 ug/Kg	114	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Ethylbenzene	50.0 ug/Kg	108	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Hexachlorobutadiene	50.0 ug/Kg	117	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
2-Hexanone	100 ug/Kg	91.3	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Isopropylbenzene	50.0 ug/Kg	106	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
m&p-Xylenes	100 ug/Kg	108	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
4-Methyl-2-pentanone	100 ug/Kg	95.4	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Methylene chloride	50.0 ug/Kg	93.1	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
n-Butylbenzene	50.0 ug/Kg	120	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
n-Propylbenzene	50.0 ug/Kg	111	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Naphthalene	50.0 ug/Kg	117	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
o-Xylene	50.0 ug/Kg	106	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
p-Isopropyltoluene	50.0 ug/Kg	113	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
sec-Butylbenzene	50.0 ug/Kg	115	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Styrene	50.0 ug/Kg	102	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
tert-Butylbenzene	50.0 ug/Kg	105	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
1,1,1,2-Tetrachloroethane	50.0 ug/Kg	98.2	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
1,1,2,2-Tetrachloroethane	50.0 ug/Kg	94.4	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Tetrachloroethene	50.0 ug/Kg	107	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Toluene	50.0 ug/Kg	102	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
1,2,3-Trichlorobenzene	50.0 ug/Kg	119	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
1,2,4-Trichlorobenzene	50.0 ug/Kg	127	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
1,1,1-Trichloroethane	50.0 ug/Kg	103	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
1,1,2-Trichloroethane	50.0 ug/Kg	99.4	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Trichloroethane	50.0 ug/Kg	100	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Trichlorofluoromethane	50.0 ug/Kg	92.9	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
1,2,3-Trichloropropane	50.0 ug/Kg	95.0	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
1,2,4-Trimethylbenzene	50.0 ug/Kg	109	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
1,3,5-Trimethylbenzene	50.0 ug/Kg	107	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Vinyl acetate	100 ug/Kg	111	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Vinyl chloride	50.0 ug/Kg	86.7	70.0-130			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
<b>Volatile Organic Compounds Surrogates:</b>										
4-Bromofluorobenzene	10.0 ug/Kg	102	59.6-135			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Dibromofluoromethane	10.0 ug/Kg	100	85.9-114			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
Toluene-D8	10.0 ug/Kg	99.4	60.3-134			V10348	23Aug22 1028 by 271	24Aug22 1102 by 271		
<b>Organochlorine Pesticides</b>										
Aldrin	6.67 ug/Kg	57.0	41.0-87.8			G12137	22Aug22 1019 by 348	25Aug22 1927 by 271		
	6.67 ug/Kg	56.2	41.0-87.8	1.41	20.2	G12137	22Aug22 1019 by 348	25Aug22 1964 by 271		



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**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
<b>Organochlorine Pesticides (Continued)</b>										
alpha-BHC	6.67 ug/Kg	60.3	38.8-105			G12137	22Aug22 1019 by 348	25Aug22 1927 by 271		
	6.67 ug/Kg	58.3	38.8-105	3.37	24.0	G12137	22Aug22 1019 by 348	25Aug22 1954 by 271		
alpha-Endosulfan	6.67 ug/Kg	62.1	41.1-97.7			G12137	22Aug22 1019 by 348	25Aug22 1927 by 271		
	6.67 ug/Kg	59.3	41.1-97.7	4.61	18.1	G12137	22Aug22 1019 by 348	25Aug22 1954 by 271		
beta-BHC	6.67 ug/Kg	81.6	49.9-94.7			G12137	22Aug22 1019 by 348	25Aug22 1927 by 271		
	6.67 ug/Kg	66.6	49.9-94.7	20.2	28.4	G12137	22Aug22 1019 by 348	25Aug22 1954 by 271		
beta-Endosulfan	6.67 ug/Kg	69.3	48.2-100			G12137	22Aug22 1019 by 348	25Aug22 1927 by 271		
	6.67 ug/Kg	67.4	48.2-100	2.78	20.0	G12137	22Aug22 1019 by 348	25Aug22 1954 by 271		
cis-Chlordane	6.67 ug/Kg	69.5	37.9-118			G12137	22Aug22 1019 by 348	25Aug22 1927 by 271		
	6.67 ug/Kg	68.3	37.9-118	1.74	27.6	G12137	22Aug22 1019 by 348	25Aug22 1954 by 271		
trans-Chlordane	6.67 ug/Kg	63.0	43.1-104			G12137	22Aug22 1019 by 348	25Aug22 1927 by 271		
	6.67 ug/Kg	61.1	43.1-104	3.06	18.9	G12137	22Aug22 1019 by 348	25Aug22 1954 by 271		
4,4'-DDD	6.67 ug/Kg	71.5	45.7-114			G12137	22Aug22 1019 by 348	25Aug22 1927 by 271		
	6.67 ug/Kg	69.8	45.7-114	2.41	23.3	G12137	22Aug22 1019 by 348	25Aug22 1954 by 271		
4,4'-DDE	6.67 ug/Kg	65.3	35.8-110			G12137	22Aug22 1019 by 348	25Aug22 1927 by 271		
	6.67 ug/Kg	62.4	35.8-110	4.54	24.3	G12137	22Aug22 1019 by 348	25Aug22 1954 by 271		
4,4'-DDT	6.67 ug/Kg	74.8	56.5-124			G12137	22Aug22 1019 by 348	25Aug22 1927 by 271		
	6.67 ug/Kg	71.1	56.5-124	5.07	29.6	G12137	22Aug22 1019 by 348	25Aug22 1954 by 271		
delta-BHC	6.67 ug/Kg	68.8	54.4-101			G12137	22Aug22 1019 by 348	25Aug22 1927 by 271		
	6.67 ug/Kg	64.5	54.4-101	6.45	28.6	G12137	22Aug22 1019 by 348	25Aug22 1954 by 271		
Dieldrin	6.67 ug/Kg	88.8	42.2-105			G12137	22Aug22 1019 by 348	25Aug22 1927 by 271		
	6.67 ug/Kg	66.5	42.2-105	3.11	25.5	G12137	22Aug22 1019 by 348	25Aug22 1954 by 271		
Endosulfan sulfate	6.67 ug/Kg	71.2	50.0-102			G12137	22Aug22 1019 by 348	25Aug22 1927 by 271		
	6.67 ug/Kg	71.1	50.0-102	0.141	21.0	G12137	22Aug22 1019 by 348	25Aug22 1954 by 271		
Endrin	6.67 ug/Kg	66.9	50.6-98.4			G12137	22Aug22 1019 by 348	25Aug22 1927 by 271		
	6.67 ug/Kg	64.8	50.6-98.4	3.19	27.7	G12137	22Aug22 1019 by 348	25Aug22 1954 by 271		
Endrin aldehyde	6.67 ug/Kg	86.2	15.6-126			G12137	22Aug22 1019 by 348	25Aug22 1927 by 271		
	6.67 ug/Kg	81.9	15.6-126	5.12	27.3	G12137	22Aug22 1019 by 348	25Aug22 1954 by 271		
gamma-BHC	6.67 ug/Kg	65.7	50.1-92.9			G12137	22Aug22 1019 by 348	25Aug22 1927 by 271		
	6.67 ug/Kg	66.1	50.1-92.9	0.607	31.8	G12137	22Aug22 1019 by 348	25Aug22 1954 by 271		
Heptachlor	6.67 ug/Kg	61.8	44.4-93.8			G12137	22Aug22 1019 by 348	25Aug22 1927 by 271		
	6.67 ug/Kg	58.6	44.4-93.8	4.88	23.4	G12137	22Aug22 1019 by 348	25Aug22 1954 by 271		
Heptachlor epoxide	6.67 ug/Kg	63.2	47.2-95.6			G12137	22Aug22 1019 by 348	25Aug22 1927 by 271		
	6.67 ug/Kg	60.9	47.2-95.6	3.71	28.4	G12137	22Aug22 1019 by 348	25Aug22 1954 by 271		
Methoxychlor	6.67 ug/Kg	85.0	58.5-113			G12137	22Aug22 1019 by 348	25Aug22 1927 by 271		
	6.67 ug/Kg	81.9	58.5-113	3.71	31.4	G12137	22Aug22 1019 by 348	25Aug22 1954 by 271		
<b>Organochlorine Pesticides Surrogates:</b>										
Decachlorobiphenyl	13.3 ug/Kg	87.9	36.8-126			G12137	22Aug22 1019 by 348	25Aug22 1927 by 271		
	13.3 ug/Kg	85.8	36.8-126	-	-	G12137	22Aug22 1019 by 348	25Aug22 1954 by 271		
Tetrachloro-m-xylene	13.3 ug/Kg	61.8	33.9-126			G12137	22Aug22 1019 by 348	25Aug22 1927 by 271		
	13.3 ug/Kg	63.2	33.9-126	-	-	G12137	22Aug22 1019 by 348	25Aug22 1954 by 271		



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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Recoverable Phenolics	267982-1	0.1 mg/l	84.6	82.0-123	W80513		15Aug22 0815 by 375		
	267982-1	0.1 mg/l	81.4	82.0-123	W80513		15Aug22 0815 by 375		
	Relative Percent Difference:		3.42	10.0		W80513			
Total Cyanide	268039-2	0.1 mg/l	83.4	85.2-124	W80524	16Aug22 0710 by 375	16Aug22 1104 by 382		
	268039-2	0.1 mg/l	82.8	85.2-124	W80524	16Aug22 0710 by 375	16Aug22 1108 by 382		
	Relative Percent Difference:		0.697	13.2		W80524			
Antimony	268007-1	0.02 mg/l	104	75.0-125	S53036	15Aug22 0837 by 313	15Aug22 1202 by 313		
	268007-1	0.02 mg/l	106	75.0-125	S53036	15Aug22 0837 by 313	15Aug22 1205 by 313		
	Relative Percent Difference:		1.00	20.0		S53036			
Arsenic	268007-1	0.02 mg/l	100	75.0-125	S53036	15Aug22 0837 by 313	15Aug22 1202 by 313		
	268007-1	0.02 mg/l	98.5	75.0-125	S53036	15Aug22 0837 by 313	16Aug22 1205 by 313		
	Relative Percent Difference:		1.58	20.0		S53036			
Beryllium	268007-1	0.02 mg/l	87.4	75.0-125	S53036	15Aug22 0837 by 313	15Aug22 1202 by 313		
	268007-1	0.02 mg/l	87.2	75.0-125	S53036	15Aug22 0837 by 313	15Aug22 1205 by 313		
	Relative Percent Difference:		0.287	20.0		S53036			
Cadmium	268007-1	0.02 mg/l	99.4	75.0-125	S53036	15Aug22 0837 by 313	15Aug22 1202 by 313		
	268007-1	0.02 mg/l	99.0	75.0-125	S53036	15Aug22 0837 by 313	15Aug22 1205 by 313		
	Relative Percent Difference:		0.464	20.0		S53036			
Chromium	268007-1	0.02 mg/l	98.3	75.0-125	S53036	15Aug22 0837 by 313	15Aug22 1202 by 313		
	268007-1	0.02 mg/l	97.3	75.0-125	S53036	15Aug22 0837 by 313	15Aug22 1205 by 313		
	Relative Percent Difference:		1.01	20.0		S53036			
Copper	268007-1	0.02 mg/l	96.9	75.0-125	S53036	15Aug22 0837 by 313	15Aug22 1202 by 313		
	268007-1	0.02 mg/l	96.7	75.0-125	S53036	15Aug22 0837 by 313	15Aug22 1205 by 313		
	Relative Percent Difference:		0.153	20.0		S53036			
Lead	268007-1	0.02 mg/l	96.8	75.0-125	S53036	15Aug22 0837 by 313	15Aug22 1202 by 313		
	268007-1	0.02 mg/l	95.3	75.0-125	S53036	15Aug22 0837 by 313	15Aug22 1205 by 313		
	Relative Percent Difference:		1.55	20.0		S53036			
Molybdenum	268007-1	0.02 mg/l	103	75.0-125	S53036	15Aug22 0837 by 313	15Aug22 1202 by 313		
	268007-1	0.02 mg/l	101	75.0-125	S53036	15Aug22 0837 by 313	15Aug22 1205 by 313		
	Relative Percent Difference:		1.94	20.0		S53036			
Nickel	268007-1	0.02 mg/l	99.8	75.0-125	S53036	15Aug22 0837 by 313	15Aug22 1202 by 313		
	268007-1	0.02 mg/l	99.0	75.0-125	S53036	15Aug22 0837 by 313	15Aug22 1205 by 313		
	Relative Percent Difference:		0.723	20.0		S53036			
Selenium	268007-1	0.02 mg/l	98.2	75.0-125	S53036	15Aug22 0837 by 313	15Aug22 1202 by 313		
	268007-1	0.02 mg/l	95.3	75.0-125	S53036	15Aug22 0837 by 313	15Aug22 1205 by 313		
	Relative Percent Difference:		3.04	20.0		S53036			
Silver	268007-1	0.02 mg/l	96.3	75.0-125	S53036	15Aug22 0837 by 313	15Aug22 1202 by 313		
	268007-1	0.02 mg/l	95.8	75.0-125	S53036	15Aug22 0837 by 313	15Aug22 1205 by 313		
	Relative Percent Difference:		0.740	20.0		S53036			
Thallium	268007-1	0.02 mg/l	97.5	75.0-125	S53036	15Aug22 0837 by 313	15Aug22 1202 by 313		
	268007-1	0.02 mg/l	96.6	75.0-125	S53036	15Aug22 0837 by 313	15Aug22 1205 by 313		
	Relative Percent Difference:		0.870	20.0		S53036			
Zinc	268007-1	0.02 mg/l	-	75.0-125	S53036	15Aug22 0837 by 313	15Aug22 1215 by 313	6	X
	268007-1	0.02 mg/l	-	75.0-125	S53036	15Aug22 0837 by 313	15Aug22 1227 by 313	6	X
	Relative Percent Difference:		6.67	20.0		S53036			
Total Cyanide	268039-3	9.72 mg/Kg	83.6	56.8-119	W80531	16Aug22 1334 by 375	17Aug22 0823 by 352		
	268039-3	9.84 mg/Kg	81.0	56.8-119	W80531	16Aug22 1334 by 375	17Aug22 0825 by 352		
	Relative Percent Difference:		2.90	13.0		W80531			
Total Recoverable Phenolics	268039-3	983 mg/Kg	75.8	14.8-149	W80569		19Aug22 0822 by 330		
	268039-3	981 mg/Kg	82.2	14.8-149	W80569		19Aug22 0822 by 330		
	Relative Percent Difference:		7.51	10.0		W80569			

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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike		Limits	Batch	Preparation Date	Analysis Date	DII	Qual
		Amount	%						
Antimony	267936-18	199 mg/Kg	78.3	75.0-125	S53039	15Aug22 1105 by 328	15Aug22 1750 by 328		
	267936-18	199 mg/Kg	82.0	75.0-125	S53039	15Aug22 1105 by 328	15Aug22 1753 by 328		
	Relative Percent Difference:		4.56	20.0	S53039				
Arsenic	267936-18	199 mg/Kg	99.6	75.0-125	S53039	15Aug22 1105 by 328	15Aug22 1750 by 328		
	267936-18	199 mg/Kg	99.6	75.0-125	S53039	15Aug22 1105 by 328	15Aug22 1753 by 328		
	Relative Percent Difference:		0.197	20.0	S53039				
Beryllium	267936-18	1.99 mg/Kg	99.4	75.0-125	S53039	15Aug22 1105 by 328	15Aug22 1750 by 328		
	267936-18	1.99 mg/Kg	92.8	75.0-125	S53039	15Aug22 1105 by 328	15Aug22 1753 by 328		
	Relative Percent Difference:		4.20	20.0	S53039				
Cadmium	267936-18	19.9 mg/Kg	90.1	75.0-125	S53039	15Aug22 1105 by 328	15Aug22 1750 by 328		
	267936-18	19.9 mg/Kg	87.7	75.0-125	S53039	15Aug22 1105 by 328	15Aug22 1753 by 328		
	Relative Percent Difference:		2.40	20.0	S53039				
Chromium	267936-18	19.9 mg/Kg	89.8	75.0-125	S53039	15Aug22 1105 by 328	15Aug22 1750 by 328		
	267936-18	19.9 mg/Kg	90.4	75.0-125	S53039	15Aug22 1105 by 328	15Aug22 1753 by 328		
	Relative Percent Difference:		0.900	20.0	S53039				
Copper	267936-18	19.9 mg/Kg	82.0	75.0-125	S53039	15Aug22 1105 by 328	15Aug22 1750 by 328		
	267936-18	19.9 mg/Kg	79.4	75.0-125	S53039	15Aug22 1105 by 328	15Aug22 1753 by 328		
	Relative Percent Difference:		0.797	20.0	S53039				
Lead	267936-18	199 mg/Kg	84.0	75.0-125	S53039	15Aug22 1105 by 328	15Aug22 1750 by 328		
	267936-18	199 mg/Kg	83.2	75.0-125	S53039	15Aug22 1105 by 328	15Aug22 1753 by 328		
	Relative Percent Difference:		0.737	20.0	S53039				
Nickel	267936-18	19.9 mg/Kg	86.5	75.0-125	S53039	15Aug22 1105 by 328	15Aug22 1750 by 328		
	267936-18	19.9 mg/Kg	84.2	75.0-125	S53039	15Aug22 1105 by 328	15Aug22 1753 by 328		
	Relative Percent Difference:		2.46	20.0	S53039				
Selenium	267936-18	199 mg/Kg	100	75.0-125	S53039	15Aug22 1105 by 328	15Aug22 1750 by 328		
	267936-18	199 mg/Kg	97.4	75.0-125	S53039	15Aug22 1105 by 328	15Aug22 1753 by 328		
	Relative Percent Difference:		2.57	20.0	S53039				
Silver	267936-18	3.98 mg/Kg	79.8	75.0-125	S53039	15Aug22 1105 by 328	15Aug22 1750 by 328		
	267936-18	3.99 mg/Kg	81.5	75.0-125	S53039	15Aug22 1105 by 328	15Aug22 1753 by 328		
	Relative Percent Difference:		2.24	20.0	S53039				
Thallium	267936-18	199 mg/Kg	82.4	75.0-125	S53039	15Aug22 1105 by 328	15Aug22 1750 by 328		
	267936-18	199 mg/Kg	82.5	75.0-125	S53039	15Aug22 1105 by 328	15Aug22 1753 by 328		
	Relative Percent Difference:		0.316	20.0	S53039				
Zinc	267936-18	19.9 mg/Kg	102	75.0-125	S53039	15Aug22 1105 by 328	15Aug22 1750 by 328		
	267936-18	19.9 mg/Kg	76.4	75.0-125	S53039	15Aug22 1105 by 328	15Aug22 1753 by 328		
	Relative Percent Difference:		7.74	20.0	S53039				
Mercury	268017-1	2.47 mg/Kg	115	75.0-125	S53055	18Aug22 1319 by 313	18Aug22 1430 by 313		
	268017-1	2.46 mg/Kg	115	75.0-125	S53055	18Aug22 1319 by 313	18Aug22 1432 by 313		
	Relative Percent Difference:		0.271	20.0	S53055				
<b>Volatile Organic Compounds</b>									
Acroteln	268039-2	250 ug/l	0.593	40.0-160	V10346	12Aug22 1957 by 271	12Aug22 1957 by 271		Q
	268039-2	250 ug/l	0.599	40.0-160	V10346	12Aug22 2027 by 271	12Aug22 2027 by 271		Q
	Relative Percent Difference:		1.08	60.0	V10346				
Acrylonitrile	268039-2	250 ug/l	95.0	40.0-160	V10346	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	250 ug/l	95.2	40.0-160	V10346	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		0.145	60.0	V10346				
Benzene	268039-2	50 ug/l	98.4	37.0-151	V10346	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	96.7	37.0-151	V10346	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		1.33	61.0	V10346				

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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	DII	Qual
Bromodichloromethane	268039-2	50 ug/l	103	35.0-155	V10346	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	106	35.0-155	V10346	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		2.89	58.0	V10346				
Bromoform	268039-2	50 ug/l	94.7	45.0-189	V10346	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	97.2	45.0-189	V10346	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		2.55	42.0	V10346				
Bromomethane	268039-2	50 ug/l	91.3	1.00-242	V10346	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	96.7	1.00-242	V10346	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		5.66	81.0	V10346				
Carbon tetrachloride	268039-2	50 ug/l	102	70.0-140	V10346	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	105	70.0-140	V10346	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		3.22	41.0	V10346				
Chlorobenzene	268039-2	50 ug/l	103	37.0-160	V10346	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	104	37.0-160	V10346	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		0.684	53.0	V10346				
Chloroethane	268039-2	50 ug/l	93.9	14.0-230	V10346	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	95.7	14.0-230	V10346	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		1.91	78.0	V10346				
2-Chloroethyl vinyl ether	268039-2	100 ug/l	113	1.00-305	V10346	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	100 ug/l	117	1.00-305	V10346	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		3.33	71.0	V10346				
Chloroform	268039-2	50 ug/l	103	51.0-138	V10346	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	104	51.0-138	V10346	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		0.562	54.0	V10346				
Chloromethane	268039-2	50 ug/l	94.1	1.00-273	V10346	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	96.9	1.00-273	V10346	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		2.91	60.0	V10346				
Dibromochloromethane	268039-2	50 ug/l	91.1	53.0-149	V10346	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	93.3	53.0-149	V10346	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		2.37	50.0	V10346				
1,2-Dichlorobenzene	268039-2	50 ug/l	103	18.0-190	V10346	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	104	18.0-190	V10346	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		1.50	57.0	V10346				
1,3-Dichlorobenzene	268039-2	50 ug/l	104	59.0-156	V10346	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	106	59.0-156	V10346	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		0.925	43.0	V10346				
1,4-Dichlorobenzene	268039-2	50 ug/l	103	18.0-190	V10346	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	105	18.0-190	V10346	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		1.21	57.0	V10346				
1,1-Dichloroethane	268039-2	50 ug/l	103	59.0-155	V10346	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	106	59.0-155	V10346	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		2.76	40.0	V10346				
1,2-Dichloroethane	268039-2	50 ug/l	93.6	49.0-155	V10346	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	97.8	49.0-155	V10346	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		4.54	49.0	V10346				
1,1-Dichloroethene	268039-2	50 ug/l	98.6	1.00-234	V10346	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	101	1.00-234	V10346	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		2.76	32.0	V10346				
trans-1,2-Dichloroethene	268039-2	50 ug/l	101	54.0-156	V10346	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	103	54.0-156	V10346	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		2.60	45.0	V10346				





