



**Cranmer Engineering, Inc.**  
*Integrated Engineering Services*

# Sample Results

Paradise Irrigation District  
ATTN Jason Bell  
6332 Clark Road  
Paradise, CA 95969

**Work Order:** GBC0362

**Received:** 03/08/19 11:35

**Reported:** 03/18/19 16:22

Camp Fire

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## Term and Qualifier Definitions

| Item | Definition                                    |
|------|-----------------------------------------------|
| ND   | None detected at or above the reporting limit |

*Integrating people, land and water.*

1188 East Main Street, Grass Valley, CA 95945

Phone: (530) 273-7284 | Fax: (530) 273-9507 | [www.cranmerengineeringinc.com](http://www.cranmerengineeringinc.com) | E.L.A.P. Certification No. 1936

Sampling • Analytical Testing • Courier Service • System Operators • Engineering • Surveying • Technical Reporting • Planning • Construction Mgmt.

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**Subcontracted Analyses**

**Sample Site:** 500 Fir St  
**Sample Number** GBC0362-01  
Source Type: Surface

**Date Collected:** 3/7/2019 7:50:00AM  
**Collected by:** JG  
Title 22 Designation:

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**Analyzing Laboratory:** North Coast Laboratories LTD  
**Analysis** Volatile Organic Compounds (VOCs)

Report with Method References attached.

**Sample Site:** 501 Fir St  
**Sample Number** GBC0362-02  
Source Type: Surface

**Date Collected:** 3/7/2019 8:00:00AM  
**Collected by:** JG  
Title 22 Designation:

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**Analyzing Laboratory:** North Coast Laboratories LTD  
**Analysis** Volatile Organic Compounds (VOCs)

Report with Method References attached.

**Sample Site:** 509 Fir St  
**Sample Number** GBC0362-03  
Source Type: Surface

**Date Collected:** 3/7/2019 8:10:00AM  
**Collected by:** JG  
Title 22 Designation:

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**Analyzing Laboratory:** North Coast Laboratories LTD  
**Analysis** Volatile Organic Compounds (VOCs)

Report with Method References attached.

**Sample Site:** 510 Fir St  
**Sample Number** GBC0362-04  
Source Type: Surface

**Date Collected:** 3/7/2019 8:35:00AM  
**Collected by:** JG  
Title 22 Designation:

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**Analyzing Laboratory:** North Coast Laboratories LTD  
**Analysis** Volatile Organic Compounds (VOCs)

Report with Method References attached.

**Sample Site:** 518 Fir St  
**Sample Number** GBC0362-05  
Source Type: Surface

**Date Collected:** 3/7/2019 9:10:00AM  
**Collected by:** JG  
Title 22 Designation:

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**Analyzing Laboratory:** North Coast Laboratories LTD  
**Analysis** Volatile Organic Compounds (VOCs)

Report with Method References attached.

**Sample Site:** 520 Fir St  
**Sample Number** GBC0362-06  
Source Type: Surface

**Date Collected:** 3/7/2019 9:25:00AM  
**Collected by:** JG  
Title 22 Designation:

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**Analyzing Laboratory:** North Coast Laboratories LTD  
**Analysis** Volatile Organic Compounds (VOCs)

Report with Method References attached.

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**Sample Site:** 512 Fir St  
**Sample Number** GBC0362-07  
Source Type: Surface

**Date Collected:** 3/7/2019 9:35:00AM  
**Collected by:** JG  
Title 22 Designation:

**Analyzing Laboratory:** North Coast Laboratories LTD  
**Analysis** Volatile Organic Compounds (VOCs)

Report with Method References attached.

**Sample Site:** Fir St B/O  
**Sample Number** GBC0362-08  
Source Type: Surface

**Date Collected:** 3/7/2019 9:50:00AM  
**Collected by:** JG  
Title 22 Designation:

**Analyzing Laboratory:** North Coast Laboratories LTD  
**Analysis** Volatile Organic Compounds (VOCs)

Report with Method References attached.

**Sample Site:** 602 Boquest  
**Sample Number** GBC0362-09  
Source Type: Surface

**Date Collected:** 3/7/2019 10:10:00AM  
**Collected by:** JG  
Title 22 Designation:

**Analyzing Laboratory:** North Coast Laboratories LTD  
**Analysis** Volatile Organic Compounds (VOCs)

Report with Method References attached.



Justin Smith

Director

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**NORTH COAST  
LABORATORIES LTD.**

March 15, 2019

Cranmer Analytical Laboratory  
1188 E. Main St  
Grass Valley, CA 95945

Attn: Michelle Harlin

Order No.: 1903182  
Invoice No.:  
PO No.:  
ELAP No.1247-Expires July 2020

RE: GBC0362

**SAMPLE IDENTIFICATION**

| Fraction | Client Sample Description |
|----------|---------------------------|
| 01A      | GBC0362-01 500 Fir St     |
| 02A      | GBC0362-02 501 Fir St     |
| 03A      | GBC0362-03 509 Fir St     |
| 04A      | GBC0362-04 510 Fir St     |
| 05A      | GBC0362-05 518 Fir St     |
| 06A      | GBC0362-06 520 Fir St     |
| 07A      | GBC0362-07 512 Fir St     |
| 08A      | GBC0362-08 Fir St B/O     |
| 09A      | GBC0362-09 602 Boquest    |

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

Flag = Explanation in Case Narrative

All solid results are expressed on a wet-weight basis unless otherwise noted.

**Approved for release by:**

Roxanne Golich-Moore,

**Date:** 15-Mar-2019  
**WorkOrder:** 1903182

## CASE NARRATIVE

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### EPA 524.2:

The laboratory control sample (LCS) recovery was below the lower acceptance limit for tert-butyl alcohol. The response of the reporting limit standard was such that the analyte would have been detected even with the low recovery; therefore, the data were accepted.

The laboratory control sample (LCS) recovery was below the lower acceptance limit for naphthalene. Any samples containing naphthalene were reanalyzed and associated with acceptable quality control results.

Date: 15-Mar-2019

WorkOrder: 1903182

## ANALYTICAL REPORT

Client Sample ID: GBC0362-01 500 Fir St

Received: 3/9/2019

Lab ID: 1903182-01A

Collected: 3/7/2019 7:50

Test Name: EPA 524.2

Reference: EPA 524.2

| <u>Parameter</u>               | <u>Result</u> | <u>Flag</u> | <u>Limit</u> | <u>Units</u> | <u>DF</u> | <u>Extracted</u> | <u>Analyzed</u> |
|--------------------------------|---------------|-------------|--------------|--------------|-----------|------------------|-----------------|
| Dichlorodifluoromethane        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Chloromethane                  | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Vinyl Chloride                 | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Bromomethane                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Chloroethane                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Trichlorofluoromethane         | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| 1,1-Dichloroethene             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| 1,1,2-Trichlorotrifluoroethane | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Methylene Chloride             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| trans-1,2-Dichloroethene       | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Methyl tert-butyl ether (MTBE) | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/11/2019       |
| Tert-butyl alcohol (TBA)       | ND            |             | 15           | µg/L         | 1.0       |                  | 3/11/2019       |
| Di-isopropyl ether (DIPE)      | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/11/2019       |
| 1,1-Dichloroethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Ethyl tert-butyl ether (ETBE)  | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/11/2019       |
| cis-1,2-Dichloroethene         | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| 2,2-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Bromochloromethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| <b>Chloroform</b>              | <b>39</b>     |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Carbon tetrachloride           | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| 1,1,1-Trichloroethane          | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| 1,1-Dichloropropene            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Benzene                        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| 1,2-Dichloroethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Tert-amyl methyl ether (TAME)  | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/11/2019       |
| Trichloroethene                | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Dibromomethane                 | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| 1,2-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| <b>Bromodichloromethane</b>    | <b>2.6</b>    |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| cis-1,3-Dichloropropene        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Toluene                        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Tetrachloroethene              | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| trans-1,3-Dichloropropene      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| 1,1,2-Trichloroethane          | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Dibromochloromethane           | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| 1,3-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Chlorobenzene                  | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Ethylbenzene                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| 1,1,1,2-Tetrachloroethane      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| m,p-Xylene                     | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| o-Xylene                       | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Bromoform                      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Styrene                        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Isopropylbenzene               | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Bromobenzene                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| n-Propylbenzene                | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| 1,1,2,2-Tetrachloroethane      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |