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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
<b>Volatile Organic Compounds (Continued)</b>									
1,2-Dichloropropane	268039-2	50 ug/l	101	1.00-210	V10348	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	103	1.00-210	V10348	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		2.11	55.0	V10348				
cis-1,3-Dichloropropene	268039-2	50 ug/l	104	1.00-227	V10348	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	106	1.00-227	V10348	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		2.20	58.0	V10348				
trans-1,3-Dichloropropene	268039-2	50 ug/l	110	17.0-183	V10348	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	111	17.0-183	V10348	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		1.27	86.0	V10348				
Ethylbenzene	268039-2	50 ug/l	111	37.0-162	V10348	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	113	37.0-162	V10348	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		1.76	63.0	V10348				
Methylene chloride	268039-2	50 ug/l	94.6	1.00-221	V10348	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	97.7	1.00-221	V10348	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		3.22	28.0	V10348				
1,1,2,2-Tetrachloroethane	268039-2	50 ug/l	91.2	46.0-157	V10348	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	93.9	46.0-157	V10348	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		2.89	61.0	V10348				
Tetrachloroethene	268039-2	50 ug/l	105	64.0-148	V10348	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	108	64.0-148	V10348	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		2.32	39.0	V10348				
Toluene	268039-2	50 ug/l	105	47.0-150	V10348	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	108	47.0-150	V10348	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		3.06	41.0	V10348				
1,1,1-Trichloroethane	268039-2	50 ug/l	102	52.0-162	V10348	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	106	52.0-162	V10348	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		4.28	36.0	V10348				
1,1,2-Trichloroethane	268039-2	50 ug/l	98.8	52.0-150	V10348	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	100	52.0-150	V10348	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		1.16	45.0	V10348				
Trichloroethene	268039-2	50 ug/l	104	70.0-157	V10348	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	106	70.0-157	V10348	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		2.14	48.0	V10348				
Vinyl chloride	268039-2	50 ug/l	98.4	1.00-251	V10348	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	50 ug/l	103	1.00-251	V10348	12Aug22 2027 by 271	12Aug22 2027 by 271		
	Relative Percent Difference:		4.20	66.0	V10348				
<b>Volatile Organic Compounds Surrogates:</b>									
4-Bromofluorobenzene	268039-2	10 ug/l	103	87.2-109	V10348	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	10 ug/l	102	87.2-109	V10348	12Aug22 2027 by 271	12Aug22 2027 by 271		
Dibromofluoromethane	268039-2	10 ug/l	101	86.9-111	V10348	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	10 ug/l	101	86.9-111	V10348	12Aug22 2027 by 271	12Aug22 2027 by 271		
Toluene-D8	268039-2	10 ug/l	102	89.2-109	V10348	12Aug22 1957 by 271	12Aug22 1957 by 271		
	268039-2	10 ug/l	101	89.2-109	V10348	12Aug22 2027 by 271	12Aug22 2027 by 271		
<b>Organochlorine Pesticides and PCBs</b>									
Aldrin	268020-7	10 ug/l	76.5	42.0-140	G12132	15Aug22 1040 by 348	18Aug22 1745 by 271		
alpha-BHC	268020-7	10 ug/l	83.8	37.0-140	G12132	15Aug22 1040 by 348	18Aug22 1745 by 271		
alpha-Endosulfan	268020-7	10 ug/l	84.7	45.0-153	G12132	15Aug22 1040 by 348	18Aug22 1745 by 271		



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Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	DII	Qual
<b>Organochlorine Pesticides and PCBs (Continued)</b>									
beta-BHC	268020-7	10 ug/l	90.8	17.0-147	G12132	15Aug22 1040 by 348	18Aug22 1745 by 271		
beta-Endosulfan	268020-7	10 ug/l	87.6	1.00-202	G12132	15Aug22 1040 by 348	18Aug22 1745 by 271		
cis-Chlordane	268020-7	10 ug/l	74.8	45.0-140	G12132	15Aug22 1040 by 348	18Aug22 1745 by 271		
trans-Chlordane	268020-7	10 ug/l	55.0	45.0-140	G12132	15Aug22 1040 by 348	18Aug22 1745 by 271		
Chlorpyrifos	268020-7	10 ug/l	98.4	19.7-125	G12132	15Aug22 1040 by 348	18Aug22 1745 by 271		
4,4'-DDD	268020-7	10 ug/l	77.7	31.0-141	G12132	15Aug22 1040 by 348	18Aug22 1745 by 271		
4,4'-DDE	268020-7	10 ug/l	66.1	30.0-145	G12132	15Aug22 1040 by 348	18Aug22 1745 by 271		
4,4'-DDT	268020-7	10 ug/l	114	25.0-160	G12132	15Aug22 1040 by 348	18Aug22 1745 by 271		
delta-BHC	268020-7	10 ug/l	89.8	19.0-140	G12132	15Aug22 1040 by 348	18Aug22 1745 by 271		
Dieldrin	268020-7	10 ug/l	93.0	36.0-146	G12132	15Aug22 1040 by 348	18Aug22 1745 by 271		
Endosulfan sulfate	268020-7	10 ug/l	87.5	28.0-144	G12132	15Aug22 1040 by 348	18Aug22 1745 by 271		
Endrin	268020-7	10 ug/l	83.4	30.0-147	G12132	15Aug22 1040 by 348	18Aug22 1745 by 271		
Endrin aldehyde	268020-7	10 ug/l	78.3	21.0-120	G12132	15Aug22 1040 by 348	18Aug22 1745 by 271		
gamma-BHC	268020-7	10 ug/l	83.9	32.0-140	G12132	15Aug22 1040 by 348	18Aug22 1745 by 271		
Heptachlor	268020-7	10 ug/l	74.0	34.0-140	G12132	15Aug22 1040 by 348	18Aug22 1745 by 271		
Heptachlor epoxide	268020-7	10 ug/l	85.7	37.0-142	G12132	15Aug22 1040 by 348	18Aug22 1745 by 271		
<b>Organochlorine Pesticides and PCBs Surrogates:</b>									
Decachlorobiphenyl	268020-7	20 ug/l	45.2	1.00-87.5	G12132	15Aug22 1040 by 348	18Aug22 1745 by 271		
Tetrachloro-m-xylene	268020-7	20 ug/l	85.2	18.0-104	G12132	15Aug22 1040 by 348	18Aug22 1745 by 271		
<b>Base/Neutral and Acid Compounds</b>									
3 & 4-Methylphenol	268039-3	1300 ug/Kg	67.7	37.6-96.0	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	73.8	37.6-96.0	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		8.04	17.9					
Acenaphthene	268039-3	1300 ug/Kg	85.0	24.3-99.3	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	71.3	24.3-99.3	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		9.05	18.8					
Acenaphthylene	268039-3	1300 ug/Kg	82.3	20.7-96.3	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	69.8	20.7-96.3	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		11.2	18.8					
Anthracene	268039-3	1300 ug/Kg	72.6	33.5-94.1	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	79.9	33.5-94.1	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		9.28	51.2					
Benzo(a)anthracene	268039-3	1300 ug/Kg	82.9	1.00-133	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	88.4	1.00-133	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		6.45	10.8					
Benzo(a)pyrene	268039-3	1300 ug/Kg	81.4	8.40-112	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	89.5	8.40-112	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		9.33	10.0					
Benzo(b)fluoranthene	268039-3	1300 ug/Kg	89.2	13.3-118	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	101	13.3-118	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		12.1	29.2					
Benzo(g,h,i)perylene	268039-3	1300 ug/Kg	78.9	1.00-103	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	85.4	1.00-103	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		10.4	30.4					

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Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
<b>Base/Neutral and Acid Compounds (Continued)</b>									
Benzo(k)fluoranthene	268039-3	1300 ug/Kg	62.4	1.00-146	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	70.1	1.00-146	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		11.6	88.3	B12929				
bis(2-Chloroethoxy)Methane	268039-3	1300 ug/Kg	67.6	24.9-96.7	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	71.7	24.9-96.7	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		5.77	16.9	B12929				
bis(2-Chloroethyl)Ether	268039-3	1300 ug/Kg	63.9	35.2-87.2	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	67.2	35.2-87.2	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		4.96	17.6	B12929				
bis(2-Chloroisopropyl)Ether	268039-3	1300 ug/Kg	64.2	12.1-115	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	67.3	12.1-115	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		4.40	14.2	B12929				
bis(2-Ethylhexyl)Phthalate	268039-3	1300 ug/Kg	98.7	31.2-115	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	98.4	31.2-115	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		0.252	20.2	B12929				
4-Bromophenyl phenyl ether	268039-3	1300 ug/Kg	69.2	32.0-99.2	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	82.1	32.0-99.2	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		17.0	16.9	B12929				
Butyl benzyl phthalate	268039-3	1300 ug/Kg	108	29.6-127	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	110	29.6-127	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		2.08	21.0	B12929				
4-Chloro-3-methylphenol	268039-3	1300 ug/Kg	69.4	27.3-94.5	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	78.6	27.3-94.5	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		11.8	20.0	B12929				
2-Chloronaphthalene	268039-3	1300 ug/Kg	62.8	17.9-98.3	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	71.0	17.9-98.3	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		12.1	17.1	B12929				
2-Chlorophenol	268039-3	1300 ug/Kg	60.8	27.9-91.5	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	69.9	27.9-91.5	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		13.8	14.9	B12929				
4-Chlorophenyl phenyl ether	268039-3	1300 ug/Kg	68.5	25.7-100	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	74.0	25.7-100	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		7.63	16.9	B12929				
Chrysene	268039-3	1300 ug/Kg	72.8	23.8-101	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	76.4	23.8-101	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		4.81	13.1	B12929				
Di-n-butyl phthalate	268039-3	1300 ug/Kg	77.8	18.8-106	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	87.3	18.8-106	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		11.4	11.5	B12929				
Di-n-octyl phthalate	268039-3	1300 ug/Kg	125	29.1-141	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	137	29.1-141	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		9.45	22.1	B12929				
Dibenz(a,h)anthracene	268039-3	1300 ug/Kg	83.8	1.00-102	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	93.4	1.00-102	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		10.9	22.5	B12929				
1,2-Dichlorobenzene	268039-3	1300 ug/Kg	55.4	32.5-83.5	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	59.8	32.5-83.5	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		7.48	12.3	B12929				

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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	DII	Qual
1,3-Dichlorobenzene	268039-3	1300 ug/Kg	53.6	31.9-80.3	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	57.1	31.9-80.3	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		6.25	14.2	B12929				
1,4-Dichlorobenzene	268039-3	1300 ug/Kg	58.2	22.6-88.8	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	62.8	22.6-88.8	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		7.52	18.9	B12929				
3,3'-Dichlorobenzidine	268039-3	1300 ug/Kg	67.1	1.00-91.0	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	67.0	1.00-91.0	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		0.171	31.7	B12929				
2,4-Dichlorophenol	268039-3	1300 ug/Kg	65.0	18.7-97.3	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	72.8	18.7-97.3	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		11.2	22.3	B12929				
Diethyl phthalate	268039-3	1300 ug/Kg	71.1	31.7-101	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	80.4	31.7-101	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		12.2	15.0	B12929				
Dimethyl phthalate	268039-3	1300 ug/Kg	67.8	32.9-94.1	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	78.4	32.9-94.1	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		11.9	14.8	B12929				
2,4-Dimethylphenol	268039-3	1300 ug/Kg	69.6	5.60-98.6	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	67.2	5.60-98.6	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		3.64	36.5	B12929				
4,6-Dinitro-2-methylphenol	268039-3	1300 ug/Kg	94.5	1.00-130	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	116	1.00-130	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		19.4	35.4	B12929				
2,4-Dinitrophenol	268039-3	1300 ug/Kg	115	1.00-89.5	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		Q
	268039-3	1300 ug/Kg	133	1.00-89.5	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		Q
	Relative Percent Difference:		13.8	40.9	B12929				
2,4-Dinitrotoluene	268039-3	1300 ug/Kg	82.2	28.4-101	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	87.5	28.4-101	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		6.21	14.7	B12929				
2,6-Dinitrotoluene	268039-3	1300 ug/Kg	74.3	25.8-101	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	86.4	25.8-101	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		15.0	17.9	B12929				
1,2-Diphenylhydrazine	268039-3	1300 ug/Kg	72.9	2.50-112	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	77.1	2.50-112	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		5.48	28.5	B12929				
Fluoranthene	268039-3	1300 ug/Kg	70.8	1.00-143	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	79.5	1.00-143	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		11.6	18.2	B12929				
Fluorene	268039-3	1300 ug/Kg	69.2	32.9-95.9	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	76.0	32.9-95.9	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		9.31	20.8	B12929				
Hexachlorobenzene	268039-3	1300 ug/Kg	64.6	23.7-104	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	71.4	23.7-104	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		9.90	13.8	B12929				
Hexachlorobutadiene	268039-3	1300 ug/Kg	57.1	25.2-85.8	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	64.9	25.2-85.8	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		12.7	17.2	B12929				
Hexachlorocyclopentadiene	268039-3	1300 ug/Kg	30.6	1.00-128	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	46.3	1.00-128	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		40.5	21.0	B12929				

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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	DII	Qual
<b>Base/Neutral and Acid Compounds (Continued)</b>									
Hexachloroethane	268039-3	1300 ug/Kg	54.5	1.00-95.8	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	63.1	1.00-95.8	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		14.4	17.8	B12929				
Indeno(1,2,3-cd)pyrene	268039-3	1300 ug/Kg	86.7	1.00-103	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	92.2	1.00-103	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		6.16	28.2	B12929				
Isophorone	268039-3	1300 ug/Kg	69.2	20.3-95.3	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	78.2	20.3-95.3	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		9.46	16.9	B12929				
2-Methylphenol	268039-3	1300 ug/Kg	63.3	31.5-96.3	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	70.7	31.5-96.3	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		10.9	18.5	B12929				
N-Nitroso-di-n-propylamine	268039-3	1300 ug/Kg	60.0	14.3-94.1	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	74.1	14.3-94.1	B12929	22Aug22 1161 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		18.5	18.4	B12929				
n-Nitrosodiphenylamine	268039-3	1300 ug/Kg	69.5	25.3-102	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	74.4	25.3-102	B12929	22Aug22 1161 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		6.66	15.7	B12929				
Naphthalene	268039-3	1300 ug/Kg	60.5	21.9-92.7	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	63.6	21.9-92.7	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		4.73	13.1	B12929				
Nitrobenzene	268039-3	1300 ug/Kg	64.3	16.9-97.9	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	71.2	16.9-97.9	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		10.1	14.7	B12929				
2-Nitrophenol	268039-3	1300 ug/Kg	75.4	10.4-105	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	86.7	10.4-105	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		13.9	23.5	B12929				
4-Nitrophenol	268039-3	1300 ug/Kg	80.7	1.00-101	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	83.6	1.00-101	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		3.45	26.0	B12929				
Pentachlorophenol	268039-3	1300 ug/Kg	92.8	1.00-126	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	89.9	1.00-126	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		3.00	32.2	B12929				
Phenanthrene	268039-3	1300 ug/Kg	68.1	27.7-98.5	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	72.3	27.7-98.5	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		5.96	31.6	B12929				
Phenol	268039-3	1300 ug/Kg	67.6	32.0-90.0	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	72.4	32.0-90.0	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		6.71	16.7	B12929				
Pyrene	268039-3	1300 ug/Kg	70.6	1.00-149	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	79.3	1.00-149	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		11.5	42.4	B12929				
1,2,4-Trichlorobenzene	268039-3	1300 ug/Kg	58.1	25.9-87.7	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	63.5	25.9-87.7	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		8.70	17.8	B12929				
2,4,5-Trichlorophenol	268039-3	1300 ug/Kg	68.4	31.6-102	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	80.9	31.6-102	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		16.6	18.2	B12929				



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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	DII	Qual
2,4,6-Trichlorophenol	268039-3	1300 ug/Kg	72.8	19.7-106	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	81.5	19.7-106	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
	Relative Percent Difference:		11.2	22.7	B12929				
<b>Basic/Neutral and Acid Compounds Surrogates:</b>									
2-Fluorobiphenyl	268039-3	1300 ug/Kg	68.5	45.0-105	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	75.0	45.0-105	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
2-Fluorophenol	268039-3	1300 ug/Kg	66.5	35.0-105	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	72.5	35.0-105	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
Nitrobenzene-D5	268039-3	1300 ug/Kg	73.7	35.0-100	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	76.8	35.0-100	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
Terphenyl-D14	268039-3	1300 ug/Kg	81.9	30.0-125	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	90.7	30.0-125	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
2,4,6-Tribromophenol	268039-3	1300 ug/Kg	90.6	35.0-125	B12929	22Aug22 1151 by 348	23Aug22 2147 by 271		
	268039-3	1300 ug/Kg	97.2	35.0-125	B12929	22Aug22 1151 by 348	23Aug22 2222 by 271		
<b>Volatile Organic Compounds</b>									
Acetone	268039-3	100 ug/Kg	0.00	1.00-195	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		Q
	268039-3	100 ug/Kg	0.00	1.00-195	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		Q
	Relative Percent Difference:		0.00	64.4	V10348				
Benzene	268039-3	50 ug/Kg	13.6	40.7-149	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		Q
	268039-3	50 ug/Kg	33.4	40.7-149	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		Q
	Relative Percent Difference:		84.5	61.0	V10348				Q
Bromobenzene	268039-3	50 ug/Kg	16.7	13.9-149	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	37.6	13.9-149	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		77.1	21.1	V10348				Q
Bromochloromethane	268039-3	50 ug/Kg	29.7	45.4-140	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		Q
	268039-3	50 ug/Kg	61.5	45.4-140	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		69.9	16.5	V10348				Q
Bromodichloromethane	268039-3	50 ug/Kg	0.00	1.00-169	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		Q
	268039-3	50 ug/Kg	1.39	1.00-169	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		200	56.0	V10348				Q
Bromoform	268039-3	50 ug/Kg	0.00	1.00-176	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		Q
	268039-3	50 ug/Kg	0.00	1.00-176	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		Q
	Relative Percent Difference:		0.00	42.0	V10348				
Bromomethane	268039-3	50 ug/Kg	0.226	1.00-191	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		Q
	268039-3	50 ug/Kg	1.63	1.00-191	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		151	61.0	V10348				Q
2-Butanone	268039-3	100 ug/Kg	0.393	15.4-169	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		Q
	268039-3	100 ug/Kg	0.640	15.4-169	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		Q
	Relative Percent Difference:		47.8	65.9	V10348				
Carbon disulfide	268039-3	100 ug/Kg	11.9	15.1-163	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		Q
	268039-3	100 ug/Kg	36.8	15.1-163	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		103	19.8	V10348				Q
Carbon tetrachloride	268039-3	50 ug/Kg	5.19	1.00-172	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	12.3	1.00-172	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		81.0	41.0	V10348				Q
Chlorobenzene	268039-3	50 ug/Kg	16.1	16.3-158	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		Q
	268039-3	50 ug/Kg	36.4	16.3-158	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		77.2	53.0	V10348				Q

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Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Chloroethane	268039-3	50 ug/Kg	68.0	20.4-166	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	85.0	20.4-166	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		22.2	78.0	V10348				
2-Chloroethyl vinyl ether	268039-3	100 ug/Kg	14.4	1.00-150	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	100 ug/Kg	32.7	1.00-150	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		77.5	71.0	V10348				
Chloroform	268039-3	50 ug/Kg	52.4	39.3-141	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	70.8	39.3-141	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		30.0	54.0	V10348				
Chloromethane	268039-3	50 ug/Kg	24.1	30.4-156	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		Q
	268039-3	50 ug/Kg	48.0	30.4-156	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		68.2	60.0	V10348				
2-Chlorotoluene	268039-3	50 ug/Kg	19.8	5.70-156	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	47.7	5.70-156	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		82.6	41.7	V10348				
4-Chlorotoluene	268039-3	50 ug/Kg	17.6	1.00-168	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	41.8	1.00-168	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		81.8	68.2	V10348				
1,2-Dibromo-3-chloropropane	268039-3	50 ug/Kg	4.46	1.00-160	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	13.9	1.00-160	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		103	61.7	V10348				
Dibromochloromethane	268039-3	50 ug/Kg	0.00	1.00-183	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		Q
	268039-3	50 ug/Kg	0.00	1.00-183	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		Q
	Relative Percent Difference:		0.00	50.0	V10348				
1,2-Dibromoethane	268039-3	50 ug/Kg	0.00	1.00-188	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		Q
	268039-3	50 ug/Kg	0.00	1.00-188	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		Q
	Relative Percent Difference:		0.00	29.8	V10348				
Dibromomethane	268039-3	50 ug/Kg	22.1	48.3-135	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		Q
	268039-3	50 ug/Kg	46.5	48.3-135	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		Q
	Relative Percent Difference:		71.1	49.6	V10348				
1,2-Dichlorobenzene	268039-3	50 ug/Kg	26.9	1.00-153	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	53.8	1.00-153	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		66.7	57.0	V10348				
1,3-Dichlorobenzene	268039-3	50 ug/Kg	30.8	1.00-154	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	60.1	1.00-154	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		64.5	43.0	V10348				
1,4-Dichlorobenzene	268039-3	50 ug/Kg	32.5	1.00-150	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	60.8	1.00-150	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		60.7	57.0	V10348				
Dichlorodifluoromethane	268039-3	50 ug/Kg	97.8	6.40-194	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	104	6.40-194	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		6.13	61.8	V10348				
1,1-Dichloroethane	268039-3	50 ug/Kg	67.8	38.3-155	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	85.0	38.3-155	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		22.3	40.0	V10348				
1,2-Dichloroethane	268039-3	50 ug/Kg	41.2	35.1-140	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	61.5	35.1-140	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		39.6	49.0	V10348				
1,1-Dichloroethene	268039-3	50 ug/Kg	69.5	1.00-179	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	88.9	1.00-179	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		24.5	32.0	V10348				

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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
<b>Volatile Organic Compounds (Continued)</b>									
cis-1,2-Dichloroethene	268039-3	50 ug/Kg	37.9	38.8-158	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		Q
	268039-3	50 ug/Kg	70.4	38.8-158	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		59.9	69.6	V10348				
trans-1,2-Dichloroethene	268039-3	50 ug/Kg	63.1	40.3-156	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	85.5	40.3-156	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		30.1	45.0	V10348				
1,2-Dichloropropane	268039-3	50 ug/Kg	49.5	1.00-164	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	70.0	1.00-164	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		34.3	55.0	V10348				
1,3-Dichloropropane	268039-3	50 ug/Kg	25.1	27.4-142	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		Q
	268039-3	50 ug/Kg	48.0	27.4-142	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		Q
	Relative Percent Difference:		62.7	22.4	V10348				
2,2-Dichloropropane	268039-3	50 ug/Kg	67.8	14.7-169	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	77.1	14.7-169	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		12.8	65.6	V10348				
1,1-Dichloropropene	268039-3	50 ug/Kg	40.6	22.9-165	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	69.4	22.9-165	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		62.4	63.9	V10348				
cis-1,3-Dichloropropene	268039-3	50 ug/Kg	0.00	1.00-182	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		Q
	268039-3	50 ug/Kg	0.00	1.00-182	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		Q
	Relative Percent Difference:		0.00	58.0	V10348				
trans-1,3-Dichloropropene	268039-3	50 ug/Kg	0.00	1.00-188	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		Q
	268039-3	50 ug/Kg	0.00	1.00-188	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		Q
	Relative Percent Difference:		0.00	86.0	V10348				
Ethylbenzene	268039-3	50 ug/Kg	18.0	1.00-160	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	41.9	1.00-160	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		79.9	63.0	V10348				
Hexachlorobutadiene	268039-3	50 ug/Kg	8.13	1.00-154	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	16.5	1.00-154	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		67.8		V10348				
2-Hexanone	268039-3	100 ug/Kg	1.22	1.00-194	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	100 ug/Kg	0.00	1.00-194	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		Q
	Relative Percent Difference:		200	69.3	V10348				
Isopropylbenzene	268039-3	50 ug/Kg	15.4	1.00-156	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	38.5	1.00-156	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		85.6	62.1	V10348				
m&p-Xylenes	268039-3	100 ug/Kg	16.7	1.00-169	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	100 ug/Kg	34.0	1.00-169	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		68.1	40.3	V10348				
4-Methyl-2-pentanone	268039-3	100 ug/Kg	1.74	1.00-162	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	100 ug/Kg	3.08	1.00-162	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		56.0	48.7	V10348				
Methylene chloride	268039-3	50 ug/Kg	47.3	38.8-138	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	86.4	38.8-138	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		58.4	28.0	V10348				
n-Butylbenzene	268039-3	50 ug/Kg	9.26	1.00-185	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	24.8	1.00-185	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		81.2	71.9	V10348				





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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
n-Propylbenzene	268039-3	50 ug/Kg	14.8	1.00-152	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	37.3	1.00-152	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		87.3	81.8	V10348				
Naphthalene	268039-3	50 ug/Kg	13.1	1.00-158	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	26.8	1.00-158	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		68.6	61.4	V10348				
o-Xylene	268039-3	50 ug/Kg	16.8	1.00-161	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	34.5	1.00-161	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		69.1	36.6	V10348				
p-Isopropyltoluene	268039-3	50 ug/Kg	10.0	11.5-162	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	25.9	11.5-162	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		88.5	53.1	V10348				
sec-Butylbenzene	268039-3	50 ug/Kg	12.3	1.00-177	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	34.6	1.00-177	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		95.1	53.9	V10348				
Styrene	268039-3	50 ug/Kg	12.8	1.00-143	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	23.9	1.00-143	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		62.2	19.1	V10348				
tert-Butylbenzene	268039-3	50 ug/Kg	14.9	1.00-170	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	43.1	1.00-170	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		97.4	37.8	V10348				
1,1,1,2-Tetrachloroethane	268039-3	50 ug/Kg	1.01	6.20-156	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	3.54	6.20-156	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		111	59.5	V10348				
1,1,2,2-Tetrachloroethane	268039-3	50 ug/Kg	46.2	21.0-156	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	71.7	21.0-156	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		43.3	61.0	V10348				
Tetrachloroethane	268039-3	50 ug/Kg	50.3	11.4-161	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	78.1	11.4-161	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		43.3	39.0	V10348				
Toluene	268039-3	50 ug/Kg	14.1	1.00-181	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	26.2	1.00-181	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		60.4	41.0	V10348				
1,2,3-Trichlorobenzene	268039-3	50 ug/Kg	14.3	1.00-184	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	33.4	1.00-184	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		79.9	47.9	V10348				
1,2,4-Trichlorobenzene	268039-3	50 ug/Kg	17.1	1.00-193	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	37.3	1.00-193	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		74.3	43.0	V10348				
1,1,1-Trichloroethane	268039-3	50 ug/Kg	58.2	4.10-166	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	66.0	4.10-166	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		12.6	36.0	V10348				
1,1,2-Trichloroethane	268039-3	50 ug/Kg	46.0	8.00-145	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	68.5	8.00-145	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		39.4	45.0	V10348				
Trichloroethane	268039-3	50 ug/Kg	51.1	14.9-151	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	78.5	14.9-151	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		42.3	48.0	V10348				
Trichlorofluoromethane	268039-3	50 ug/Kg	60.3	27.8-163	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	62.2	27.8-163	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		3.16	84.0	V10348				

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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
<b>Volatile Organic Compounds (Continued)</b>									
1,2,3-Trichloropropane	268039-3	50 ug/Kg	50.0	1.00-154	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	77.2	1.00-154	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		42.9	64.7	V10348				
1,2,4-Trimethylbenzene	268039-3	50 ug/Kg	14.8	1.00-189	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	34.6	1.00-189	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		Q
	Relative Percent Difference:		80.2	42.4	V10348				
1,3,5-Trimethylbenzene	268039-3	50 ug/Kg	15.1	1.10-168	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	37.0	1.10-168	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		Q
	Relative Percent Difference:		84.3	61.1	V10348				
Vinyl acetate	268039-3	100 ug/Kg	0.00	1.00-160	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		Q
	268039-3	100 ug/Kg	0.00	1.00-160	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		Q
	Relative Percent Difference:		0.00	99.2	V10348				
Vinyl chloride	268039-3	50 ug/Kg	61.3	26.7-171	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	50 ug/Kg	88.5	26.7-171	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
	Relative Percent Difference:		38.4	66.0	V10348				
<b>Volatile Organic Compounds Surrogates:</b>									
4-Bromofluorobenzene	268039-3	10 ug/Kg	98.1	71.5-129	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	10 ug/Kg	98.1	71.5-129	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
Dibromofluoromethane	268039-3	10 ug/Kg	101	68.3-131	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	10 ug/Kg	104	68.3-131	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
Toluene-D8	268039-3	10 ug/Kg	103	78.2-119	V10348	23Aug22 1028 by 271	24Aug22 1300 by 271		
	268039-3	10 ug/Kg	104	78.2-119	V10348	23Aug22 1028 by 271	24Aug22 1330 by 271		
<b>Organochlorine Pesticides</b>									
Aldrin	268039-3	29.2 ug/Kg	65.1	7.10-125	G12137	22Aug22 1019 by 348	25Aug22 2021 by 271		
alpha-BHC	268039-3	29.2 ug/Kg	63.9	19.9-133	G12137	22Aug22 1019 by 348	25Aug22 2021 by 271		
alpha-Endosulfan	268039-3	29.2 ug/Kg	64.7	8.40-129	G12137	22Aug22 1019 by 348	25Aug22 2021 by 271		
beta-BHC	268039-3	29.2 ug/Kg	78.8	25.1-127	G12137	22Aug22 1019 by 348	25Aug22 2021 by 271		
beta-Endosulfan	268039-3	29.2 ug/Kg	51.8	9.30-128	G12137	22Aug22 1019 by 348	25Aug22 2021 by 271		
cis-Chlordane	268039-3	29.2 ug/Kg	68.5	70.0-130	G12137	22Aug22 1019 by 348	25Aug22 2021 by 271		Q
trans-Chlordane	268039-3	29.2 ug/Kg	34.2	70.0-130	G12137	22Aug22 1019 by 348	25Aug22 2021 by 271		Q
4,4'-DDD	268039-3	29.2 ug/Kg	58.1	2.80-131	G12137	22Aug22 1019 by 348	25Aug22 2021 by 271		
4,4'-DDE	268039-3	29.2 ug/Kg	48.2	10.7-126	G12137	22Aug22 1019 by 348	25Aug22 2021 by 271		
4,4'-DDT	268039-3	29.2 ug/Kg	62.7	21.3-120	G12137	22Aug22 1019 by 348	25Aug22 2021 by 271		
delta-BHC	268039-3	29.2 ug/Kg	56.1	1.00-167	G12137	22Aug22 1019 by 348	25Aug22 2021 by 271		
Dieldrin	268039-3	29.2 ug/Kg	72.8	17.6-127	G12137	22Aug22 1019 by 348	25Aug22 2021 by 271		
Endosulfan sulfate	268039-3	29.2 ug/Kg	51.1	1.80-153	G12137	22Aug22 1019 by 348	25Aug22 2021 by 271		
Endrin	268039-3	29.2 ug/Kg	48.6	10.2-143	G12137	22Aug22 1019 by 348	25Aug22 2021 by 271		
Endrin aldehyde	268039-3	29.2 ug/Kg	35.2	35.0-145	G12137	22Aug22 1019 by 348	25Aug22 2021 by 271		
gamma-BHC	268039-3	29.2 ug/Kg	65.9	7.20-139	G12137	22Aug22 1019 by 348	25Aug22 2021 by 271		
Heptachlor	268039-3	29.2 ug/Kg	97.7	24.6-127	G12137	22Aug22 1019 by 348	25Aug22 2021 by 271		
Heptachlor epoxide	268039-3	29.2 ug/Kg	62.8	15.1-138	G12137	22Aug22 1019 by 348	25Aug22 2021 by 271		
Methoxychlor	268039-3	29.2 ug/Kg	71.8	1.00-168	G12137	22Aug22 1019 by 348	25Aug22 2021 by 271		
<b>Organochlorine Pesticides Surrogates:</b>									
Decachlorobiphenyl	268039-3	58.4 ug/Kg	75.6	11.2-120	G12137	22Aug22 1019 by 348	25Aug22 2021 by 271		



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**MATRIX SPIKE SAMPLE RESULTS**

<u>Analyte</u>	<u>Sample</u>	<u>Spike Amount</u>	<u>%</u>	<u>Limits</u>	<u>Batch</u>	<u>Preparation Date</u>	<u>Analysis Date</u>	<u>Dil</u>	<u>Qual</u>
<b>Organochlorine Pesticides (Continued)</b>									
<b>Organochlorine Pesticides Surrogates:</b>									
Tetrachloro-m-xylene	268039-3	58.4 ug/Kg	56.2	6.80-99.2	G12137	22Aug22 1019 by 348	25Aug22 2021 by 271		

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**LABORATORY BLANK RESULTS**

Analyte	Result	RL	LOQ	QC Sample	Preparation Date	Analysis Date	Qual
Total Recoverable Phenolics	< 0.0050 mg/l	0.0050	0.005	W80513-1		15Aug22 0815 by 375	
Total Cyanide	< 0.0076 mg/l	0.0076	0.01	W80524-1	16Aug22 0710 by 375	16Aug22 1059 by 352	
Antimony	< 0.02 mg/l	0.02	0.03	S53036-1	15Aug22 0837 by 313	15Aug22 1155 by 313	
Arsenic	< 0.0004 mg/l	0.0004	0.0005	S53036-1	15Aug22 0837 by 313	15Aug22 1155 by 313	
Beryllium	< 0.0003 mg/l	0.0003	0.0005	S53036-1	15Aug22 0837 by 313	15Aug22 1155 by 313	
Cadmium	< 0.0003 mg/l	0.0003	0.0005	S53036-1	15Aug22 0837 by 313	15Aug22 1155 by 313	
Chromium	< 0.005 mg/l	0.005	0.01	S53036-1	15Aug22 0837 by 313	15Aug22 1155 by 313	
Copper	< 0.0003 mg/l	0.0003	0.0005	S53036-1	15Aug22 0837 by 313	16Aug22 1155 by 313	
Lead	< 0.0003 mg/l	0.0003	0.0005	S53036-1	15Aug22 0837 by 313	15Aug22 1155 by 313	
Molybdenum	< 0.005 mg/l	0.005	0.01	S53036-1	15Aug22 0837 by 313	15Aug22 1155 by 313	
Nickel	< 0.0003 mg/l	0.0003	0.0005	S53036-1	15Aug22 0837 by 313	15Aug22 1155 by 313	
Selenium	< 0.001 mg/l	0.001	0.002	S53036-1	15Aug22 0837 by 313	15Aug22 1155 by 313	
Silver	< 0.0003 mg/l	0.0003	0.0005	S53036-1	16Aug22 0837 by 313	15Aug22 1155 by 313	
Thallium	< 0.0003 mg/l	0.0003	0.0005	S53036-1	15Aug22 0837 by 313	15Aug22 1155 by 313	
Zinc	< 0.005 mg/l	0.005	0.01	S53036-1	15Aug22 0837 by 313	15Aug22 1155 by 313	
Total Cyanide	< 0.083 mg/Kg	0.083	0.1	W80531-1	16Aug22 1334 by 375	17Aug22 0818 by 352	
Total Recoverable Phenolics	< 1.3 mg/Kg	1.3	2.5	W80589-1		19Aug22 0822 by 330	
Antimony	< 3 mg/Kg	3	6	S53039-1	15Aug22 1105 by 328	15Aug22 1744 by 328	
Arsenic	< 3 mg/Kg	3	5	S53039-1	16Aug22 1105 by 328	15Aug22 1744 by 328	
Beryllium	< 0.03 mg/Kg	0.03	0.05	S53039-1	15Aug22 1105 by 328	15Aug22 1744 by 328	
Cadmium	< 0.2 mg/Kg	0.2	0.4	S53039-1	15Aug22 1105 by 328	15Aug22 1744 by 328	
Chromium	< 0.5 mg/Kg	0.5	1	S53039-1	15Aug22 1105 by 328	15Aug22 1744 by 328	
Copper	< 0.6 mg/Kg	0.6	1	S53039-1	15Aug22 1105 by 328	15Aug22 1744 by 328	
Lead	< 2 mg/Kg	2	4	S53039-1	15Aug22 1105 by 328	15Aug22 1744 by 328	
Nickel	< 0.6 mg/Kg	0.6	1	S53039-1	15Aug22 1105 by 328	15Aug22 1744 by 328	
Selenium	< 4 mg/Kg	4	7	S53039-1	15Aug22 1105 by 328	15Aug22 1744 by 328	
Silver	< 0.4 mg/Kg	0.4	0.7	S53039-1	15Aug22 1105 by 328	15Aug22 1744 by 328	
Thallium	< 2 mg/Kg	2	4	S53039-1	15Aug22 1105 by 328	15Aug22 1744 by 328	
Zinc	< 0.5 mg/Kg	0.5	1	S53039-1	15Aug22 1105 by 328	15Aug22 1744 by 328	
Mercury	< 0.05 mg/Kg	0.05	0.1	S53055-1	18Aug22 1319 by 313	18Aug22 1427 by 313	
<b>Base/Neutral and Acid Compounds</b>							
Acenaphthene	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Acenaphthylene	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Anthracene	< 2.7 ug/l	2.7	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Benzidine	< 49 ug/l	49	50	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Benzo(a)anthracene	< 2.6 ug/l	2.6	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Benzo(a)pyrene	< 2.6 ug/l	2.6	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Benzo(g,h,i)perylene	< 5.0 ug/l	5.0	10	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Benzo(k)fluoranthene	< 3.1 ug/l	3.1	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
3,4-Benzofluoranthene	< 5.0 ug/l	5.0	10	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Bis(2-chloroethoxy)methane	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Bis(2-chloroethyl)ether	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Bis(2-chloroisopropyl)ether	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Bis(2-ethylhexyl)phthalate	< 3.2 ug/l	3.2	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
4-Bromophenyl phenyl ether	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Butylbenzyl phthalate	< 3.1 ug/l	3.1	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
2-Chloronaphthalene	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
2-Chlorophenol	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
4-Chlorophenyl phenyl ether	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Chrysene	< 2.8 ug/l	2.8	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	

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**LABORATORY BLANK RESULTS**

Analyte	Result	RL	LOQ	QC Sample	Preparation Date	Analysis Date	Qual
<b>Base/Neutral and Acid Compounds</b>							
Di-n-butyl phthalate	< 2.7 ug/l	2.7	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Di-n-octyl phthalate	< 3.8 ug/l	3.8	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Dibenz(a,h)anthracene	< 4.0 ug/l	4.0	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
1,2-Dichlorobenzene	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
1,3-Dichlorobenzene	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
1,4-Dichlorobenzene	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
3,3'-Dichlorobenzidine	< 2.7 ug/l	2.7	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
2,4-Dichlorophenol	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Diethyl phthalate	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Dimethyl phthalate	< 2.0 ug/l	2.0	4.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
2,4-Dimethylphenol	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
4,6-Dinitro-o-cresol	< 5.6 ug/l	5.6	10	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
2,4-Dinitrophenol	< 5.0 ug/l	5.0	10	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
2,4-Dinitrotoluene	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
2,6-Dinitrotoluene	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
1,2-Diphenylhydrazine	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Fluoranthene	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Fluorene	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Hexachlorobenzene	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Hexachlorobutadiene	< 1.7 ug/l	1.7	2.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Hexachlorocyclopentadiene	< 5.0 ug/l	5.0	10	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Hexachloroethane	< 2.0 ug/l	2.0	4.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Indeno(1,2,3-cd)pyrene	< 4.1 ug/l	4.1	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Isophorone	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
n-Nitrosod-n-propylamine	< 5.0 ug/l	5.0	10	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
n-Nitrosodimethylamine	< 5.0 ug/l	5.0	10	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
n-Nitrosodiphenylamine	< 5.0 ug/l	5.0	10	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	R
Naphthalene	< 2.0 ug/l	2.0	4.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Nitrobenzene	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
2-Nitrophenol	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
4-Nitrophenol	< 3.7 ug/l	3.7	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
p-Chloro-m-cresol	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Pentachlorophenol	< 3.7 ug/l	3.7	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Phenanthrene	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Phenol	< 2.0 ug/l	2.0	4.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Pyrene	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
1,2,4-Trichlorobenzene	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
2,4,6-Trichlorophenol	< 2.5 ug/l	2.5	5.0	B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
<b>Base/Neutral and Acid Compounds Surrogates:</b>							
2-Fluorobiphenyl (52.2-106%)	74.7 %			B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
2-Fluorophenol (30.6-96.6%)	61.3 %			B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Nitrobenzene-D5 (57.2-105%)	76.3 %			B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
Terphenyl-D14 (53.8-120%)	75.8 %			B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
2,4,6-Tribromophenol (23.7-131%)	56.3 %			B12923-1	16Aug22 0835 by 348	17Aug22 2055 by 271	
<b>Volatile Organic Compounds</b>							
Acrolein	< 20 ug/l	20	20	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
Acrylonitrile	< 5.6 ug/l	5.6	10	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
Benzene	< 2.5 ug/l	2.5	5.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
Bromoform	< 2.5 ug/l	2.5	5.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	

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**LABORATORY BLANK RESULTS**