Date: 15-Mar-2019

WorkOrder: 1903182

## ANALYTICAL REPORT

Client Sample ID: GBC0362-01 500 Fir St

Received: 3/9/2019

Lab ID: 1903182-01A

Collected: 3/7/2019 7:50

|                                   |     |        |       |     |           |
|-----------------------------------|-----|--------|-------|-----|-----------|
| 2-Chlorotoluene                   | ND  | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| 1,2,3-Trichloropropane            | ND  | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| 1,3,5-Trimethylbenzene            | ND  | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| 4-Chlorotoluene                   | ND  | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| tert-Butylbenzene                 | ND  | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| 1,2,4-Trimethylbenzene            | ND  | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| sec-Butylbenzene                  | ND  | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| p-Isopropyltoluene                | ND  | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| 1,3-Dichlorobenzene               | ND  | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| 1,4-Dichlorobenzene               | ND  | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| n-Butylbenzene                    | ND  | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| 1,2-Dichlorobenzene               | ND  | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| Hexachlorobutadiene               | ND  | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| 1,2,4-Trichlorobenzene            | ND  | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| Naphthalene                       | ND  | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| 1,2,3-Trichlorobenzene            | ND  | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 103 | 70-130 | % Rec | 1.0 | 3/11/2019 |
| Surrogate: Dibromofluoromethane   | 100 | 70-130 | % Rec | 1.0 | 3/11/2019 |

Date: 15-Mar-2019

WorkOrder: 1903182

## ANALYTICAL REPORT

Client Sample ID: GBC0362-02 501 Fir St

Received: 3/9/2019

Lab ID: 1903182-02A

Collected: 3/7/2019 8:00

Test Name: EPA 524.2

Reference: EPA 524.2

| <u>Parameter</u>               | <u>Result</u> | <u>Flag</u> | <u>Limit</u> | <u>Units</u> | <u>DF</u> | <u>Extracted</u> | <u>Analyzed</u> |
|--------------------------------|---------------|-------------|--------------|--------------|-----------|------------------|-----------------|
| Dichlorodifluoromethane        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Chloromethane                  | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Vinyl Chloride                 | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromomethane                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Chloroethane                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Trichlorofluoromethane         | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1-Dichloroethene             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,2-Trichlorotrifluoroethane | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Methylene Chloride             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| trans-1,2-Dichloroethene       | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Methyl tert-butyl ether (MTBE) | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| Tert-butyl alcohol (TBA)       | ND            |             | 15           | µg/L         | 1.0       |                  | 3/12/2019       |
| Di-isopropyl ether (DIPE)      | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1-Dichloroethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Ethyl tert-butyl ether (ETBE)  | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| cis-1,2-Dichloroethene         | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 2,2-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromochloromethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Chloroform</b>              | <b>56</b>     |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Carbon tetrachloride           | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,1-Trichloroethane          | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1-Dichloropropene            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Benzene</b>                 | <b>6.3</b>    |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,2-Dichloroethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Tert-amyl methyl ether (TAME)  | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| Trichloroethene                | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Dibromomethane                 | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,2-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Bromodichloromethane</b>    | <b>2.2</b>    |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| cis-1,3-Dichloropropene        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Toluene</b>                 | <b>2.2</b>    |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Tetrachloroethene              | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| trans-1,3-Dichloropropene      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,2-Trichloroethane          | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Dibromochloromethane           | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,3-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Chlorobenzene                  | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Ethylbenzene                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,1,2-Tetrachloroethane      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| m,p-Xylene                     | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| o-Xylene                       | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromoform                      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Styrene                        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Isopropylbenzene               | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromobenzene                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| n-Propylbenzene                | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,2,2-Tetrachloroethane      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |

Date: 15-Mar-2019

WorkOrder: 1903182

## ANALYTICAL REPORT

Client Sample ID: GBC0362-02 501 Fir St

Received: 3/9/2019

Lab ID: 1903182-02A

Collected: 3/7/2019 8:00

|                                   |            |        |       |     |           |
|-----------------------------------|------------|--------|-------|-----|-----------|
| 2-Chlorotoluene                   | ND         | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,3-Trichloropropane            | ND         | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,3,5-Trimethylbenzene            | ND         | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 4-Chlorotoluene                   | ND         | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| tert-Butylbenzene                 | ND         | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,4-Trimethylbenzene            | ND         | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| sec-Butylbenzene                  | ND         | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| p-Isopropyltoluene                | ND         | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,3-Dichlorobenzene               | ND         | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,4-Dichlorobenzene               | ND         | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| n-Butylbenzene                    | ND         | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2-Dichlorobenzene               | ND         | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| Hexachlorobutadiene               | ND         | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,4-Trichlorobenzene            | ND         | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| <b>Naphthalene</b>                | <b>3.8</b> | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,3-Trichlorobenzene            | ND         | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 99.0       | 70-130 | % Rec | 1.0 | 3/12/2019 |
| Surrogate: Dibromofluoromethane   | 102        | 70-130 | % Rec | 1.0 | 3/12/2019 |

Date: 15-Mar-2019

WorkOrder: 1903182

## ANALYTICAL REPORT

Client Sample ID: GBC0362-03 509 Fir St

Received: 3/9/2019

Lab ID: 1903182-03A

Collected: 3/7/2019 8:10

Test Name: EPA 524.2

Reference: EPA 524.2

| <u>Parameter</u>               | <u>Result</u> | <u>Flag</u> | <u>Limit</u> | <u>Units</u> | <u>DF</u> | <u>Extracted</u> | <u>Analyzed</u> |
|--------------------------------|---------------|-------------|--------------|--------------|-----------|------------------|-----------------|
| Dichlorodifluoromethane        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Chloromethane                  | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Vinyl Chloride                 | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Bromomethane                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Chloroethane                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Trichlorofluoromethane         | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| 1,1-Dichloroethene             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| 1,1,2-Trichlorotrifluoroethane | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Methylene Chloride             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| trans-1,2-Dichloroethene       | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Methyl tert-butyl ether (MTBE) | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/11/2019       |
| Tert-butyl alcohol (TBA)       | ND            |             | 15           | µg/L         | 1.0       |                  | 3/11/2019       |
| Di-isopropyl ether (DIPE)      | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/11/2019       |
| 1,1-Dichloroethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Ethyl tert-butyl ether (ETBE)  | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/11/2019       |
| cis-1,2-Dichloroethene         | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| 2,2-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Bromochloromethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| <b>Chloroform</b>              | <b>33</b>     |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Carbon tetrachloride           | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| 1,1,1-Trichloroethane          | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| 1,1-Dichloropropene            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| <b>Benzene</b>                 | <b>12</b>     |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| 1,2-Dichloroethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Tert-amyl methyl ether (TAME)  | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/11/2019       |
| Trichloroethene                | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Dibromomethane                 | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| 1,2-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Bromodichloromethane           | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| cis-1,3-Dichloropropene        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| <b>Toluene</b>                 | <b>7.4</b>    |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Tetrachloroethene              | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| trans-1,3-Dichloropropene      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| 1,1,2-Trichloroethane          | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Dibromochloromethane           | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| 1,3-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Chlorobenzene                  | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| <b>Ethylbenzene</b>            | <b>1.4</b>    |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| 1,1,1,2-Tetrachloroethane      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| <b>m,p-Xylene</b>              | <b>0.67</b>   |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| o-Xylene                       | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Bromoform                      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Styrene                        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Isopropylbenzene               | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| Bromobenzene                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| n-Propylbenzene                | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |
| 1,1,2,2-Tetrachloroethane      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/11/2019       |