Analyte	Result	RL	LOQ	QC Sample	Preparation Date	Analysis Date	Qual
<b>Volatile Organic Compounds</b>							
Carbon tetrachloride	< 1.8 ug/l	1.8	2.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
Chlorobenzene	< 2.5 ug/l	2.5	5.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
Chlorodibromomethane	< 2.5 ug/l	2.5	5.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
Chloroethane	< 2.9 ug/l	2.9	5.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
2-Chloroethyl vinyl ether	< 5.0 ug/l	5.0	10	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
Chloroform	< 2.1 ug/l	2.1	4.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
1,2-Dichlorobenzene	< 2.5 ug/l	2.5	5.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
1,3-Dichlorobenzene	< 2.5 ug/l	2.5	5.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
1,4-Dichlorobenzene	< 2.5 ug/l	2.5	5.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
Dichlorobromomethane	< 2.5 ug/l	2.5	5.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
1,1-Dichloroethane	< 2.5 ug/l	2.5	5.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
1,2-Dichloroethane	< 2.5 ug/l	2.5	5.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
1,1-Dichloroethylene	< 2.6 ug/l	2.6	5.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
trans-1,2-Dichloroethylene	< 1.5 ug/l	1.5	2.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
1,2-Dichloropropane	< 2.5 ug/l	2.5	5.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
cis-1,3-Dichloropropylene	< 2.5 ug/l	2.5	5.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
trans-1,3-Dichloropropylene	< 2.5 ug/l	2.5	5.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
Ethylbenzene	< 2.5 ug/l	2.5	5.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
Methyl bromide(Bromomethane)	< 2.8 ug/l	2.8	5.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
Methyl chloride(Chloromethane)	< 2.7 ug/l	2.7	5.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
Methylene chloride	< 4.7 ug/l	4.7	5.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
1,1,2,2-Tetrachloroethane	< 2.5 ug/l	2.5	5.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
Tetrachloroethylene	< 2.6 ug/l	2.6	5.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
Toluene	< 3.2 ug/l	3.2	5.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
1,1,1-Trichloroethane	< 2.5 ug/l	2.5	5.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
1,1,2-Trichloroethane	< 2.5 ug/l	2.5	5.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
Trichloroethylene	< 2.5 ug/l	2.5	5.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
Vinyl chloride	< 1.6 ug/l	1.6	2.0	V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
<b>Volatile Organic Compounds Surrogates:</b>							
4-Bromofluorobenzene (85.9-112%)	92.4 %			V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
Dibromofluoromethane (90.9-109%)	98.7 %			V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
Toluene-D8 (87.2-112%)	97.8 %			V10346-1	12Aug22 1758 by 271	12Aug22 1758 by 271	
<b>Organochlorine Pesticides and PCBs</b>							
Aldrin	< 0.0050 ug/l	0.0050	0.010	G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
alpha-BHC	< 0.0037 ug/l	0.0037	0.0050	G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
alpha-Endosulfan	< 0.0050 ug/l	0.0050	0.010	G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
beta-BHC	< 0.0050 ug/l	0.0050	0.010	G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
beta-Endosulfan	< 0.0062 ug/l	0.0062	0.010	G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
cis-Chlordane	< 0.010 ug/l	0.010	0.020	G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
trans-Chlordane	< 0.010 ug/l	0.010	0.020	G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
Chlorpyrifos	< 0.010 ug/l	0.010	0.020	G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
4,4'-DDD	< 0.010 ug/l	0.010	0.020	G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
4,4'-DDE	< 0.0050 ug/l	0.0050	0.010	G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
4,4'-DDT	< 0.010 ug/l	0.010	0.020	G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
delta-BHC	< 0.010 ug/l	0.010	0.020	G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
Dieldrin	< 0.0036 ug/l	0.0036	0.0050	G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
Endosulfan sulfate	< 0.010 ug/l	0.010	0.020	G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
Endrin	< 0.0053 ug/l	0.0053	0.010	G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
Endrin aldehyde	< 0.042 ug/l	0.042	0.050	G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	

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**LABORATORY BLANK RESULTS**

Analyte	Result	RL	LOQ	QC Sample	Preparation Date	Analysis Date	Qual
<b>Organochlorine Pesticides and PCBs</b>							
gamma-BHC	< 0.0050 ug/l	0.0050	0.010	G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
Heptachlor	< 0.0044 ug/l	0.0044	0.0050	G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
Heptachlor epoxide	< 0.0050 ug/l	0.0050	0.010	G12132-1	16Aug22 1040 by 348	18Aug22 1625 by 271	
PCB 1016	< 0.056 ug/l	0.056	0.10	G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
PCB 1221	< 0.10 ug/l	0.10	0.10	G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
PCB 1232	< 0.10 ug/l	0.10	0.10	G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
PCB 1242	< 0.10 ug/l	0.10	0.10	G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
PCB 1248	< 0.10 ug/l	0.10	0.10	G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
PCB 1254	< 0.10 ug/l	0.10	0.10	G12132-1	16Aug22 1040 by 348	18Aug22 1625 by 271	
PCB 1260	< 0.050 ug/l	0.050	0.10	G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
Toxaphene	< 0.16 ug/l	0.16	0.20	G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
<b>Organochlorine Pesticides and PCBs Surrogates:</b>							
Decachlorobiphenyl (44.1-108%)	92.8 %			G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
Tetrachloro-m-xylene (49.0-104%)	89.6 %			G12132-1	15Aug22 1040 by 348	18Aug22 1625 by 271	
<b>Base/Neutral and Acid Compounds</b>							
3 & 4-Methylphenol	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Acenaphthene	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Acenaphthylene	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Anthracene	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Benzo(a)anthracene	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Benzo(a)pyrene	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Benzo(b)fluoranthene	< 340 ug/Kg	340	670	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Benzo(g,h,i)perylene	< 410 ug/Kg	410	670	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Benzo(k)fluoranthene	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
bis(2-Chloroethoxy)Methane	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
bis(2-Chloroethyl)Ether	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
bis(2-Chloroisopropyl)Ether	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
bis(2-Ethylhexyl)Phthalate	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
4-Bromophenyl phenyl ether	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Butyl benzyl phthalate	< 340 ug/Kg	340	670	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
4-Chloro-3-methylphenol	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
2-Chloronaphthalene	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
2-Chlorophenol	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
4-Chlorophenyl phenyl ether	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Chrysene	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Di-n-butyl phthalate	< 190 ug/Kg	190	270	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Di-n-octyl phthalate	< 270 ug/Kg	270	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Dibenz(a,h)anthracene	< 280 ug/Kg	280	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
1,2-Dichlorobenzene	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
1,3-Dichlorobenzene	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
1,4-Dichlorobenzene	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
3,3'-Dichlorobenzidine	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
2,4-Dichlorophenol	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Diethyl phthalate	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Dimethyl phthalate	< 140 ug/Kg	140	270	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
2,4-Dimethylphenol	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
4,6-Dinitro-2-methylphenol	< 340 ug/Kg	340	670	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
2,4-Dinitrophenol	< 340 ug/Kg	340	670	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
2,4-Dinitrotoluene	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	

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**LABORATORY BLANK RESULTS**

Analyte	Result	RL	LOQ	QC Sample	Preparation Date	Analysis Date	Qual
<b>Base/Neutral and Acid Compounds</b>							
2,6-Dinitrotoluene	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
1,2-Diphenylhydrazine	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Fluoranthene	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Fluorene	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Hexachlorobenzene	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Hexachlorobutadiene	< 100 ug/Kg	100	140	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Hexachlorocyclopentadiene	< 340 ug/Kg	340	670	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Hexachloroethane	< 140 ug/Kg	140	270	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Indeno(1,2,3-cd)pyrene	< 250 ug/Kg	250	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Isophorone	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
2-Methylphenol	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
N-Nitroso-di-n-propylamine	< 340 ug/Kg	340	670	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
n-Nitrosodiphenylamine	< 340 ug/Kg	340	670	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	R
Naphthalene	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Nitrobenzene	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
2-Nitrophenol	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
4-Nitrophenol	< 240 ug/Kg	240	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Pentachlorophenol	< 180 ug/Kg	180	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Phenanthrene	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Phenol	< 170 ug/Kg	170	270	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Pyrene	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
1,2,4-Trichlorobenzene	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
2,4,5-Trichlorophenol	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
2,4,6-Trichlorophenol	< 170 ug/Kg	170	340	B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
<b>Base/Neutral and Acid Compounds Surrogates:</b>							
2-Fluorobiphenyl (41.7-103%)	73.7 %			B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
2-Fluorophenol (26.4-107%)	69.8 %			B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Nitrobenzene-D5 (35.0-106%)	76.8 %			B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
Terphenyl-D14 (40.1-116%)	93.0 %			B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
2,4,6-Tribromophenol (25.5-114%)	73.6 %			B12929-1	22Aug22 1151 by 348	23Aug22 2002 by 271	
<b>Volatile Organic Compounds</b>							
Acetone	< 34 ug/Kg	34	40	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Benzene	< 3.0 ug/Kg	3.0	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Bromobenzene	< 3.6 ug/Kg	3.6	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Bromochloromethane	< 2.9 ug/Kg	2.9	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Bromodichloromethane	< 3.0 ug/Kg	3.0	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Bromoform	< 3.1 ug/Kg	3.1	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Bromomethane	< 4.9 ug/Kg	4.9	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
2-Butanone	< 6.8 ug/Kg	6.8	10	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Carbon disulfide	< 10 ug/Kg	10	20	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Carbon Tetrachloride	< 3.8 ug/Kg	3.8	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Chlorobenzene	< 3.0 ug/Kg	3.0	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Chloroethane	< 3.9 ug/Kg	3.9	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
2-Chloroethyl vinyl ether	< 6.3 ug/Kg	6.3	10	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Chloroform	< 3.9 ug/Kg	3.9	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Chloromethane	< 5.0 ug/Kg	5.0	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
2-Chlorotoluene	< 4.1 ug/Kg	4.1	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
4-Chlorotoluene	< 4.1 ug/Kg	4.1	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
1,2-Dibromo-3-chloropropane	< 3.0 ug/Kg	3.0	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	





Springdale Water Utilities  
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**LABORATORY BLANK RESULTS**

Analyte	Result	RL	LOQ	QC Sample	Preparation Date	Analysis Date	Qual
<b>Volatile Organic Compounds</b>							
Dibromochloromethane	< 3.1 ug/Kg	3.1	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
1,2-Dibromoethane	< 2.6 ug/Kg	2.6	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Dibromomethane	< 2.7 ug/Kg	2.7	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
1,2-Dichlorobenzene	< 3.2 ug/Kg	3.2	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
1,3-Dichlorobenzene	< 4.0 ug/Kg	4.0	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
1,4-Dichlorobenzene	< 3.4 ug/Kg	3.4	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Dichlorodifluoromethane	< 5.0 ug/Kg	5.0	10	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
1,1-Dichloroethane	< 3.2 ug/Kg	3.2	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
1,2-Dichloroethane	< 2.8 ug/Kg	2.8	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
1,1-Dichloroethane	< 4.3 ug/Kg	4.3	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
cis-1,2-Dichloroethene	< 2.9 ug/Kg	2.9	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
trans-1,2-Dichloroethene	< 3.3 ug/Kg	3.3	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
1,2-Dichloropropane	< 3.1 ug/Kg	3.1	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
1,3-Dichloropropane	< 2.8 ug/Kg	2.8	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
2,2-Dichloropropane	< 4.9 ug/Kg	4.9	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
1,1-Dichloropropene	< 3.8 ug/Kg	3.8	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
cis-1,3-Dichloropropene	< 4.9 ug/Kg	4.9	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
trans-1,3-Dichloropropene	< 2.9 ug/Kg	2.9	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Ethylbenzene	< 3.3 ug/Kg	3.3	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Hexachlorobutadiene	< 4.7 ug/Kg	4.7	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
2-Hexanone	< 6.2 ug/Kg	6.2	10	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Isopropylbenzene	< 4.5 ug/Kg	4.5	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
m&p-Xylenes	< 7.1 ug/Kg	7.1	10	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
4-Methyl-2-pentanone	< 6.5 ug/Kg	6.5	10	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Methylene chloride	< 10 ug/Kg	10	20	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
n-Butylbenzene	< 5.0 ug/Kg	5.0	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
n-Propylbenzene	< 4.8 ug/Kg	4.8	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Naphthalene	< 4.5 ug/Kg	4.5	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
o-Xylenes	< 3.1 ug/Kg	3.1	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
p-Isopropyltoluene	< 4.6 ug/Kg	4.6	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
sec-Butylbenzene	< 4.2 ug/Kg	4.2	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Styrene	< 2.8 ug/Kg	2.8	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
tert-Butylbenzene	< 3.9 ug/Kg	3.9	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
1,1,1,2-Tetrachloroethane	< 3.0 ug/Kg	3.0	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
1,1,2,2-Tetrachloroethane	< 3.6 ug/Kg	3.6	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Tetrachloroethane	< 4.1 ug/Kg	4.1	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Toluene	< 3.2 ug/Kg	3.2	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
1,2,3-Trichlorobenzene	< 4.1 ug/Kg	4.1	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
1,2,4-Trichlorobenzene	< 4.6 ug/Kg	4.6	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
1,1,1-Trichloroethane	< 4.0 ug/Kg	4.0	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
1,1,2-Trichloroethane	< 2.8 ug/Kg	2.8	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Trichloroethene	< 2.9 ug/Kg	2.9	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Trichlorofluoromethane	< 4.3 ug/Kg	4.3	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
1,2,3-Trichloropropene	< 3.7 ug/Kg	3.7	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
1,2,4-Trimethylbenzene	< 4.8 ug/Kg	4.8	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
1,3,5-Trimethylbenzene	< 4.8 ug/Kg	4.8	5.0	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Vinyl acetate	< 8.8 ug/Kg	8.8	10	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
Vinyl chloride	< 5.0 ug/Kg	5.0	10	V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	
<b>Volatile Organic Compounds Surrogates:</b>							
4-Bromofluorobenzene (59.8-135%)	97.6 %			V10348-1	23Aug22 1028 by 271	24Aug22 1201 by 271	

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**LABORATORY BLANK RESULTS**

Analyte	Result	RL	LOQ	QC Sample	Preparation Date	Analysis Date	Qual
<b>Volatile Organic Compounds</b>							
<b>Volatile Organic Compounds Surrogates:</b>							
Dibromofluoromethane (85.9-114%)	94.2 %			V10348-1	23Aug22 1026 by 271	24Aug22 1201 by 271	
Toluene-D8 (60.3-134%)	98.9 %			V10348-1	23Aug22 1026 by 271	24Aug22 1201 by 271	
<b>Organochlorine Pesticides</b>							
Aldrin	< 0.50 ug/Kg	0.50	1.0	G12137-1	22Aug22 1019 by 348	25Aug22 1901 by 271	
alpha-BHC	< 0.30 ug/Kg	0.30	0.50	G12137-1	22Aug22 1019 by 348	25Aug22 1901 by 271	
alpha-Endosulfen	< 0.56 ug/Kg	0.56	1.0	G12137-1	22Aug22 1019 by 348	25Aug22 1901 by 271	
beta-BHC	< 0.52 ug/Kg	0.52	1.0	G12137-1	22Aug22 1019 by 348	25Aug22 1901 by 271	
beta-Endosulfen	< 0.52 ug/Kg	0.52	1.0	G12137-1	22Aug22 1019 by 348	25Aug22 1901 by 271	
cis-Chlordane	< 5.0 ug/Kg	5.0	10	G12137-1	22Aug22 1019 by 348	25Aug22 1901 by 271	
trans-Chlordane	< 5.0 ug/Kg	5.0	10	G12137-1	22Aug22 1019 by 348	25Aug22 1901 by 271	
4,4'-DDD	< 1.0 ug/Kg	1.0	2.0	G12137-1	22Aug22 1019 by 348	25Aug22 1901 by 271	
4,4'-DDE	< 0.50 ug/Kg	0.50	1.0	G12137-1	22Aug22 1019 by 348	25Aug22 1901 by 271	
4,4'-DDT	< 1.0 ug/Kg	1.0	2.0	G12137-1	22Aug22 1019 by 348	25Aug22 1901 by 271	
delta-BHC	< 1.0 ug/Kg	1.0	2.0	G12137-1	22Aug22 1019 by 348	25Aug22 1901 by 271	
Dieldrin	< 0.50 ug/Kg	0.50	0.50	G12137-1	22Aug22 1019 by 348	25Aug22 1901 by 271	
Endosulfan sulfate	< 1.0 ug/Kg	1.0	2.0	G12137-1	22Aug22 1019 by 348	25Aug22 1901 by 271	
Endrin	< 0.56 ug/Kg	0.56	1.0	G12137-1	22Aug22 1019 by 348	25Aug22 1901 by 271	
Endrin aldehyde	< 4.2 ug/Kg	4.2	5.0	G12137-1	22Aug22 1019 by 348	25Aug22 1901 by 271	
gamma-BHC	< 0.50 ug/Kg	0.50	1.0	G12137-1	22Aug22 1019 by 348	25Aug22 1901 by 271	
Heptachlor	< 0.48 ug/Kg	0.48	0.50	G12137-1	22Aug22 1019 by 348	25Aug22 1901 by 271	
Heptachlor epoxide	< 0.50 ug/Kg	0.50	1.0	G12137-1	22Aug22 1019 by 348	25Aug22 1901 by 271	
Methoxychlor	< 1.0 ug/Kg	1.0	2.0	G12137-1	22Aug22 1019 by 348	25Aug22 1901 by 271	
Toxaphene	< 19 ug/Kg	19	20	G12137-1	22Aug22 1019 by 348	25Aug22 1901 by 271	
<b>Organochlorine Pesticides Surrogates:</b>							
Decachlorobiphenyl (36.8-126%)	94.8 %			G12137-1	22Aug22 1019 by 348	25Aug22 1901 by 271	
Tetrachloro-m-xylene (33.9-126%)	89.6 %			G12137-1	22Aug22 1019 by 348	25Aug22 1901 by 271	







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This report contains the analytical results and supporting information for the sample received on August 18, 2022. Attached please find a copy of the Chain of Custody and/or other documents received. Note that any remaining sample will be discarded two weeks from the original report date unless other arrangements are made.

This report is intended for the sole use of the client listed above. Assessment of the data requires access to the entire document.

This report has been reviewed by the Chief Operating Officer or a qualified designee.

A handwritten signature in cursive script that reads 'Steve Bradford'.

Steve Bradford  
Deputy Laboratory Director

This document has been distributed to the following:

PDF cc: Springdale Water Utilities  
ATTN: Mr. Brad Stewart  
bstewart@springdalewater.com



Springdale Water Utilities  
Post Office Box 769  
Springdale, AR 72762

SAMPLE INFORMATION

Project Description:

One (1) water sample(s) received on August 16, 2022  
Table II / III

Receipt Details:

A Chain of Custody was provided. The samples were delivered in one (1) ice chest.  
Ice chest #1 was delivered with shipping documentation.

Each sample container was checked for proper labeling, including date and time sampled. Sample containers were reviewed for proper type, adequate volume, integrity, temperature, preservation, and holding times. Any exceptions are noted below:

Sample Identification:

Laboratory ID	Client Sample ID	Sampled Date/Time	Notes
268112-1	SWWTF Effluent	12-Aug-2022 0800	

Qualifiers:

- Q Analyte is not within quality control limits
- R n-Nitrosodiphenylamine cannot be separated from diphenylamine

Case Narrative:

Matrix spike for batch B12926 was not performed on any sample associated with AIC Control No. 268112.

References:

- "Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).
- "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.
- "Standard Methods for the Examination of Water and Wastewaters", (SM).
- "American Society for Testing and Materials" (ASTM).
- "Association of Analytical Chemists" (AOAC).



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ANALYTICAL RESULTS

AIC No. 288112-1

Sample Identification: SWWTF Effluent 12-Aug-2022 0800

Analyte	Result	RL	Units	Qualifier
<b>Antimony</b> EPA 200.8	Prep: 17-Aug-2022 0849 by 313 Analyzed: 17-Aug-2022 1418 by 313	< 60 60	ug/l Batch: S53047	
<b>Arsenic</b> EPA 200.8	Prep: 17-Aug-2022 0849 by 313 Analyzed: 17-Aug-2022 1418 by 313	1.8 0.5	ug/l Batch: S53047	
<b>Beryllium</b> EPA 200.8	Prep: 17-Aug-2022 0849 by 313 Analyzed: 17-Aug-2022 1418 by 313	< 0.5 0.5	ug/l Batch: S53047	
<b>Cadmium</b> EPA 200.8	Prep: 17-Aug-2022 0849 by 313 Analyzed: 17-Aug-2022 1418 by 313	< 0.5 0.5	ug/l Batch: S53047	
<b>Chromium</b> EPA 200.8	Prep: 17-Aug-2022 0849 by 313 Analyzed: 17-Aug-2022 1418 by 313	< 10 10	ug/l Batch: S53047	
<b>Copper</b> EPA 200.8	Prep: 17-Aug-2022 0849 by 313 Analyzed: 17-Aug-2022 1418 by 313	4.4 0.5	ug/l Batch: S53047	
<b>Lead</b> EPA 200.8	Prep: 17-Aug-2022 0849 by 313 Analyzed: 17-Aug-2022 1418 by 313	< 0.5 0.5	ug/l Batch: S53047	
<b>Molybdenum</b> EPA 200.8	Prep: 17-Aug-2022 0849 by 313 Analyzed: 17-Aug-2022 1418 by 313	< 10 10	ug/l Batch: S53047	
<b>Nickel</b> EPA 200.8	Prep: 17-Aug-2022 0849 by 313 Analyzed: 17-Aug-2022 1418 by 313	2.9 0.5	ug/l Batch: S53047	
<b>Selenium</b> EPA 200.8	Prep: 17-Aug-2022 0849 by 313 Analyzed: 17-Aug-2022 1418 by 313	< 5 5	ug/l Batch: S53047	
<b>Silver</b> EPA 200.8	Prep: 17-Aug-2022 0849 by 313 Analyzed: 17-Aug-2022 1418 by 313	< 0.5 0.5	ug/l Batch: S53047	
<b>Thallium</b> EPA 200.8	Prep: 17-Aug-2022 0849 by 313 Analyzed: 17-Aug-2022 1418 by 313	< 0.5 0.5	ug/l Batch: S53047	
<b>Zinc</b> EPA 200.8	Prep: 17-Aug-2022 0849 by 313 Analyzed: 17-Aug-2022 1418 by 313	29 20	ug/l Batch: S53047	
<b>Base/Neutral and Acid Compounds By EPA 625.1</b>				
<b>Acenaphthene</b> EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
<b>Acenaphthylene</b> EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
<b>Anthracene</b> EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
<b>Benzidine</b> EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 50 50	ug/l Batch: B12926	
<b>Benzo(a)anthracene</b> EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 5.0 5.0	ug/l Batch: B12926	
<b>Benzo(a)pyrene</b> EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 5.0 5.0	ug/l Batch: B12926	
<b>Benzo(g,h,i)perylene</b> EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 20 20	ug/l Batch: B12926	



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ANALYTICAL RESULTS

AIC No. 268112-1 (Continued)  
Sample Identification: SWWTF Effluent 12-Aug-2022 0800

Analyte	Result	RL	Units	Qualifier
<b>Base/Neutral and Acid Compounds By EPA 625.1 (Continued)</b>				
Benzo(k)fluoranthene EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 5.0 5.0	ug/l Batch: B12926	
3,4-Benzofluoranthene EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
Bis(2-chloroethoxy)methane EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
Bis(2-chloroethyl)ether EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
Bis(2-chloroisopropyl)ether EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
Bis(2-ethylhexyl)phthalate EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
4-Bromophenyl phenyl ether EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
Butylbenzyl phthalate EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
2-Chloronaphthalene EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
2-Chlorophenol EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
4-Chlorophenyl phenyl ether EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
Chrysene EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 5.0 5.0	ug/l Batch: B12926	
Di-n-butyl phthalate EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
Di-n-octyl phthalate EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
Dibenz(a,h)anthracene EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 5.0 5.0	ug/l Batch: B12926	
3,3'-Dichlorobenzidine EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 5.0 5.0	ug/l Batch: B12926	
2,4-Dichlorophenol EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
Diethyl phthalate EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
Dimethyl phthalate EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
2,4-Dimethylphenol EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	





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 Control No. 268112  
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**ANALYTICAL RESULTS**

AIC No. 268112-1 (Continued)  
 Sample Identification: SWWTF Effluent 12-Aug-2022 0800

Analyte	Result	RL	Units	Qualifier
<b>Base/Neutral and Acid Compounds By EPA 625.1 (Continued)</b>				
4,6-Dinitro-o-cresol EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 50 50	ug/l Batch: B12926	
2,4-Dinitrophenol EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 50 50	ug/l Batch: B12926	
2,4-Dinitrotoluene EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
2,6-Dinitrotoluene EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
1,2-Diphenylhydrazine EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 20 20	ug/l Batch: B12926	
Fluorene EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
Hexachlorobenzene EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 5.0 5.0	ug/l Batch: B12926	
Hexachlorobutadiene EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
Hexachlorocyclopentadiene EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
Hexachloroethane EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 20 20	ug/l Batch: B12926	
Indeno(1,2,3-cd)pyrene EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 5.0 5.0	ug/l Batch: B12926	
Isophorone EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
n-Nitrosodi-n-propylamine EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 20 20	ug/l Batch: B12926	
n-Nitrosodimethylamine EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 50 50	ug/l Batch: B12926	
n-Nitrosodiphenylamine EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 20 20	ug/l Batch: B12926	R
Naphthalene EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
Nitrobenzene EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	
2-Nitrophenol EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 20 20	ug/l Batch: B12926	
4-Nitrophenol EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 50 50	ug/l Batch: B12926	
p-Chloro-m-cresol EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	< 10 10	ug/l Batch: B12926	



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**ANALYTICAL RESULTS**

AIC No. 268112-1 (Continued)  
Sample Identification: SWWTF Effluent 12-Aug-2022 0800

Analyte	Result	RL	Units	Qualifier
<b>Base/Neutral and Acid Compounds By EPA 625.1 (Continued)</b>				
<b>Pentachlorophenol</b> EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	<b>&lt; 5.0</b> 5.0	<b>ug/l</b> Batch: B12926	
<b>Phenanthrene</b> EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	<b>&lt; 10</b> 10	<b>ug/l</b> Batch: B12926	
<b>Phenol</b> EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	<b>&lt; 10</b> 10	<b>ug/l</b> Batch: B12926	
<b>Pyrene</b> EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	<b>&lt; 10</b> 10	<b>ug/l</b> Batch: B12926	
<b>1,2,4-Trichlorobenzene</b> EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	<b>&lt; 10</b> 10	<b>ug/l</b> Batch: B12926	
<b>2,4,6-Trichlorophenol</b> EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	<b>&lt; 10</b> 10	<b>ug/l</b> Batch: B12926	
<b>Surrogate: 2-Fluorobiphenyl (43.8-112%)</b> EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	<b>68.4</b>	<b>%</b> Batch: B12926	
<b>Surrogate: 2-Fluorophenol (14.9-95.9%)</b> EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	<b>57.2</b>	<b>%</b> Batch: B12926	
<b>Surrogate: Nitrobenzene-D5 (40.8-112%)</b> EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	<b>69.6</b>	<b>%</b> Batch: B12926	
<b>Surrogate: Terphenyl-D14 (22.8-152%)</b> EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	<b>67.5</b>	<b>%</b> Batch: B12926	
<b>Surrogate: 2,4,6-Tribromophenol (13.6-144%)</b> EPA 625.1	Prep: 18-Aug-2022 0929 by 348 Analyzed: 24-Aug-2022 0115 by 271	<b>64.9</b>	<b>%</b> Batch: B12926	
<b>Organochlorine Pesticides and PCBs By EPA 608.3</b>				
<b>Aldrin</b> EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	<b>&lt; 0.010</b> 0.010	<b>ug/l</b> Batch: G12133	
<b>alpha-BHC</b> EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	<b>&lt; 0.050</b> 0.050	<b>ug/l</b> Batch: G12133	
<b>alpha-Endosulfan</b> EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	<b>&lt; 0.010</b> 0.010	<b>ug/l</b> Batch: G12133	
<b>beta-BHC</b> EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	<b>&lt; 0.050</b> 0.050	<b>ug/l</b> Batch: G12133	
<b>beta-Endosulfan</b> EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	<b>&lt; 0.020</b> 0.020	<b>ug/l</b> Batch: G12133	
<b>cis-Chlordane</b> EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	<b>&lt; 0.20</b> 0.20	<b>ug/l</b> Batch: G12133	
<b>trans-Chlordane</b> EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	<b>&lt; 0.20</b> 0.20	<b>ug/l</b> Batch: G12133	
<b>Chlorpyrifos</b> EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	<b>&lt; 0.070</b> 0.070	<b>ug/l</b> Batch: G12133	



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**ANALYTICAL RESULTS**

AIC No. 268112-1 (Continued)  
Sample Identification: SWWTF Effluent 12-Aug-2022 0800

Analyte	Result	RL	Units	Qualifier
<b>Organochlorine Pesticides and PCBs By EPA 608.3 (Continued)</b>				
4,4'-DDD EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	< 0.10 0.10	ug/l Batch: G12133	
4,4'-DDE EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	< 0.10 0.10	ug/l Batch: G12133	
4,4'-DDT EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	< 0.020 0.020	ug/l Batch: G12133	
delta-BHC EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	< 0.050 0.050	ug/l Batch: G12133	
Dieldrin EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	< 0.020 0.020	ug/l Batch: G12133	
Endosulfan sulfate EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	< 0.10 0.10	ug/l Batch: G12133	
Endrin EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	< 0.020 0.020	ug/l Batch: G12133	
Endrin aldehyde EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	< 0.10 0.10	ug/l Batch: G12133	
gamma-BHC EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	< 0.050 0.050	ug/l Batch: G12133	
Heptachlor EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	< 0.010 0.010	ug/l Batch: G12133	
Heptachlor epoxide EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	< 0.010 0.010	ug/l Batch: G12133	
PCB 1016 EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	< 0.20 0.20	ug/l Batch: G12133	
PCB 1221 EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	< 0.20 0.20	ug/l Batch: G12133	
PCB 1232 EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	< 0.20 0.20	ug/l Batch: G12133	
PCB 1242 EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	< 0.20 0.20	ug/l Batch: G12133	
PCB 1248 EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	< 0.20 0.20	ug/l Batch: G12133	
PCB 1254 EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	< 0.20 0.20	ug/l Batch: G12133	
PCB 1260 EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	< 0.20 0.20	ug/l Batch: G12133	
Toxaphene EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	< 0.30 0.30	ug/l Batch: G12133	
Surrogate: Decachlorobiphenyl (1.00-97.5%) EPA 608.3	Prep: 18-Aug-2022 0932 by 348 Analyzed: 24-Aug-2022 2024 by 271	56.4	% Batch: G12133	



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ANALYTICAL RESULTS

AIC No. 268112-1 (Continued)  
Sample Identification: SWWTF Effluent 12-Aug-2022 0800

Analyte	Result	RL	Units	Qualifier
<b>Organochlorine Pesticides and PCBs By EPA 608.3 (Continued)</b>				
Surrogate: Tetrachloro-m-xylene (18.0-104%) EPA 608.3	72.2		%	
	Prep: 18-Aug-2022 0932 by 348	Analyzed: 24-Aug-2022 2024 by 271	Batch: G12133	



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**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	DII	Qual
Antimony	0.02 mg/l	105	85.0-115			S53047	17Aug22 0849 by 313	17Aug22 1128 by 313		
Arsenic	0.02 mg/l	106	85.0-115			S53047	17Aug22 0849 by 313	17Aug22 1128 by 313		
Beryllium	0.02 mg/l	91.7	85.0-115			S53047	17Aug22 0849 by 313	17Aug22 1128 by 313		
Cadmium	0.02 mg/l	100	85.0-115			S53047	17Aug22 0849 by 313	17Aug22 1128 by 313		
Chromium	0.02 mg/l	95.5	85.0-115			S53047	17Aug22 0849 by 313	17Aug22 1128 by 313		
Copper	0.02 mg/l	100	85.0-115			S53047	17Aug22 0849 by 313	17Aug22 1128 by 313		
Lead	0.02 mg/l	101	85.0-115			S53047	17Aug22 0849 by 313	17Aug22 1128 by 313		
Molybdenum	0.02 mg/l	99.1	85.0-115			S53047	17Aug22 0849 by 313	17Aug22 1128 by 313		
Nickel	0.02 mg/l	99.8	85.0-115			S53047	17Aug22 0849 by 313	17Aug22 1128 by 313		
Selenium	0.02 mg/l	95.3	85.0-115			S53047	17Aug22 0849 by 313	17Aug22 1128 by 313		
Silver	0.02 mg/l	103	85.0-115			S53047	17Aug22 0849 by 313	17Aug22 1128 by 313		
Thallium	0.02 mg/l	99.9	85.0-115			S53047	17Aug22 0849 by 313	17Aug22 1128 by 313		
Zinc	0.02 mg/l	94.3	85.0-115			S53047	17Aug22 0849 by 313	17Aug22 1128 by 313		
<b>Base/Neutral and Acid Compounds</b>										
Acenaphthene	20 ug/l	78.4	60.0-132			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	76.3	60.0-132	2.68	48.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Acenaphthylene	20 ug/l	74.2	54.0-128			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	73.1	54.0-126	1.40	74.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Anthracene	20 ug/l	86.8	43.0-120			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	82.6	43.0-120	4.88	66.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Benzidine	100 ug/l	0.00	1.00-36.6			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		Q
	100 ug/l	0.00	1.00-36.6	0.00	44.3	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		Q
Benzo(a)anthracene	20 ug/l	79.6	42.0-133			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	75.9	42.0-133	4.76	53.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Benzo(a)pyrene	20 ug/l	82.4	32.0-148			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	82.0	32.0-148	0.471	72.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Benzo(g,h,i)perylene	20 ug/l	65.2	1.00-195			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	68.1	1.00-195	1.25	97.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Benzo(k)fluoranthene	20 ug/l	85.3	25.0-146			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	83.6	25.0-146	2.03	63.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
3,4-Benzofluoranthene	20 ug/l	82.9	42.0-140			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	83.8	42.0-140	1.13	71.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Bis(2-chloroethoxy)methane	20 ug/l	86.6	49.0-165			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	83.4	49.0-165	2.63	54.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Bis(2-chloroethyl)ether	20 ug/l	86.1	43.0-128			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	84.2	43.0-128	2.16	108	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Bis(2-chloroisopropyl)ether	20 ug/l	101	63.0-139			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	99.8	63.0-139	1.43	76.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Bis(2-ethylhexyl)phthalate	20 ug/l	83.2	29.0-137			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	84.2	29.0-137	1.17	82.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
4-Bromophenyl phenyl ether	20 ug/l	78.3	65.0-120			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	75.8	65.0-120	3.21	43.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Butylbenzyl phthalate	20 ug/l	63.8	1.00-140			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	62.5	1.00-140	2.05	60.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		



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**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
2-Chloronaphthalene	20 ug/l	79.0	65.0-120			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	79.1	65.0-120	0.0332	24.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
2-Chlorophenol	20 ug/l	84.0	36.0-120			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	80.5	36.0-120	4.17	61.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
4-Chlorophenyl phenyl ether	20 ug/l	77.0	38.0-145			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	76.2	38.0-145	0.953	61.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Chrysene	20 ug/l	83.0	44.0-140			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	78.9	44.0-140	5.03	67.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Di-n-butyl phthalate	20 ug/l	84.6	8.00-120			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	83.2	8.00-120	1.75	47.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Di-n-octyl phthalate	20 ug/l	75.1	19.0-132			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	79.8	19.0-132	5.99	69.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Dibenz(a,h)anthracene	20 ug/l	69.1	1.00-200			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	70.8	1.00-200	2.47	126	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
3,3'-Dichlorobenzidine	20 ug/l	42.2	8.00-213			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	26.1	8.00-213	47.1	108	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
2,4-Dichlorophenol	20 ug/l	79.4	53.0-122			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	76.1	53.0-122	4.25	50.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Diethyl phthalate	20 ug/l	89.6	1.00-120			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	71.0	1.00-120	2.01	100	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Dimethyl phthalate	20 ug/l	49.3	1.00-120			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	53.3	1.00-120	7.70	183	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
2,4-Dimethylphenol	20 ug/l	60.4	42.0-120			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	32.6	42.0-120	59.8	58.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
4,6-Dinitro-o-cresol	20 ug/l	82.8	53.0-130			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	80.1	53.0-130	3.37	203	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
2,4-Dinitrophenol	20 ug/l	63.9	1.00-173			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	56.2	1.00-173	12.9	132	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
2,4-Dinitrotoluene	20 ug/l	78.4	48.0-127			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	76.4	48.0-127	2.59	42.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
2,6-Dinitrotoluene	20 ug/l	77.6	68.0-137			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	74.7	68.0-137	3.61	48.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
1,2-Diphenylhydrazine	20 ug/l	90.1	53.9-105			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	85.8	53.9-105	4.93	19.4	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Fluorene	20 ug/l	80.6	70.0-120			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	78.6	70.0-120	2.60	36.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Hexachlorobenzene	20 ug/l	77.9	8.00-142			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	73.8	8.00-142	5.42	55.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Hexachlorobutadiene	20 ug/l	72.2	38.0-120			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	72.5	38.0-120	0.455	62.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Hexachlorocyclopentadiene	20 ug/l	64.8	62.7-101			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	65.1	62.7-101	0.412	41.7	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Hexachloroethene	20 ug/l	88.2	55.0-120			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	86.6	55.0-120	1.85	52.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Indeno(1,2,3-cd)pyrene	20 ug/l	67.1	1.00-151			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	69.1	1.00-151	2.94	99.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Ioporphone	20 ug/l	84.0	47.0-180			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	81.7	47.0-180	2.63	93.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		



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**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	DII	Qual
<b>Base/Neutral and Acid Compounds (Continued)</b>										
n-Nitrosodi-n-propylamine	20 ug/l	96.4	14.0-198			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	91.3	14.0-198	5.42	87.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
n-Nitrosodimethylamine	20 ug/l	50.3	33.7-67.5			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	50.4	33.7-67.5	0.189	16.8	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
n-Nitrosodiphenylamine	20 ug/l	86.5	48.7-106			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	78.9	48.7-106	11.8	23.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Naphthalene	20 ug/l	81.0	36.0-120			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	80.3	36.0-120	0.983	65.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Nitrobenzene	20 ug/l	82.8	54.0-158			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	81.3	54.0-158	1.76	62.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
2-Nitrophenol	20 ug/l	81.7	45.0-167			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	79.9	45.0-167	2.24	55.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
4-Nitrophenol	20 ug/l	69.4	13.0-129			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	69.7	13.0-129	16.1	131	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
p-Chloro-m-cresol	20 ug/l	82.9	41.0-128			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	76.8	41.0-128	7.83	73.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Pentachlorophenol	20 ug/l	72.2	38.0-152			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	68.4	38.0-152	5.42	86.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Phenanthrene	20 ug/l	82.8	65.0-120			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	81.5	65.0-120	1.64	38.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Phenol	20 ug/l	82.7	17.0-120			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	80.8	17.0-120	3.08	64.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Pyrene	20 ug/l	77.4	70.0-120			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	73.1	70.0-120	5.59	49.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
1,2,4-Trichlorobenzene	20 ug/l	76.6	57.0-130			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	76.6	57.0-130	0.0348	50.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
2,4,6-Trichlorophenol	20 ug/l	78.8	52.0-129			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	72.1	52.0-129	8.82	68.0	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
<b>Base/Neutral and Acid Compounds Surrogates:</b>										
2-Fluorobiphenyl	20 ug/l	78.8	52.2-106			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	77.3	52.2-106	-	-	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
2-Fluorophenol	20 ug/l	78.1	32.7-96.3			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	73.8	32.7-96.3	-	-	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Nitrobenzene-D6	20 ug/l	89.3	54.1-111			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	84.7	54.1-111	-	-	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
Terphenyl-D14	20 ug/l	80.8	53.8-120			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	77.4	53.8-120	-	-	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
2,4,6-Tribromophenol	20 ug/l	83.6	34.8-125			B12926	18Aug22 0929 by 348	23Aug22 2107 by 271		
	20 ug/l	74.3	34.8-125	-	-	B12926	18Aug22 0929 by 348	23Aug22 2147 by 271		
<b>Organochlorine Pesticides and PCBs</b>										
Aldrin	10 ug/l	75.0	54.0-130			G12133	18Aug22 0931 by 348	24Aug22 1743 by 271		
	10 ug/l	76.2	54.0-130	1.59	35.0	G12133	18Aug22 0931 by 348	24Aug22 1810 by 271		
alpha-BHC	10 ug/l	80.8	49.0-140			G12133	18Aug22 0931 by 348	24Aug22 1743 by 271		
	10 ug/l	81.7	49.0-140	1.36	36.0	G12133	18Aug22 0931 by 348	24Aug22 1810 by 271		
alpha-Endosulfan	10 ug/l	80.9	57.0-141			G12133	18Aug22 0931 by 348	24Aug22 1743 by 271		
	10 ug/l	82.8	57.0-141	2.32	28.0	G12133	18Aug22 0931 by 348	24Aug22 1810 by 271		



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**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	DII	Qual
<b>Organochlorine Pesticides and PCBs (Continued)</b>										
beta-BHC	10 ug/l	82.9	39.0-130			G12133	18Aug22 0931 by 348	24Aug22 1743 by 271		
	10 ug/l	82.8	39.0-130	0.121	44.0	G12133	18Aug22 0931 by 348	24Aug22 1810 by 271		
beta-Endosulfan	10 ug/l	87.9	22.0-171			G12133	18Aug22 0931 by 348	24Aug22 1743 by 271		
	10 ug/l	91.1	22.0-171	3.58	53.0	G12133	18Aug22 0931 by 348	24Aug22 1810 by 271		
cis-Chlordane	10 ug/l	80.8	55.0-130			G12133	18Aug22 0931 by 348	24Aug22 1743 by 271		
	10 ug/l	82.2	55.0-130	1.72		G12133	18Aug22 0931 by 348	24Aug22 1810 by 271		
trans-Chlordane	10 ug/l	76.0	55.0-130			G12133	18Aug22 0931 by 348	24Aug22 1743 by 271		
	10 ug/l	78.5	55.0-130	3.24	35.0	G12133	18Aug22 0931 by 348	24Aug22 1810 by 271		
Chlorpyrifos	10 ug/l	92.1	51.3-104			G12133	18Aug22 0931 by 348	24Aug22 1743 by 271		
	10 ug/l	83.9	51.3-104	1.94	19.1	G12133	18Aug22 0931 by 348	24Aug22 1810 by 271		
4,4'-DDD	10 ug/l	86.2	48.0-130			G12133	18Aug22 0931 by 348	24Aug22 1743 by 271		
	10 ug/l	89.3	48.0-130	3.53	39.0	G12133	18Aug22 0931 by 348	24Aug22 1810 by 271		
4,4'-DDE	10 ug/l	76.8	54.0-130			G12133	18Aug22 0931 by 348	24Aug22 1743 by 271		
	10 ug/l	79.0	54.0-130	2.82	35.0	G12133	18Aug22 0931 by 348	24Aug22 1810 by 271		
4,4'-DDT	10 ug/l	88.8	46.0-137			G12133	18Aug22 0931 by 348	24Aug22 1743 by 271		
	10 ug/l	91.8	46.0-137	3.10	42.0	G12133	18Aug22 0931 by 348	24Aug22 1810 by 271		
delta-BHC	10 ug/l	88.8	51.0-130			G12133	18Aug22 0931 by 348	24Aug22 1743 by 271		
	10 ug/l	82.8	51.0-130	6.99	52.0	G12133	18Aug22 0931 by 348	24Aug22 1810 by 271		
Dieldrin	10 ug/l	81.7	58.0-130			G12133	18Aug22 0931 by 348	24Aug22 1743 by 271		
	10 ug/l	84.8	58.0-130	3.72	49.0	G12133	18Aug22 0931 by 348	24Aug22 1810 by 271		
Endosulfan sulfate	10 ug/l	89.1	38.0-132			G12133	18Aug22 0931 by 348	24Aug22 1743 by 271		
	10 ug/l	90.6	38.0-132	1.58	38.0	G12133	18Aug22 0931 by 348	24Aug22 1810 by 271		
Endrin	10 ug/l	81.8	51.0-130			G12133	18Aug22 0931 by 348	24Aug22 1743 by 271		
	10 ug/l	83.7	51.0-130	2.30	48.0	G12133	18Aug22 0931 by 348	24Aug22 1810 by 271		
Endrin aldehyde	10 ug/l	83.2	36.6-115			G12133	18Aug22 0931 by 348	24Aug22 1743 by 271		
	10 ug/l	83.9	36.6-115	0.897	27.2	G12133	18Aug22 0931 by 348	24Aug22 1810 by 271		
gamma-BHC	10 ug/l	78.9	43.0-130			G12133	18Aug22 0931 by 348	24Aug22 1743 by 271		
	10 ug/l	81.2	43.0-130	2.87	39.0	G12133	18Aug22 0931 by 348	24Aug22 1810 by 271		
Heptachlor	10 ug/l	84.7	43.0-130			G12133	18Aug22 0931 by 348	24Aug22 1743 by 271		
	10 ug/l	85.9	43.0-130	1.41	43.0	G12133	18Aug22 0931 by 348	24Aug22 1810 by 271		
Heptachlor epoxide	10 ug/l	79.4	57.0-132			G12133	18Aug22 0931 by 348	24Aug22 1743 by 271		
	10 ug/l	82.0	57.0-132	3.22	28.0	G12133	18Aug22 0931 by 348	24Aug22 1810 by 271		
<b>Organochlorine Pesticides and PCBs Surrogates:</b>										
Decachlorobiphenyl	20 ug/l	81.0	44.1-108			G12133	18Aug22 0931 by 348	24Aug22 1743 by 271		
	20 ug/l	73.8	44.1-108	-	-	G12133	18Aug22 0931 by 348	24Aug22 1810 by 271		
Tetrachloro-m-xylene	20 ug/l	81.0	51.5-88.9			G12133	18Aug22 0931 by 348	24Aug22 1743 by 271		
	20 ug/l	81.8	51.5-88.9	-	-	G12133	18Aug22 0931 by 348	24Aug22 1810 by 271		