Date: 15-Mar-2019

WorkOrder: 1903182

## ANALYTICAL REPORT

Client Sample ID: GBC0362-03 509 Fir St

Received: 3/9/2019

Lab ID: 1903182-03A

Collected: 3/7/2019 8:10

|                                   |           |        |       |     |           |
|-----------------------------------|-----------|--------|-------|-----|-----------|
| 2-Chlorotoluene                   | ND        | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| 1,2,3-Trichloropropane            | ND        | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| 1,3,5-Trimethylbenzene            | ND        | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| 4-Chlorotoluene                   | ND        | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| tert-Butylbenzene                 | ND        | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| 1,2,4-Trimethylbenzene            | ND        | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| sec-Butylbenzene                  | ND        | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| p-Isopropyltoluene                | ND        | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| 1,3-Dichlorobenzene               | ND        | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| 1,4-Dichlorobenzene               | ND        | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| n-Butylbenzene                    | ND        | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| 1,2-Dichlorobenzene               | ND        | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| Hexachlorobutadiene               | ND        | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| 1,2,4-Trichlorobenzene            | ND        | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| <b>Naphthalene</b>                | <b>84</b> | 5.0    | µg/L  | 10  | 3/14/2019 |
| 1,2,3-Trichlorobenzene            | ND        | 0.50   | µg/L  | 1.0 | 3/11/2019 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 101       | 70-130 | % Rec | 1.0 | 3/11/2019 |
| Surrogate: Dibromofluoromethane   | 99.0      | 70-130 | % Rec | 1.0 | 3/11/2019 |

Date: 15-Mar-2019

WorkOrder: 1903182

## ANALYTICAL REPORT

Client Sample ID: GBC0362-04 510 Fir St

Received: 3/9/2019

Lab ID: 1903182-04A

Collected: 3/7/2019 8:35

Test Name: EPA 524.2

Reference: EPA 524.2

| <u>Parameter</u>               | <u>Result</u> | <u>Flag</u> | <u>Limit</u> | <u>Units</u> | <u>DF</u> | <u>Extracted</u> | <u>Analyzed</u> |
|--------------------------------|---------------|-------------|--------------|--------------|-----------|------------------|-----------------|
| Dichlorodifluoromethane        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Chloromethane                  | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Vinyl Chloride                 | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromomethane                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Chloroethane                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Trichlorofluoromethane         | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1-Dichloroethene             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,2-Trichlorotrifluoroethane | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Methylene Chloride             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| trans-1,2-Dichloroethene       | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Methyl tert-butyl ether (MTBE) | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| Tert-butyl alcohol (TBA)       | ND            |             | 15           | µg/L         | 1.0       |                  | 3/12/2019       |
| Di-isopropyl ether (DIPE)      | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1-Dichloroethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Ethyl tert-butyl ether (ETBE)  | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| cis-1,2-Dichloroethene         | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 2,2-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromochloromethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Chloroform</b>              | <b>48</b>     |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Carbon tetrachloride           | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,1-Trichloroethane          | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1-Dichloropropene            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Benzene</b>                 | <b>39</b>     |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,2-Dichloroethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Tert-amyl methyl ether (TAME)  | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| Trichloroethene                | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Dibromomethane                 | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,2-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Bromodichloromethane</b>    | <b>2.1</b>    |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| cis-1,3-Dichloropropene        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Toluene</b>                 | <b>19</b>     |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Tetrachloroethene              | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| trans-1,3-Dichloropropene      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,2-Trichloroethane          | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Dibromochloromethane           | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,3-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Chlorobenzene                  | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Ethylbenzene</b>            | <b>3.6</b>    |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,1,2-Tetrachloroethane      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>m,p-Xylene</b>              | <b>1.1</b>    |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| o-Xylene                       | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromoform                      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Styrene</b>                 | <b>1.2</b>    |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Isopropylbenzene               | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromobenzene                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| n-Propylbenzene                | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,2,2-Tetrachloroethane      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |