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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Antimony	268083-1	0.02 mg/l	112	75.0-126	S53047	17Aug22 0849 by 313	17Aug22 1132 by 313		
	268083-1	0.02 mg/l	113	75.0-126	S53047	17Aug22 0849 by 313	17Aug22 1136 by 313		
	Relative Percent Difference:		0.368	20.0		S53047			
Arsenic	268083-1	0.02 mg/l	117	75.0-125	S53047	17Aug22 0849 by 313	17Aug22 1132 by 313		
	268083-1	0.02 mg/l	109	75.0-125	S53047	17Aug22 0849 by 313	17Aug22 1136 by 313		
	Relative Percent Difference:		4.63	20.0		S53047			
Beryllium	268083-1	0.02 mg/l	85.4	75.0-125	S53047	17Aug22 0849 by 313	17Aug22 1132 by 313		
	268083-1	0.02 mg/l	86.8	75.0-126	S53047	17Aug22 0849 by 313	17Aug22 1136 by 313		
	Relative Percent Difference:		1.60	20.0		S53047			
Cadmium	268083-1	0.02 mg/l	99.2	75.0-125	S53047	17Aug22 0849 by 313	17Aug22 1132 by 313		
	268083-1	0.02 mg/l	99.0	75.0-125	S53047	17Aug22 0849 by 313	17Aug22 1136 by 313		
	Relative Percent Difference:		0.284	20.0		S53047			
Chromium	268083-1	0.02 mg/l	92.2	75.0-126	S53047	17Aug22 0849 by 313	17Aug22 1132 by 313		
	268083-1	0.02 mg/l	85.2	75.0-125	S53047	17Aug22 0849 by 313	17Aug22 1136 by 313		
	Relative Percent Difference:		3.04	20.0		S53047			
Copper	268083-1	0.02 mg/l	94.7	75.0-125	S53047	17Aug22 0849 by 313	17Aug22 1132 by 313		
	268083-1	0.02 mg/l	95.9	75.0-125	S53047	17Aug22 0849 by 313	17Aug22 1136 by 313		
	Relative Percent Difference:		1.04	20.0		S53047			
Lead	268083-1	0.02 mg/l	96.6	75.0-125	S53047	17Aug22 0849 by 313	17Aug22 1132 by 313		
	268083-1	0.02 mg/l	96.0	75.0-125	S53047	17Aug22 0849 by 313	17Aug22 1136 by 313		
	Relative Percent Difference:		1.38	20.0		S53047			
Molybdenum	268083-1	0.02 mg/l	103	75.0-125	S53047	17Aug22 0849 by 313	17Aug22 1132 by 313		
	268083-1	0.02 mg/l	102	75.0-125	S53047	17Aug22 0849 by 313	17Aug22 1136 by 313		
	Relative Percent Difference:		0.956	20.0		S53047			
Nickel	268083-1	0.02 mg/l	97.8	75.0-125	S53047	17Aug22 0849 by 313	17Aug22 1132 by 313		
	268083-1	0.02 mg/l	96.1	75.0-125	S53047	17Aug22 0849 by 313	17Aug22 1136 by 313		
	Relative Percent Difference:		1.08	20.0		S53047			
Selenium	268083-1	0.02 mg/l	95.2	75.0-125	S53047	17Aug22 0849 by 313	17Aug22 1132 by 313		
	268083-1	0.02 mg/l	97.6	75.0-125	S53047	17Aug22 0849 by 313	17Aug22 1136 by 313		
	Relative Percent Difference:		2.47	20.0		S53047			
Silver	268083-1	0.02 mg/l	96.4	75.0-125	S53047	17Aug22 0849 by 313	17Aug22 1132 by 313		
	268083-1	0.02 mg/l	95.7	75.0-125	S53047	17Aug22 0849 by 313	17Aug22 1136 by 313		
	Relative Percent Difference:		0.713	20.0		S53047			
Thallium	268083-1	0.02 mg/l	96.5	75.0-125	S53047	17Aug22 0849 by 313	17Aug22 1132 by 313		
	268083-1	0.02 mg/l	97.7	75.0-125	S53047	17Aug22 0849 by 313	17Aug22 1136 by 313		
	Relative Percent Difference:		1.23	20.0		S53047			
Zinc	268083-1	0.02 mg/l	78.6	75.0-125	S53047	17Aug22 0849 by 313	17Aug22 1132 by 313		
	268083-1	0.02 mg/l	86.4	75.0-125	S53047	17Aug22 0849 by 313	17Aug22 1136 by 313		
	Relative Percent Difference:		1.61	20.0		S53047			
<b>Base/Neutral and Acid Compounds</b>									
Acenaphthene	268077-1	20 ug/l	71.2	47.0-145	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	70.8	47.0-145	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		0.515	48.0		B12926			
Acenaphthylene	268077-1	20 ug/l	67.0	33.0-146	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	67.7	33.0-145	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		1.08	74.0		B12926			
Anthracene	268077-1	20 ug/l	79.8	27.0-133	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	76.5	27.0-133	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		4.18	66.0		B12926			



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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	DII	Qual
Benzidine	268077-1	100 ug/l	0.00	1.00-36.2	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		Q
	268077-1	100 ug/l	0.0368	1.00-36.2	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		Q
	Relative Percent Difference:		200	44.3		B12926			
Benzo(a)anthracene	268077-1	20 ug/l	69.7	33.0-143	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	69.4	33.0-143	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		0.381	53.0		B12926			
Benzo(a)pyrene	268077-1	20 ug/l	73.5	17.0-163	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	71.2	17.0-163	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		3.20	72.0		B12926			
Benzo(g,h,i)perylene	268077-1	20 ug/l	70.2	1.00-219	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	70.7	1.00-219	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		0.674	97.0		B12926			
Benzo(k)fluoranthene	268077-1	20 ug/l	75.2	11.0-162	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	74.5	11.0-162	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		0.981	63.0		B12926			
3,4-Benzofluoranthene	268077-1	20 ug/l	69.9	24.0-169	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	72.0	24.0-169	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		3.03	71.0		B12926			
Bis(2-chloroethoxy)methane	268077-1	20 ug/l	76.6	33.0-184	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	80.1	33.0-184	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		1.62	54.0		B12926			
Bis(2-chloroethyl)ether	268077-1	20 ug/l	81.1	12.0-158	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	80.7	12.0-158	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		0.517	108		B12926			
Bis(2-chloroisopropyl)ether	268077-1	20 ug/l	90.7	36.0-166	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	91.8	36.0-166	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		1.21	76.0		B12926			
Bis(2-ethylhexyl)phthalate	268077-1	20 ug/l	61.0	8.00-158	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	65.3	8.00-158	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		6.56	82.0		B12926			
4-Bromophenyl phenyl ether	268077-1	20 ug/l	72.4	53.0-127	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	72.8	53.0-127	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		0.480	43.0		B12926			
Butylbenzyl phthalate	268077-1	20 ug/l	62.5	1.00-152	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	63.2	1.00-152	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		1.07	60.0		B12926			
2-Chloronaphthalene	268077-1	20 ug/l	72.3	60.0-120	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	72.0	60.0-120	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		0.414	24.0		B12926			
2-Chlorophenol	268077-1	20 ug/l	76.8	23.0-134	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	76.1	23.0-134	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		0.908	61.0		B12926			
4-Chlorophenyl phenyl ether	268077-1	20 ug/l	71.7	25.0-158	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	70.2	25.0-158	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		2.07	61.0		B12926			
Chrysene	268077-1	20 ug/l	75.1	17.0-168	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	74.2	17.0-168	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		1.11	87.0		B12926			
Di-n-butyl phthalate	268077-1	20 ug/l	76.3	1.00-120	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	74.8	1.00-120	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		1.92	47.0		B12926			



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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
<b>Base/Neutral and Acid Compounds (Continued)</b>									
Di-n-octyl phthalate	268077-1	20 ug/l	39.8	4.00-146	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	44.3	4.00-146	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		7.73	69.0	B12926				
Dibenz(a,h)anthracene	268077-1	20 ug/l	73.3	1.00-227	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	71.4	1.00-227	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		2.64	126	B12926				
3,3'-Dichlorobenzidine	268077-1	20 ug/l	19.9	1.00-262	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	11.9	1.00-262	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		50.5	108	B12926				
2,4-Dichlorophenol	268077-1	20 ug/l	75.1	39.0-135	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	76.0	39.0-135	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		1.13	50.0	B12926				
Diethyl phthalate	268077-1	20 ug/l	67.1	1.00-120	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	67.4	1.00-120	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		0.412	100	B12926				
Dimethyl phthalate	268077-1	20 ug/l	54.6	1.00-120	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	56.0	1.00-120	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		2.66	183	B12926				
2,4-Dimethylphenol	268077-1	20 ug/l	64.9	32.0-120	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	51.0	32.0-120	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		23.9	58.0	B12926				
4,6-Dinitro-o-cresol	268077-1	20 ug/l	79.6	1.00-181	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	78.1	1.00-181	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		1.85	203	B12926				
2,4-Dinitrophenol	268077-1	20 ug/l	79.8	1.00-191	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	77.5	1.00-191	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		2.90	132	B12926				
2,4-Dinitrotoluene	268077-1	20 ug/l	70.8	39.0-139	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	68.8	39.0-139	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		2.82	42.0	B12926				
2,6-Dinitrotoluene	268077-1	20 ug/l	71.5	50.0-158	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	72.8	50.0-158	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		1.81	48.0	B12926				
1,2-Diphenylhydrazine	268077-1	20 ug/l	82.9	57.3-104	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	81.7	57.3-104	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		1.44	19.4	B12926				
Fluorene	268077-1	20 ug/l	73.3	59.0-121	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	72.8	59.0-121	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		0.685	38.0	B12926				
Hexachlorobenzene	268077-1	20 ug/l	70.4	1.00-152	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	66.6	1.00-152	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		2.51	55.0	B12926				
Hexachlorobutadiene	268077-1	20 ug/l	68.2	24.0-120	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	66.6	24.0-120	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		2.35	62.0	B12926				
Hexachlorocyclopentadiene	268077-1	20 ug/l	36.2	41.8-116	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		Q
	268077-1	20 ug/l	32.9	41.8-116	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		Q
	Relative Percent Difference:		9.67	41.7	B12926				



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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Hexachloroethane	268077-1	20 ug/l	79.8	40.0-120	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	80.6	40.0-120	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		1.10	52.0	B12926				
Indeno(1,2,3-cd)pyrene	268077-1	20 ug/l	72.6	1.00-171	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	71.1	1.00-171	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		2.12	99.0	B12926				
Isophorone	268077-1	20 ug/l	77.0	21.0-196	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	77.8	21.0-196	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		0.980	93.0	B12926				
n-Nitrosodi-n-propylamine	268077-1	20 ug/l	85.5	1.00-230	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	89.1	1.00-230	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		4.09	87.0	B12926				
n-Nitrosodimethylamine	268077-1	20 ug/l	49.7	26.1-59.5	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	48.2	26.1-59.5	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		3.02	16.8	B12926				
n-Nitrosodiphenylamine	268077-1	20 ug/l	80.1	49.2-101	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	77.7	49.2-101	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		3.08	23.0	B12926				
Naphthalene	268077-1	20 ug/l	74.6	21.0-133	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	74.4	21.0-133	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		0.253	65.0	B12926				
Nitrobenzene	268077-1	20 ug/l	76.7	35.0-180	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	76.2	35.0-180	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		0.740	62.0	B12926				
2-Nitrophenol	268077-1	20 ug/l	77.3	29.0-182	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	74.5	29.0-182	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		3.71	55.0	B12926				
4-Nitrophenol	268077-1	20 ug/l	60.4	1.00-132	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	61.2	1.00-132	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		1.42	131	B12926				
p-Chloro-m-cresol	268077-1	20 ug/l	73.4	22.0-147	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	74.5	22.0-147	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		1.48	73.0	B12926				
Pentachlorophenol	268077-1	20 ug/l	73.3	14.0-176	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	75.7	14.0-176	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		3.24	86.0	B12926				
Phenanthrene	268077-1	20 ug/l	79.1	54.0-120	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	78.2	54.0-120	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		1.18	39.0	B12926				
Phenol	268077-1	20 ug/l	58.4	5.00-120	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	57.9	5.00-120	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		0.922	64.0	B12926				
Pyrene	268077-1	20 ug/l	70.1	52.0-120	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	68.1	52.0-120	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		2.90	49.0	B12926				
1,2,4-Trichlorobenzene	268077-1	20 ug/l	68.7	44.0-142	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	68.6	44.0-142	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		0.186	50.0	B12926				
2,4,6-Trichlorophenol	268077-1	20 ug/l	73.8	37.0-144	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	73.5	37.0-144	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
	Relative Percent Difference:		0.455	58.0	B12926				



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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	DII	Qual
<b>Base/Neutral and Acid Compounds (Continued)</b>									
<b>Base/Neutral and Acid Compounds Surrogates:</b>									
2-Fluorobiphenyl	268077-1	20 ug/l	71.8	43.8-112	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	72.0	43.8-112	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
2-Fluorophenol	268077-1	20 ug/l	72.3	14.9-95.9	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	70.6	14.9-95.9	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
Nitrobenzene-D5	268077-1	20 ug/l	80.8	40.8-112	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	81.7	40.8-112	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
Terphenyl-D14	268077-1	20 ug/l	72.6	22.8-152	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	73.0	22.8-152	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
2,4,6-Tribromophenol	268077-1	20 ug/l	81.8	13.6-144	B12926	18Aug22 0929 by 348	23Aug22 2228 by 271		
	268077-1	20 ug/l	78.7	13.6-144	B12926	18Aug22 0929 by 348	23Aug22 2309 by 271		
<b>Organochlorine Pesticides and PCBs</b>									
Aldrin	268077-1	10 ug/l	89.5	42.0-140	G12133	18Aug22 0931 by 348	24Aug22 1837 by 271		
	268077-1	10 ug/l	80.5	42.0-140	G12133	18Aug22 0931 by 348	24Aug22 1904 by 271		
			Relative Percent Difference:	14.7	35.0	G12133			
alpha-BHC	268077-1	10 ug/l	77.6	37.0-140	G12133	18Aug22 0931 by 348	24Aug22 1837 by 271		
	268077-1	10 ug/l	82.1	37.0-140	G12133	18Aug22 0931 by 348	24Aug22 1904 by 271		
			Relative Percent Difference:	5.64	38.0	G12133			
alpha-Endosulfan	268077-1	10 ug/l	80.1	45.0-153	G12133	18Aug22 0931 by 348	24Aug22 1837 by 271		
	268077-1	10 ug/l	83.0	45.0-153	G12133	18Aug22 0931 by 348	24Aug22 1904 by 271		
			Relative Percent Difference:	3.56	28.0	G12133			
beta-BHC	268077-1	10 ug/l	97.3	17.0-147	G12133	18Aug22 0931 by 348	24Aug22 1837 by 271		
	268077-1	10 ug/l	93.1	17.0-147	G12133	18Aug22 0931 by 348	24Aug22 1904 by 271		
			Relative Percent Difference:	4.41	44.0	G12133			
beta-Endosulfan	268077-1	10 ug/l	86.3	1.00-202	G12133	18Aug22 0931 by 348	24Aug22 1837 by 271		
	268077-1	10 ug/l	87.8	1.00-202	G12133	18Aug22 0931 by 348	24Aug22 1904 by 271		
			Relative Percent Difference:	1.72	53.0	G12133			
cis-Chlordane	268077-1	10 ug/l	73.6	45.0-140	G12133	18Aug22 0931 by 348	24Aug22 1837 by 271		
	268077-1	10 ug/l	81.4	45.0-140	G12133	18Aug22 0931 by 348	24Aug22 1904 by 271		
			Relative Percent Difference:	10.1		G12133			
trans-Chlordane	268077-1	10 ug/l	69.5	45.0-140	G12133	18Aug22 0931 by 348	24Aug22 1837 by 271		
	268077-1	10 ug/l	70.6	45.0-140	G12133	18Aug22 0931 by 348	24Aug22 1904 by 271		
			Relative Percent Difference:	1.57	35.0	G12133			
Chlorpyrifos	268077-1	10 ug/l	98.4	19.7-125	G12133	18Aug22 0931 by 348	24Aug22 1837 by 271		
	268077-1	10 ug/l	105	19.7-125	G12133	18Aug22 0931 by 348	24Aug22 1904 by 271		
			Relative Percent Difference:	6.58	19.1	G12133			
4,4'-DDD	268077-1	10 ug/l	74.6	31.0-141	G12133	18Aug22 0931 by 348	24Aug22 1837 by 271		
	268077-1	10 ug/l	81.6	31.0-141	G12133	18Aug22 0931 by 348	24Aug22 1904 by 271		
			Relative Percent Difference:	8.98	39.0	G12133			
4,4'-DDE	268077-1	10 ug/l	59.3	30.0-145	G12133	18Aug22 0931 by 348	24Aug22 1837 by 271		
	268077-1	10 ug/l	72.1	30.0-145	G12133	18Aug22 0931 by 348	24Aug22 1904 by 271		
			Relative Percent Difference:	19.5	35.0	G12133			
4,4'-DDT	268077-1	10 ug/l	70.1	25.0-160	G12133	18Aug22 0931 by 348	24Aug22 1837 by 271		
	268077-1	10 ug/l	83.2	25.0-160	G12133	18Aug22 0931 by 348	24Aug22 1904 by 271		
			Relative Percent Difference:	17.1	42.0	G12133			
delta-BHC	268077-1	10 ug/l	91.4	19.0-140	G12133	18Aug22 0931 by 348	24Aug22 1837 by 271		
	268077-1	10 ug/l	81.3	19.0-140	G12133	18Aug22 0931 by 348	24Aug22 1904 by 271		
			Relative Percent Difference:	11.7	52.0	G12133			



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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	DII	Qual
<b>Organochlorine Pesticides and PCBs (Continued)</b>									
Dieldrin	268077-1	10 ug/l	82.1	36.0-146	G12133	18Aug22 0931 by 348	24Aug22 1837 by 271		
	268077-1	10 ug/l	83.3	36.0-146	G12133	18Aug22 0931 by 348	24Aug22 1904 by 271		
	Relative Percent Difference:		1.45	49.0	G12133				
Endosulfan sulfate	268077-1	10 ug/l	91.1	26.0-144	G12133	18Aug22 0931 by 348	24Aug22 1837 by 271		
	268077-1	10 ug/l	97.5	26.0-144	G12133	18Aug22 0931 by 348	24Aug22 1904 by 271		
	Relative Percent Difference:		6.79	38.0	G12133				
Endrin	268077-1	10 ug/l	80.4	30.0-147	G12133	18Aug22 0931 by 348	24Aug22 1837 by 271		
	268077-1	10 ug/l	83.5	30.0-147	G12133	18Aug22 0931 by 348	24Aug22 1904 by 271		
	Relative Percent Difference:		3.78	48.0	G12133				
Endrin aldehyde	268077-1	10 ug/l	81.8	21.0-120	G12133	18Aug22 0931 by 348	24Aug22 1837 by 271		
	268077-1	10 ug/l	82.1	21.0-120	G12133	18Aug22 0931 by 348	24Aug22 1904 by 271		
	Relative Percent Difference:		0.329	27.2	G12133				
gamma-BHC	268077-1	10 ug/l	72.6	32.0-140	G12133	18Aug22 0931 by 348	24Aug22 1837 by 271		
	268077-1	10 ug/l	73.7	32.0-140	G12133	18Aug22 0931 by 348	24Aug22 1904 by 271		
	Relative Percent Difference:		1.23	39.0	G12133				
Heptachlor	268077-1	10 ug/l	80.9	34.0-140	G12133	18Aug22 0931 by 348	24Aug22 1837 by 271		
	268077-1	10 ug/l	85.2	34.0-140	G12133	18Aug22 0931 by 348	24Aug22 1904 by 271		
	Relative Percent Difference:		5.16	43.0	G12133				
Heptachlor epoxide	268077-1	10 ug/l	88.7	37.0-142	G12133	18Aug22 0931 by 348	24Aug22 1837 by 271		
	268077-1	10 ug/l	71.9	37.0-142	G12133	18Aug22 0931 by 348	24Aug22 1904 by 271		
	Relative Percent Difference:		3.11	26.0	G12133				
<b>Organochlorine Pesticides and PCBs Surrogates:</b>									
Decachlorobiphenyl	268077-1	20 ug/l	51.4	1.00-87.5	G12133	18Aug22 0931 by 348	24Aug22 1837 by 271		
	268077-1	20 ug/l	64.2	1.00-87.5	G12133	18Aug22 0931 by 348	24Aug22 1904 by 271		
Tetrachloro-m-xylene	268077-1	20 ug/l	67.8	18.0-104	G12133	18Aug22 0931 by 348	24Aug22 1837 by 271		
	268077-1	20 ug/l	81.6	18.0-104	G12133	18Aug22 0931 by 348	24Aug22 1904 by 271		