Date: 15-Mar-2019

WorkOrder: 1903182

## ANALYTICAL REPORT

Client Sample ID: GBC0362-04 510 Fir St

Received: 3/9/2019

Lab ID: 1903182-04A

Collected: 3/7/2019 8:35

|                                   |             |        |       |     |           |
|-----------------------------------|-------------|--------|-------|-----|-----------|
| 2-Chlorotoluene                   | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,3-Trichloropropane            | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,3,5-Trimethylbenzene            | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 4-Chlorotoluene                   | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| tert-Butylbenzene                 | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,4-Trimethylbenzene            | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| sec-Butylbenzene                  | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| p-Isopropyltoluene                | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,3-Dichlorobenzene               | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,4-Dichlorobenzene               | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| n-Butylbenzene                    | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2-Dichlorobenzene               | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| Hexachlorobutadiene               | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,4-Trichlorobenzene            | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| <b>Naphthalene</b>                | <b>0.75</b> | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,3-Trichlorobenzene            | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 102         | 70-130 | % Rec | 1.0 | 3/12/2019 |
| Surrogate: Dibromofluoromethane   | 101         | 70-130 | % Rec | 1.0 | 3/12/2019 |

Date: 15-Mar-2019

WorkOrder: 1903182

## ANALYTICAL REPORT

Client Sample ID: GBC0362-05 518 Fir St

Received: 3/9/2019

Lab ID: 1903182-05A

Collected: 3/7/2019 9:10

Test Name: EPA 524.2

Reference: EPA 524.2

| <u>Parameter</u>               | <u>Result</u> | <u>Flag</u> | <u>Limit</u> | <u>Units</u> | <u>DF</u> | <u>Extracted</u> | <u>Analyzed</u> |
|--------------------------------|---------------|-------------|--------------|--------------|-----------|------------------|-----------------|
| Dichlorodifluoromethane        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Chloromethane                  | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Vinyl Chloride                 | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromomethane                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Chloroethane                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Trichlorofluoromethane         | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1-Dichloroethene             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,2-Trichlorotrifluoroethane | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Methylene Chloride             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| trans-1,2-Dichloroethene       | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Methyl tert-butyl ether (MTBE) | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| Tert-butyl alcohol (TBA)       | ND            |             | 15           | µg/L         | 1.0       |                  | 3/12/2019       |
| Di-isopropyl ether (DIPE)      | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1-Dichloroethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Ethyl tert-butyl ether (ETBE)  | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| cis-1,2-Dichloroethene         | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 2,2-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromochloromethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Chloroform</b>              | <b>34</b>     |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Carbon tetrachloride           | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,1-Trichloroethane          | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1-Dichloropropene            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Benzene</b>                 | <b>0.72</b>   |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,2-Dichloroethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Tert-amyl methyl ether (TAME)  | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| Trichloroethene                | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Dibromomethane                 | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,2-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Bromodichloromethane</b>    | <b>2.0</b>    |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| cis-1,3-Dichloropropene        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Toluene                        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Tetrachloroethene              | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| trans-1,3-Dichloropropene      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,2-Trichloroethane          | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Dibromochloromethane           | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,3-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Chlorobenzene                  | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Ethylbenzene                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,1,2-Tetrachloroethane      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| m,p-Xylene                     | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| o-Xylene                       | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromoform                      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Styrene                        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Isopropylbenzene               | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromobenzene                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| n-Propylbenzene                | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,2,2-Tetrachloroethane      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |

Date: 15-Mar-2019

WorkOrder: 1903182

## ANALYTICAL REPORT

Client Sample ID: GBC0362-05 518 Fir St

Received: 3/9/2019

Lab ID: 1903182-05A

Collected: 3/7/2019 9:10

|                                   |             |        |       |     |           |
|-----------------------------------|-------------|--------|-------|-----|-----------|
| 2-Chlorotoluene                   | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,3-Trichloropropane            | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,3,5-Trimethylbenzene            | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 4-Chlorotoluene                   | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| tert-Butylbenzene                 | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,4-Trimethylbenzene            | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| sec-Butylbenzene                  | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| p-Isopropyltoluene                | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,3-Dichlorobenzene               | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,4-Dichlorobenzene               | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| n-Butylbenzene                    | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2-Dichlorobenzene               | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| Hexachlorobutadiene               | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,4-Trichlorobenzene            | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| <b>Naphthalene</b>                | <b>0.54</b> | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,3-Trichlorobenzene            | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 103         | 70-130 | % Rec | 1.0 | 3/12/2019 |
| Surrogate: Dibromofluoromethane   | 100         | 70-130 | % Rec | 1.0 | 3/12/2019 |