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**LABORATORY BLANK RESULTS**

Analyte	Result	RL	LOQ	QC Sample	Preparation Date	Analysis Date	Qual
Antimony	< 0.02 mg/l	0.02	0.03	S53047-1	17Aug22 0849 by 313	17Aug22 1125 by 313	
Arsenic	< 0.0004 mg/l	0.0004	0.0005	S53047-1	17Aug22 0849 by 313	17Aug22 1125 by 313	
Beryllium	< 0.0003 mg/l	0.0003	0.0005	S53047-1	17Aug22 0849 by 313	17Aug22 1125 by 313	
Cadmium	< 0.0003 mg/l	0.0003	0.0005	S53047-1	17Aug22 0849 by 313	17Aug22 1125 by 313	
Chromium	< 0.005 mg/l	0.005	0.01	S53047-1	17Aug22 0849 by 313	17Aug22 1125 by 313	
Copper	< 0.0003 mg/l	0.0003	0.0005	S53047-1	17Aug22 0849 by 313	17Aug22 1125 by 313	
Lead	< 0.0003 mg/l	0.0003	0.0005	S53047-1	17Aug22 0849 by 313	17Aug22 1125 by 313	
Molybdenum	< 0.005 mg/l	0.005	0.01	S53047-1	17Aug22 0849 by 313	17Aug22 1125 by 313	
Nickel	< 0.0003 mg/l	0.0003	0.0005	S53047-1	17Aug22 0849 by 313	17Aug22 1125 by 313	
Selenium	< 0.001 mg/l	0.001	0.002	S53047-1	17Aug22 0849 by 313	17Aug22 1125 by 313	
Silver	< 0.0003 mg/l	0.0003	0.0005	S53047-1	17Aug22 0849 by 313	17Aug22 1125 by 313	
Thallium	< 0.0003 mg/l	0.0003	0.0005	S53047-1	17Aug22 0849 by 313	17Aug22 1125 by 313	
Zinc	< 0.005 mg/l	0.005	0.01	S53047-1	17Aug22 0849 by 313	17Aug22 1125 by 313	
<b>Base/Neutral and Acid Compounds</b>							
Acenaphthene	< 2.5 ug/l	2.5	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Acenaphthylene	< 2.5 ug/l	2.5	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Anthracene	< 2.7 ug/l	2.7	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Benzidines	< 49 ug/l	49	50	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Benzo(a)anthracene	< 2.6 ug/l	2.6	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Benzo(a)pyrene	< 2.8 ug/l	2.8	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Benzo(g,h,i)perylene	< 5.0 ug/l	5.0	10	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Benzo(k)fluoranthene	< 3.1 ug/l	3.1	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
3,4-Benzofluoranthene	< 5.0 ug/l	5.0	10	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Bis(2-chloroethoxy)methane	< 2.5 ug/l	2.5	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Bis(2-chloroethyl)ether	< 2.5 ug/l	2.5	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Bis(2-chloroisopropyl)ether	< 2.5 ug/l	2.5	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Bis(2-ethylhexyl)phthalate	< 3.2 ug/l	3.2	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
4-Bromophenyl phenyl ether	< 2.5 ug/l	2.5	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Butylbenzyl phthalate	< 3.1 ug/l	3.1	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
2-Chloronaphthalene	< 2.5 ug/l	2.5	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
2-Chlorophenol	< 2.5 ug/l	2.5	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
4-Chlorophenyl phenyl ether	< 2.5 ug/l	2.5	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Chrysene	< 2.8 ug/l	2.8	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Di-n-butyl phthalate	< 2.7 ug/l	2.7	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Di-n-octyl phthalate	< 3.8 ug/l	3.8	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Dibenz(a,h)anthracene	< 4.0 ug/l	4.0	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
3,3'-Dichlorobenzidine	< 2.7 ug/l	2.7	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
2,4-Dichlorophenol	< 2.5 ug/l	2.5	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Diethyl phthalate	< 2.6 ug/l	2.6	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Dimethyl phthalate	< 2.0 ug/l	2.0	4.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
2,4-Dimethylphenol	< 2.5 ug/l	2.5	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
4,8-Dinitro-o-cresol	< 5.8 ug/l	5.8	10	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
2,4-Dinitrophenol	< 5.0 ug/l	5.0	10	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
2,4-Dinitrotoluene	< 2.5 ug/l	2.5	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
2,6-Dinitrotoluene	< 2.5 ug/l	2.5	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
1,2-Diphenylhydrazine	< 2.5 ug/l	2.5	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Fluorene	< 2.5 ug/l	2.5	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Hexachlorobenzene	< 2.5 ug/l	2.5	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Hexachlorobutadiene	< 1.7 ug/l	1.7	2.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Hexachlorocyclopentadiene	< 5.0 ug/l	5.0	10	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	



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**LABORATORY BLANK RESULTS**

Analyte	Result	RL	LOQ	QC Sample	Preparation Date	Analysis Date	Qual
<b>Base/Neutral and Acid Compounds</b>							
Hexachloroethane	< 2.0 ug/l	2.0	4.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Indeno(1,2,3-cd)pyrene	< 4.1 ug/l	4.1	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Isophorone	< 2.5 ug/l	2.5	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
n-Nitrosodi-n-propylamine	< 5.0 ug/l	5.0	10	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
n-Nitrosodimethylamine	< 5.0 ug/l	5.0	10	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
n-Nitrosodiphenylamine	< 5.0 ug/l	5.0	10	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	R
Naphthalene	< 2.0 ug/l	2.0	4.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Nitrobenzene	< 2.5 ug/l	2.5	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
2-Nitrophenol	< 2.5 ug/l	2.5	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
4-Nitrophenol	< 3.7 ug/l	3.7	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
p-Chloro-m-cresol	< 2.5 ug/l	2.5	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Pentachlorophenol	< 3.7 ug/l	3.7	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Phenanthrene	< 2.5 ug/l	2.5	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Phenol	< 2.0 ug/l	2.0	4.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Pyrene	< 2.5 ug/l	2.5	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
1,2,4-Trichlorobenzene	< 2.5 ug/l	2.5	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
2,4,6-Trichlorophenol	< 2.5 ug/l	2.5	5.0	B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
<b>Base/Neutral and Acid Compounds Surrogates:</b>							
2-Fluorobiphenyl (52.2-106%)	88.9 %			B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
2-Fluorophenol (32.7-95.3%)	62.3 %			B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Nitrobenzene-D5 (54.1-111%)	92.8 %			B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
Terphenyl-D14 (53.8-120%)	79.4 %			B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
2,4,6-Tribromophenol (34.6-125%)	57.4 %			B12926-1	18Aug22 0929 by 348	23Aug22 2028 by 271	
<b>Organochlorine Pesticides and PCBs</b>							
Aldrin	< 0.0050 ug/l	0.0050	0.010	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
alpha-BHC	< 0.0037 ug/l	0.0037	0.0050	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
alpha-Endosulfan	< 0.0050 ug/l	0.0050	0.010	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
beta-BHC	< 0.0050 ug/l	0.0050	0.010	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
beta-Endosulfan	< 0.0062 ug/l	0.0062	0.010	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
cis-Chlordane	< 0.010 ug/l	0.010	0.020	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
trans-Chlordane	< 0.010 ug/l	0.010	0.020	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
Chlorpyrifos	< 0.010 ug/l	0.010	0.020	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
4,4'-DDD	< 0.010 ug/l	0.010	0.020	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
4,4'-DDE	< 0.0050 ug/l	0.0050	0.010	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
4,4'-DDT	< 0.010 ug/l	0.010	0.020	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
delta-BHC	< 0.010 ug/l	0.010	0.020	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
Dieldrin	< 0.0036 ug/l	0.0036	0.0050	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
Endosulfan sulfate	< 0.010 ug/l	0.010	0.020	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
Endrin	< 0.0053 ug/l	0.0053	0.010	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
Endrin aldehyde	< 0.042 ug/l	0.042	0.050	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
gamma-BHC	< 0.0050 ug/l	0.0050	0.010	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
Heptachlor	< 0.0044 ug/l	0.0044	0.0050	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
Heptachlor epoxide	< 0.0050 ug/l	0.0050	0.010	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
PCB 1016	< 0.056 ug/l	0.056	0.10	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
PCB 1221	< 0.10 ug/l	0.10	0.10	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
PCB 1232	< 0.10 ug/l	0.10	0.10	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
PCB 1242	< 0.10 ug/l	0.10	0.10	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
PCB 1248	< 0.10 ug/l	0.10	0.10	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
PCB 1254	< 0.10 ug/l	0.10	0.10	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	





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**LABORATORY BLANK RESULTS**

Analyte	Result	RL	LOQ	QC Sample	Preparation Date	Analysis Date	Qual
<b>Organochlorine Pesticides and PCBs</b>							
PCB 1260	< 0.050 ug/l	0.050	0.10	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
Toxaphene	< 0.16 ug/l	0.16	0.20	G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
<b>Organochlorine Pesticides and PCBs Surrogates:</b>							
Decachlorobiphenyl (44.1-106%)	75.2 %			G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	
Tetrachloro-m-xylene (51.5-98.8%)	79.0 %			G12133-1	18Aug22 0931 by 348	24Aug22 1715 by 271	







Springdale Water Utilities  
ATTN: Mr. Brad Stewart  
Post Office Box 769  
Springdale, AR 72762

This report contains the analytical results and supporting information for samples received on November 1, 2022. Attached please find a copy of the Chain of Custody and/or other documents received. Note that any remaining sample will be discarded two weeks from the original report date unless other arrangements are made.

This report is intended for the sole use of the client listed above. Assessment of the data requires access to the entire document.

This report has been reviewed by the Chief Operating Officer or a qualified designee.

A handwritten signature in cursive script that reads 'Steve Bradford'. The signature is written in black ink and is positioned above a horizontal line.

Steve Bradford  
Deputy Laboratory Director

This document has been distributed to the following:

PDF cc: Springdale Water Utilities  
ATTN: Mr. Brad Stewart  
bstewart@springdalewater.com



Springdale Water Utilities  
Post Office Box 769  
Springdale, AR 72762

**SAMPLE INFORMATION**

**Project Description:**

Twelve (12) water and one (1) sludge sample(s) received on November 1, 2022  
T. III  
P.O. No. 002248700

**Receipt Details:**

A Chain of Custody was provided. The samples were delivered in one (1) ice chest.  
Ice chest #1 was delivered with shipping documentation.

Each sample container was checked for proper labeling, including date and time sampled. Sample containers were reviewed for proper type, adequate volume, integrity, temperature, preservation, and holding times. Any exceptions are noted below:

**Sample Identification:**

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Sampled Date/Time</u>	<u>Notes</u>
270131-1	SWWTF INF	25-Oct-2022 0800	
270131-2	SWWTF INF	25-Oct-2022 1400	
270131-3	SWWTF EFF	28-Oct-2022 0200	
270131-4	SWWTF EFF	28-Oct-2022 0800	
270131-5	SWWTF INF	25-Oct-2022 0707	
270131-6	SWWTF EFF	28-Oct-2022 0706	
270131-7	SWWTF BELT PRESS INF	27-Oct-2022 1500	

**Qualifiers:**

- D Result is from a secondary dilution factor
- X Spiking level is invalid due to the high concentration of analyte in the spiked sample

**Case Narrative:**

Analysis of soils/sludges are reported on a dry-weight basis unless otherwise specified.

**References:**

- "Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).
- "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.
- "Standard Methods for the Examination of Water and Wastewaters", (SM).
- "American Society for Testing and Materials" (ASTM).
- "Association of Analytical Chemists" (AOAC).

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**ANALYTICAL RESULTS**

**AIC No. 270131-1**

**Sample Identification:** SWWTF INF 25-Oct-2022 0800

Analyte	Result	RL	Units	Qualifier
<b>Total Recoverable Phenolics</b> EPA 420.1	<b>0.14</b> Analyzed: 09-Nov-2022 0954 by 330	<b>0.01</b>	<b>mg/l</b> Batch: W81370	<b>D</b> Dil: 2
<b>Total Cyanide</b> SM 4500-CN C,E 2016	<b>&lt; 0.01</b> Analyzed: 04-Nov-2022 1518 by 376	<b>0.01</b>	<b>mg/l</b> Batch: W81320	

**AIC No. 270131-2**

**Sample Identification:** SWWTF INF 25-Oct-2022 1400

Analyte	Result	RL	Units	Qualifier
<b>Antimony</b> EPA 200.8	<b>&lt; 60</b> Analyzed: 04-Nov-2022 1342 by 313	<b>60</b>	<b>ug/l</b> Batch: S53378	
<b>Arsenic</b> EPA 200.8	<b>48</b> Analyzed: 04-Nov-2022 1342 by 313	<b>0.5</b>	<b>ug/l</b> Batch: S53378	
<b>Beryllium</b> EPA 200.8	<b>&lt; 0.5</b> Analyzed: 04-Nov-2022 1342 by 313	<b>0.5</b>	<b>ug/l</b> Batch: S53378	
<b>Cadmium</b> EPA 200.8	<b>&lt; 0.5</b> Analyzed: 04-Nov-2022 1342 by 313	<b>0.5</b>	<b>ug/l</b> Batch: S53378	
<b>Chromium</b> EPA 200.8	<b>&lt; 10</b> Analyzed: 04-Nov-2022 1342 by 313	<b>10</b>	<b>ug/l</b> Batch: S53378	
<b>Copper</b> EPA 200.8	<b>27</b> Analyzed: 04-Nov-2022 1342 by 313	<b>0.5</b>	<b>ug/l</b> Batch: S53378	
<b>Lead</b> EPA 200.8	<b>0.84</b> Analyzed: 04-Nov-2022 1342 by 313	<b>0.5</b>	<b>ug/l</b> Batch: S53378	
<b>Molybdenum</b> EPA 200.8	<b>&lt; 10</b> Analyzed: 04-Nov-2022 1342 by 313	<b>10</b>	<b>ug/l</b> Batch: S53378	
<b>Nickel</b> EPA 200.8	<b>5.7</b> Analyzed: 04-Nov-2022 1342 by 313	<b>0.5</b>	<b>ug/l</b> Batch: S53378	
<b>Selenium</b> EPA 200.8	<b>&lt; 5</b> Analyzed: 04-Nov-2022 1342 by 313	<b>5</b>	<b>ug/l</b> Batch: S53378	
<b>Silver</b> EPA 200.8	<b>&lt; 0.5</b> Analyzed: 04-Nov-2022 1342 by 313	<b>0.5</b>	<b>ug/l</b> Batch: S53378	
<b>Thallium</b> EPA 200.8	<b>&lt; 0.5</b> Analyzed: 04-Nov-2022 1342 by 313	<b>0.5</b>	<b>ug/l</b> Batch: S53378	
<b>Zinc</b> EPA 200.8	<b>120</b> Analyzed: 04-Nov-2022 1428 by 313	<b>100</b>	<b>ug/l</b> Batch: S53378	<b>D</b> Dil: 5

**AIC No. 270131-3**

**Sample Identification:** SWWTF EFF 28-Oct-2022 0200

Analyte	Result	RL	Units	Qualifier
<b>Total Recoverable Phenolics</b> EPA 420.1	<b>0.031</b> Analyzed: 09-Nov-2022 0954 by 330	<b>0.005</b>	<b>mg/l</b> Batch: W81370	

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**ANALYTICAL RESULTS**

**AIC No. 270131-3 (Continued)**

**Sample Identification: SWWTF EFF 28-Oct-2022 0200**

<b>Analyte</b>	<b>Result</b>	<b>RL</b>	<b>Units</b>	<b>Qualifier</b>
<b>Total Cyanide</b> SM 4500-CN C,E 2016	<b>&lt; 0.01</b>	<b>0.01</b>	<b>mg/l</b>	
Prep: 04-Nov-2022 0856 by 376	Analyzed: 04-Nov-2022 1513 by 376		Batch: W81320	

**AIC No. 270131-4**

**Sample Identification: SWWTF EFF 28-Oct-2022 0800**

<b>Analyte</b>	<b>Result</b>	<b>RL</b>	<b>Units</b>	<b>Qualifier</b>
<b>Antimony</b> EPA 200.8	<b>&lt; 60</b>	<b>60</b>	<b>ug/l</b>	
Prep: 04-Nov-2022 0837 by 313	Analyzed: 04-Nov-2022 1345 by 313		Batch: S53378	
<b>Arsenic</b> EPA 200.8	<b>4.5</b>	<b>0.5</b>	<b>ug/l</b>	
Prep: 04-Nov-2022 0837 by 313	Analyzed: 04-Nov-2022 1345 by 313		Batch: S53378	
<b>Beryllium</b> EPA 200.8	<b>&lt; 0.5</b>	<b>0.5</b>	<b>ug/l</b>	
Prep: 04-Nov-2022 0837 by 313	Analyzed: 04-Nov-2022 1345 by 313		Batch: S53378	
<b>Cadmium</b> EPA 200.8	<b>&lt; 0.5</b>	<b>0.5</b>	<b>ug/l</b>	
Prep: 04-Nov-2022 0837 by 313	Analyzed: 04-Nov-2022 1345 by 313		Batch: S53378	
<b>Chromium</b> EPA 200.8	<b>&lt; 10</b>	<b>10</b>	<b>ug/l</b>	
Prep: 04-Nov-2022 0837 by 313	Analyzed: 04-Nov-2022 1345 by 313		Batch: S53378	
<b>Copper</b> EPA 200.8	<b>3.5</b>	<b>0.5</b>	<b>ug/l</b>	
Prep: 04-Nov-2022 0837 by 313	Analyzed: 04-Nov-2022 1345 by 313		Batch: S53378	
<b>Lead</b> EPA 200.8	<b>&lt; 0.5</b>	<b>0.5</b>	<b>ug/l</b>	
Prep: 04-Nov-2022 0837 by 313	Analyzed: 04-Nov-2022 1345 by 313		Batch: S53378	
<b>Molybdenum</b> EPA 200.8	<b>&lt; 10</b>	<b>10</b>	<b>ug/l</b>	
Prep: 04-Nov-2022 0837 by 313	Analyzed: 04-Nov-2022 1345 by 313		Batch: S53378	
<b>Nickel</b> EPA 200.8	<b>2.9</b>	<b>0.5</b>	<b>ug/l</b>	
Prep: 04-Nov-2022 0837 by 313	Analyzed: 04-Nov-2022 1345 by 313		Batch: S53378	
<b>Selenium</b> EPA 200.8	<b>&lt; 5</b>	<b>5</b>	<b>ug/l</b>	
Prep: 04-Nov-2022 0837 by 313	Analyzed: 04-Nov-2022 1345 by 313		Batch: S53378	
<b>Silver</b> EPA 200.8	<b>&lt; 0.5</b>	<b>0.5</b>	<b>ug/l</b>	
Prep: 04-Nov-2022 0837 by 313	Analyzed: 04-Nov-2022 1345 by 313		Batch: S53378	
<b>Thallium</b> EPA 200.8	<b>&lt; 0.5</b>	<b>0.5</b>	<b>ug/l</b>	
Prep: 04-Nov-2022 0837 by 313	Analyzed: 04-Nov-2022 1345 by 313		Batch: S53378	
<b>Zinc</b> EPA 200.8	<b>&lt; 20</b>	<b>20</b>	<b>ug/l</b>	
Prep: 04-Nov-2022 0837 by 313	Analyzed: 04-Nov-2022 1345 by 313		Batch: S53378	

**AIC No. 270131-5**

**Sample Identification: SWWTF INF 25-Oct-2022 0707**

Note: Analysis was performed on a composite of four (4) samples submitted.

<b>Analyte</b>	<b>Result</b>	<b>RL</b>	<b>Units</b>	<b>Qualifier</b>
<b>Mercury, low level</b> EPA 245.7	<b>&lt; 0.0050</b>	<b>0.0050</b>	<b>ug/l</b>	
Prep: 07-Nov-2022 1037 by 313	Analyzed: 07-Nov-2022 1216 by 313		Batch: S53384	

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**ANALYTICAL RESULTS**

**AIC No. 270131-6**

**Sample Identification:** SWWTF EFF 28-Oct-2022 0706

Note: Analysis was performed on a composite of four (4) samples submitted.

Analyte	Result	RL	Units	Qualifier
<b>Mercury, low level</b> EPA 245.7	<b>&lt; 0.0050</b>	0.0050	<b>ug/l</b>	
Prep: 07-Nov-2022 1037 by 313	Analyzed: 07-Nov-2022 1211 by 313		Batch: S53384	

**AIC No. 270131-7**

**Sample Identification:** SWWTF BELT PRESS INF 27-Oct-2022 1500

Note: Data is presented on a dry weight basis.

Analyte	Result	RL	Units	Qualifier
<b>Total Cyanide</b> EPA 9010C, 9014	<b>&lt; 40</b>	40	<b>mg/Kg</b>	
Prep: 04-Nov-2022 1110 by 376	Analyzed: 04-Nov-2022 1619 by 376		Batch: W81326	
<b>Total Recoverable Phenolics</b> EPA 9065	<b>110</b>	80	<b>mg/Kg</b>	
	Analyzed: 15-Nov-2022 0922 by 330		Batch: W81425	
<b>Total Solids</b> SM 2540 G 2015	<b>3.2</b>	0.01	<b>wt %</b>	
Prep: 01-Nov-2022 1340 by 375	Analyzed: 02-Nov-2022 1018 by 375		Batch: W81283	
<b>Antimony</b> EPA 3051A, 6010D	<b>&lt; 6</b>	6	<b>mg/Kg</b>	
Prep: 03-Nov-2022 0951 by 328	Analyzed: 03-Nov-2022 1812 by 374		Batch: S53371	
<b>Arsenic</b> EPA 3051A, 6010D	<b>&lt; 5</b>	5	<b>mg/Kg</b>	
Prep: 03-Nov-2022 0951 by 328	Analyzed: 03-Nov-2022 1812 by 374		Batch: S53371	
<b>Beryllium</b> EPA 3051A, 6010D	<b>&lt; 0.05</b>	0.05	<b>mg/Kg</b>	
Prep: 03-Nov-2022 0951 by 328	Analyzed: 03-Nov-2022 1812 by 374		Batch: S53371	
<b>Cadmium</b> EPA 3051A, 6010D	<b>&lt; 0.4</b>	0.4	<b>mg/Kg</b>	
Prep: 03-Nov-2022 0951 by 328	Analyzed: 03-Nov-2022 1812 by 374		Batch: S53371	
<b>Chromium</b> EPA 3051A, 6010D	<b>7.7</b>	1	<b>mg/Kg</b>	
Prep: 03-Nov-2022 0951 by 328	Analyzed: 03-Nov-2022 1812 by 374		Batch: S53371	
<b>Copper</b> EPA 3051A, 6010D	<b>68</b>	1	<b>mg/Kg</b>	
Prep: 03-Nov-2022 0951 by 328	Analyzed: 03-Nov-2022 1812 by 374		Batch: S53371	
<b>Lead</b> EPA 3051A, 6010D	<b>4.2</b>	4	<b>mg/Kg</b>	
Prep: 03-Nov-2022 0951 by 328	Analyzed: 03-Nov-2022 1812 by 374		Batch: S53371	
<b>Molybdenum</b> EPA 3051A, 6010D	<b>3.6</b>	1	<b>mg/Kg</b>	
Prep: 03-Nov-2022 0951 by 328	Analyzed: 03-Nov-2022 1812 by 374		Batch: S53371	
<b>Nickel</b> EPA 3051A, 6010D	<b>12</b>	1	<b>mg/Kg</b>	
Prep: 03-Nov-2022 0951 by 328	Analyzed: 03-Nov-2022 1812 by 374		Batch: S53371	
<b>Selenium</b> EPA 3051A, 6010D	<b>8.0</b>	7	<b>mg/Kg</b>	
Prep: 03-Nov-2022 0951 by 328	Analyzed: 03-Nov-2022 1812 by 374		Batch: S53371	
<b>Silver</b> EPA 3051A, 6010D	<b>&lt; 0.7</b>	0.7	<b>mg/Kg</b>	
Prep: 03-Nov-2022 0951 by 328	Analyzed: 03-Nov-2022 1812 by 374		Batch: S53371	
<b>Thallium</b> EPA 3051A, 6010D	<b>&lt; 4</b>	4	<b>mg/Kg</b>	
Prep: 03-Nov-2022 0951 by 328	Analyzed: 03-Nov-2022 1812 by 374		Batch: S53371	
<b>Zinc</b> EPA 3051A, 6010D	<b>330</b>	10	<b>mg/Kg</b>	
Prep: 03-Nov-2022 0951 by 328	Analyzed: 03-Nov-2022 1808 by 374		Batch: S53371	





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**ANALYTICAL RESULTS**

**AIC No. 270131-7 (Continued)**

**Sample Identification: SWWTF BELT PRESS INF 27-Oct-2022 1500**

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
<b>Mercury</b> EPA 7471B	<b>0.12</b> Prep: 02-Nov-2022 1002 by 330	<b>0.1</b> Analyzed: 02-Nov-2022 1339 by 330	<b>mg/Kg</b> Batch: S53366	



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**DUPLICATE RESULTS**

Analyte	AIC No.	Result	RPD	RPD Limit	Preparation Date	Analysis Date	DII	Qual
Total Solids	270131-7	3.2 wt %			01Nov22 1340 by 375	02Nov22 1018 by 375		
	Batch: W81283 Duplicate	3.2 wt %	1.09	10.0	01Nov22 1341 by 375	02Nov22 1018 by 375		

**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	DII	Qual
Total Recoverable Phenolics	0.1 mg/l	98.4	80.9-114			W81370		09Nov22 0954 by 330		
Total Cyanide	0.1 mg/l	94.6	81.7-103			W81320	04Nov22 0856 by 376	04Nov22 1511 by 376		
Antimony	0.02 mg/l	98.5	85.0-115			S53378	04Nov22 0837 by 313	04Nov22 1212 by 313		
Arsenic	0.02 mg/l	97.5	85.0-115			S53378	04Nov22 0837 by 313	04Nov22 1212 by 313		
Beryllium	0.02 mg/l	95.3	85.0-115			S53378	04Nov22 0837 by 313	04Nov22 1212 by 313		
Cadmium	0.02 mg/l	97.8	85.0-115			S53378	04Nov22 0837 by 313	04Nov22 1212 by 313		
Chromium	0.02 mg/l	97.4	85.0-115			S53378	04Nov22 0837 by 313	04Nov22 1212 by 313		
Copper	0.02 mg/l	101	85.0-115			S53378	04Nov22 0837 by 313	04Nov22 1212 by 313		
Lead	0.02 mg/l	103	85.0-115			S53378	04Nov22 0837 by 313	04Nov22 1212 by 313		
Molybdenum	0.02 mg/l	98.0	85.0-115			S53378	04Nov22 0837 by 313	04Nov22 1212 by 313		
Nickel	0.02 mg/l	102	85.0-115			S53378	04Nov22 0837 by 313	04Nov22 1212 by 313		
Selenium	0.02 mg/l	87.9	85.0-115			S53378	04Nov22 0837 by 313	04Nov22 1212 by 313		
Silver	0.02 mg/l	103	85.0-115			S53378	04Nov22 0837 by 313	04Nov22 1212 by 313		
Thallium	0.02 mg/l	103	85.0-115			S53378	04Nov22 0837 by 313	04Nov22 1212 by 313		
Zinc	0.02 mg/l	96.4	85.0-115			S53378	04Nov22 0837 by 313	04Nov22 1212 by 313		
Mercury, low level	0.01 ug/l	108	76.0-113			S53384	07Nov22 1037 by 313	07Nov22 1157 by 313		
Total Cyanide	0.500 mg/Kg	96.1	70.7-109			W81326	04Nov22 1110 by 376	04Nov22 1617 by 376		
Total Recoverable Phenolics	1000 mg/Kg	105	53.9-138			W81425		15Nov22 0922 by 330		
Antimony	200 mg/Kg	90.4	85.0-115			S53371	03Nov22 0951 by 328	03Nov22 1633 by 328		
Arsenic	200 mg/Kg	92.4	85.0-115			S53371	03Nov22 0951 by 328	03Nov22 1535 by 328		
Beryllium	2.00 mg/Kg	97.2	85.0-115			S53371	03Nov22 0951 by 328	03Nov22 1419 by 328		
Cadmium	20.0 mg/Kg	96.5	85.0-115			S53371	03Nov22 0951 by 328	03Nov22 1419 by 328		
Chromium	20.0 mg/Kg	94.3	85.0-115			S53371	03Nov22 0951 by 328	03Nov22 1535 by 328		
Copper	20.0 mg/Kg	97.1	85.0-115			S53371	03Nov22 0951 by 328	03Nov22 1419 by 328		
Lead	200 mg/Kg	87.7	85.0-115			S53371	03Nov22 0951 by 328	03Nov22 1419 by 328		
Molybdenum	20.0 mg/Kg	95.0	85.0-115			S53371	03Nov22 0951 by 328	03Nov22 1419 by 328		
Nickel	20.0 mg/Kg	92.4	85.0-115			S53371	03Nov22 0951 by 328	03Nov22 1419 by 328		
Selenium	200 mg/Kg	98.9	85.0-115			S53371	03Nov22 0951 by 328	03Nov22 1419 by 328		
Silver	4.00 mg/Kg	106	85.0-115			S53371	03Nov22 0951 by 328	03Nov22 1633 by 328		
Thallium	200 mg/Kg	91.6	85.0-115			S53371	03Nov22 0951 by 328	03Nov22 1419 by 328		
Zinc	20.0 mg/Kg	103	85.0-115			S53371	03Nov22 0951 by 328	03Nov22 1419 by 328		
Mercury	1.25 mg/Kg	93.8	85.0-115			S53366	02Nov22 1003 by 330	02Nov22 1333 by 330		

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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	DII	Qual
Total Recoverable Phenolics	270135-3	0.1 mg/l	115	61.0-123	W81370		09Nov22 1436 by 330		
	270135-3	0.1 mg/l	112	61.0-123	W81370		09Nov22 1436 by 330		
	Relative Percent Difference:		2.66	10.0	W81370				
Total Cyanide	270131-3	0.1 mg/l	90.6	68.3-106	W81320	04Nov22 0856 by 376	04Nov22 1514 by 376		
	270131-3	0.1 mg/l	88.1	68.3-106	W81320	04Nov22 0856 by 376	04Nov22 1516 by 376		
	Relative Percent Difference:		2.80	10.8	W81320				
Antimony	270065-1	0.02 mg/l	99.5	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1216 by 313		
	270065-1	0.02 mg/l	99.7	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1219 by 313		
	Relative Percent Difference:		0.257	20.0	S53378				
Arsenic	270065-1	0.02 mg/l	105	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1216 by 313		
	270065-1	0.02 mg/l	103	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1219 by 313		
	Relative Percent Difference:		1.33	20.0	S53378				
Beryllium	270065-1	0.02 mg/l	90.2	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1216 by 313		
	270065-1	0.02 mg/l	92.4	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1219 by 313		
	Relative Percent Difference:		2.42	20.0	S53378				
Cadmium	270065-1	0.02 mg/l	96.5	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1216 by 313		
	270065-1	0.02 mg/l	97.0	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1219 by 313		
	Relative Percent Difference:		0.545	20.0	S53378				
Chromium	270065-1	0.02 mg/l	93.9	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1216 by 313		
	270065-1	0.02 mg/l	94.4	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1219 by 313		
	Relative Percent Difference:		0.570	20.0	S53378				
Copper	270065-1	0.02 mg/l	92.9	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1216 by 313		
	270065-1	0.02 mg/l	93.5	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1219 by 313		
	Relative Percent Difference:		0.528	20.0	S53378				
Lead	270065-1	0.02 mg/l	98.0	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1216 by 313		
	270065-1	0.02 mg/l	97.5	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1219 by 313		
	Relative Percent Difference:		0.517	20.0	S53378				
Molybdenum	270065-1	0.02 mg/l	100	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1216 by 313		
	270065-1	0.02 mg/l	101	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1219 by 313		
	Relative Percent Difference:		0.581	20.0	S53378				
Nickel	270065-1	0.02 mg/l	96.9	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1216 by 313		
	270065-1	0.02 mg/l	97.9	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1219 by 313		
	Relative Percent Difference:		0.945	20.0	S53378				
Selenium	270065-1	0.02 mg/l	93.2	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1216 by 313		
	270065-1	0.02 mg/l	92.9	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1219 by 313		
	Relative Percent Difference:		0.273	20.0	S53378				
Silver	270065-1	0.02 mg/l	97.5	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1216 by 313		
	270065-1	0.02 mg/l	98.5	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1219 by 313		
	Relative Percent Difference:		1.02	20.0	S53378				
Thallium	270065-1	0.02 mg/l	98.0	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1216 by 313		
	270065-1	0.02 mg/l	98.0	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1219 by 313		
	Relative Percent Difference:		0.0761	20.0	S53378				
Zinc	270065-1	0.02 mg/l	92.4	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1216 by 313		
	270065-1	0.02 mg/l	93.9	75.0-125	S53378	04Nov22 0837 by 313	04Nov22 1219 by 313		
	Relative Percent Difference:		1.20	20.0	S53378				
Mercury, low level	270131-6	0.01 ug/l	93.3	63.0-111	S53384	07Nov22 1037 by 313	07Nov22 1201 by 313		
	270131-6	0.01 ug/l	101	63.0-111	S53384	07Nov22 1037 by 313	07Nov22 1206 by 313		
	Relative Percent Difference:		7.54	18.0	S53384				
Total Cyanide	270131-7	9.92 mg/Kg	101	44.7-126	W81326	04Nov22 1110 by 376	04Nov22 1621 by 376		
	270131-7	9.93 mg/Kg	88.6	44.7-126	W81326	04Nov22 1110 by 376	04Nov22 1622 by 376		
	Relative Percent Difference:		12.7	14.2	W81326				

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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Recoverable Phenolics	270131-7	974 mg/Kg	106	53.7-116	W81425		15Nov22 0922 by 330		
	270131-7	957 mg/Kg	106	53.7-116	W81425		15Nov22 0922 by 330		
	Relative Percent Difference:		0.283	10.0	W81425				
Antimony	270172-1	199 mg/Kg	87.7	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1636 by 328		
	270172-1	199 mg/Kg	86.7	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1638 by 328		
	Relative Percent Difference:		1.15	20.0	S53371				
Arsenic	270172-1	199 mg/Kg	92.3	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1538 by 328		
	270172-1	199 mg/Kg	93.9	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1540 by 328		
	Relative Percent Difference:		1.70	20.0	S53371				
Beryllium	270172-1	1.99 mg/Kg	94.1	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1421 by 328		
	270172-1	1.99 mg/Kg	95.0	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1425 by 328		
	Relative Percent Difference:		0.610	20.0	S53371				
Cadmium	270172-1	19.9 mg/Kg	86.3	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1421 by 328		
	270172-1	19.9 mg/Kg	87.2	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1425 by 328		
	Relative Percent Difference:		0.996	20.0	S53371				
Chromium	270172-1	19.9 mg/Kg	86.4	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1538 by 328		
	270172-1	19.9 mg/Kg	88.6	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1540 by 328		
	Relative Percent Difference:		1.88	20.0	S53371				
Copper	270172-1	19.9 mg/Kg	-	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1438 by 328		X
	270172-1	19.9 mg/Kg	-	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1441 by 328		X
	Relative Percent Difference:		3.72	20.0	S53371				
Lead	270172-1	199 mg/Kg	75.5	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1421 by 328		
	270172-1	199 mg/Kg	76.5	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1425 by 328		
	Relative Percent Difference:		1.24	20.0	S53371				
Molybdenum	270172-1	19.9 mg/Kg	84.8	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1421 by 328		
	270172-1	19.9 mg/Kg	88.3	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1425 by 328		
	Relative Percent Difference:		3.31	20.0	S53371				
Nickel	270172-1	19.9 mg/Kg	80.4	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1421 by 328		
	270172-1	19.9 mg/Kg	80.0	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1425 by 328		
	Relative Percent Difference:		0.459	20.0	S53371				
Selenium	270172-1	199 mg/Kg	95.3	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1421 by 328		
	270172-1	199 mg/Kg	96.6	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1425 by 328		
	Relative Percent Difference:		1.29	20.0	S53371				
Silver	270172-1	3.98 mg/Kg	105	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1636 by 328		
	270172-1	3.98 mg/Kg	105	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1638 by 328		
	Relative Percent Difference:		0.381	20.0	S53371				
Thallium	270172-1	199 mg/Kg	77.4	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1421 by 328		
	270172-1	199 mg/Kg	78.6	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1425 by 328		
	Relative Percent Difference:		1.49	20.0	S53371				
Zinc	270172-1	19.9 mg/Kg	101	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1421 by 328		
	270172-1	19.9 mg/Kg	105	75.0-125	S53371	03Nov22 0951 by 328	03Nov22 1425 by 328		
	Relative Percent Difference:		0.912	20.0	S53371				
Mercury	270131-7	2.24 mg/Kg	102	75.0-125	S53366	02Nov22 1003 by 330	02Nov22 1335 by 330		
	270131-7	2.36 mg/Kg	86.7	75.0-125	S53366	02Nov22 1003 by 330	02Nov22 1337 by 330		
	Relative Percent Difference:		15.1	20.0	S53366				

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**LABORATORY BLANK RESULTS**

Analyte	Result	RL	LOQ	QC Sample	Preparation Date	Analysis Date	Qual
Total Recoverable Phenolics	< 0.0050 mg/l	0.0050	0.005	W81370-1		09Nov22 0954 by 330	
Total Cyanide	< 0.0076 mg/l	0.0076	0.01	W81320-1	04Nov22 0856 by 376	04Nov22 1509 by 376	
Antimony	< 0.02 mg/l	0.02	0.03	S53378-1	04Nov22 0837 by 313	04Nov22 1208 by 313	
Arsenic	< 0.0004 mg/l	0.0004	0.0005	S53378-1	04Nov22 0837 by 313	04Nov22 1208 by 313	
Beryllium	< 0.0003 mg/l	0.0003	0.0005	S53378-1	04Nov22 0837 by 313	04Nov22 1208 by 313	
Cadmium	< 0.0003 mg/l	0.0003	0.0005	S53378-1	04Nov22 0837 by 313	04Nov22 1208 by 313	
Chromium	< 0.005 mg/l	0.005	0.01	S53378-1	04Nov22 0837 by 313	04Nov22 1208 by 313	
Copper	< 0.0003 mg/l	0.0003	0.0005	S53378-1	04Nov22 0837 by 313	04Nov22 1208 by 313	
Lead	< 0.0003 mg/l	0.0003	0.0005	S53378-1	04Nov22 0837 by 313	04Nov22 1208 by 313	
Molybdenum	< 0.005 mg/l	0.005	0.01	S53378-1	04Nov22 0837 by 313	04Nov22 1208 by 313	
Nickel	< 0.0003 mg/l	0.0003	0.0005	S53378-1	04Nov22 0837 by 313	04Nov22 1208 by 313	
Selenium	< 0.001 mg/l	0.001	0.002	S53378-1	04Nov22 0837 by 313	04Nov22 1208 by 313	
Silver	< 0.0003 mg/l	0.0003	0.0005	S53378-1	04Nov22 0837 by 313	04Nov22 1208 by 313	
Thallium	< 0.0003 mg/l	0.0003	0.0005	S53378-1	04Nov22 0837 by 313	04Nov22 1208 by 313	
Zinc	< 0.005 mg/l	0.005	0.01	S53378-1	04Nov22 0837 by 313	04Nov22 1208 by 313	
Mercury, low level	< 0.0030 ug/l	0.0030	0.0050	S53384-1	07Nov22 1037 by 313	07Nov22 1152 by 313	
Total Cyanide	< 0.093 mg/Kg	0.093	1	W81326-1	04Nov22 1110 by 376	04Nov22 1616 by 376	
Total Recoverable Phenolics	< 1.3 mg/Kg	1.3	2.5	W81425-1		15Nov22 0922 by 330	
Antimony	< 3 mg/Kg	3	6	S53371-1	03Nov22 0951 by 328	03Nov22 1630 by 328	
Arsenic	< 3 mg/Kg	3	5	S53371-1	03Nov22 0951 by 328	03Nov22 1532 by 328	
Beryllium	< 0.03 mg/Kg	0.03	0.05	S53371-1	03Nov22 0951 by 328	03Nov22 1416 by 328	
Cadmium	< 0.2 mg/Kg	0.2	0.4	S53371-1	03Nov22 0951 by 328	03Nov22 1416 by 328	
Chromium	< 0.5 mg/Kg	0.5	1	S53371-1	03Nov22 0951 by 328	03Nov22 1532 by 328	
Copper	< 0.6 mg/Kg	0.6	1	S53371-1	03Nov22 0951 by 328	03Nov22 1416 by 328	
Lead	< 2 mg/Kg	2	4	S53371-1	03Nov22 0951 by 328	03Nov22 1416 by 328	
Molybdenum	< 0.5 mg/Kg	0.5	1	S53371-1	03Nov22 0951 by 328	03Nov22 1416 by 328	
Nickel	< 0.6 mg/Kg	0.6	1	S53371-1	03Nov22 0951 by 328	03Nov22 1416 by 328	
Selenium	< 4 mg/Kg	4	7	S53371-1	03Nov22 0951 by 328	03Nov22 1416 by 328	
Silver	< 0.4 mg/Kg	0.4	0.7	S53371-1	03Nov22 0951 by 328	03Nov22 1630 by 328	
Thallium	< 2 mg/Kg	2	4	S53371-1	03Nov22 0951 by 328	03Nov22 1416 by 328	
Zinc	< 0.5 mg/Kg	0.5	1	S53371-1	03Nov22 0951 by 328	03Nov22 1416 by 328	
Mercury	< 0.05 mg/Kg	0.05	0.1	S53366-1	02Nov22 1003 by 330	02Nov22 1331 by 330	



CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

Client: Springdale Water Utilities		PO No. 002248700		NO OF BOTTLES		ANALYSES REQUESTED		AIC CONTROL NO: 270131		AIC PROPOSAL NO:	
Project Reference: T.III		MATRIX		WATER		Phenolics		Carrier: FX		Received on ice? Yes No 0.3 °C	
Project Manager: Brad Stewart		G R A B		C O M P		PP Metals + Mo		Remarks		Field pH calibration on @ Buffer:	
Sampled By: Ops/Lab Staff		Date/Time Collected		Date/Time		Relinquished By: [Signature]		Date/Time		Date/Time	
1 INFLEUENT		10/24-25/22		1400, 2000, 0800, 0800		By: [Signature]		10/31/22-1041		Received in Lab By: D. Brown	
1 INFLEUENT		10/24-25/22		1400, 2000, 1200, 1900		Relinquished By:		Date/Time		Date/Time	
2 INFLEUENT		10/24-25/22		1400-1400		By:		Date/Time		Date/Time	
3 EFFLUENT		10/27-28/22		0800, 1400, 2000, 0800		By:		Date/Time		Date/Time	
3 EFFLUENT		10/27-28/22		0800, 1400, 2000, 0800		By:		Date/Time		Date/Time	
4 EFFLUENT		10/27-28/22		0800-0800		By:		Date/Time		Date/Time	
Container Type		Preservative		G = Glass NO = none P = Plastic S = Sulfuric acid pH2		V = VOA vials H = HCl to pH2 B = NaOH to pH12		T = Sodium Thiosulfate Z = Zinc acetate		A = (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> , NH <sub>4</sub> OH	
Time AS:		0800, 1400, 2000, 0700									
Comments:		TRK# 3900 4221 4656									
Email Address:											