Date: 15-Mar-2019

WorkOrder: 1903182

## ANALYTICAL REPORT

Client Sample ID: GBC0362-06 520 Fir St

Received: 3/9/2019

Lab ID: 1903182-06A

Collected: 3/7/2019 9:25

Test Name: EPA 524.2

Reference: EPA 524.2

| <u>Parameter</u>               | <u>Result</u> | <u>Flag</u> | <u>Limit</u> | <u>Units</u> | <u>DF</u> | <u>Extracted</u> | <u>Analyzed</u> |
|--------------------------------|---------------|-------------|--------------|--------------|-----------|------------------|-----------------|
| Dichlorodifluoromethane        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Chloromethane                  | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Vinyl Chloride                 | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromomethane                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Chloroethane                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Trichlorofluoromethane         | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1-Dichloroethene             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,2-Trichlorotrifluoroethane | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Methylene Chloride             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| trans-1,2-Dichloroethene       | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Methyl tert-butyl ether (MTBE) | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| Tert-butyl alcohol (TBA)       | ND            |             | 15           | µg/L         | 1.0       |                  | 3/12/2019       |
| Di-isopropyl ether (DIPE)      | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1-Dichloroethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Ethyl tert-butyl ether (ETBE)  | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| cis-1,2-Dichloroethene         | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 2,2-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromochloromethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Chloroform</b>              | <b>38</b>     |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Carbon tetrachloride           | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,1-Trichloroethane          | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1-Dichloropropene            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Benzene</b>                 | <b>2.5</b>    |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,2-Dichloroethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Tert-amyl methyl ether (TAME)  | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| Trichloroethene                | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Dibromomethane                 | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,2-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Bromodichloromethane</b>    | <b>2.0</b>    |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| cis-1,3-Dichloropropene        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Toluene</b>                 | <b>1.2</b>    |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Tetrachloroethene              | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| trans-1,3-Dichloropropene      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,2-Trichloroethane          | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Dibromochloromethane           | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,3-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Chlorobenzene                  | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Ethylbenzene                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,1,2-Tetrachloroethane      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| m,p-Xylene                     | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| o-Xylene                       | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromoform                      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Styrene                        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Isopropylbenzene               | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromobenzene                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| n-Propylbenzene                | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,2,2-Tetrachloroethane      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |

Date: 15-Mar-2019

WorkOrder: 1903182

## ANALYTICAL REPORT

Client Sample ID: GBC0362-06 520 Fir St

Received: 3/9/2019

Lab ID: 1903182-06A

Collected: 3/7/2019 9:25

|                                   |             |        |       |     |           |
|-----------------------------------|-------------|--------|-------|-----|-----------|
| 2-Chlorotoluene                   | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,3-Trichloropropane            | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,3,5-Trimethylbenzene            | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 4-Chlorotoluene                   | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| tert-Butylbenzene                 | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,4-Trimethylbenzene            | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| sec-Butylbenzene                  | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| p-Isopropyltoluene                | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,3-Dichlorobenzene               | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,4-Dichlorobenzene               | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| n-Butylbenzene                    | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2-Dichlorobenzene               | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| Hexachlorobutadiene               | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,4-Trichlorobenzene            | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| <b>Naphthalene</b>                | <b>0.69</b> | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,3-Trichlorobenzene            | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 100         | 70-130 | % Rec | 1.0 | 3/12/2019 |
| Surrogate: Dibromofluoromethane   | 101         | 70-130 | % Rec | 1.0 | 3/12/2019 |

Date: 15-Mar-2019

WorkOrder: 1903182

## ANALYTICAL REPORT

Client Sample ID: GBC0362-07 512 Fir St

Received: 3/9/2019

Lab ID: 1903182-07A

Collected: 3/7/2019 9:35

Test Name: EPA 524.2

Reference: EPA 524.2

| <u>Parameter</u>               | <u>Result</u> | <u>Flag</u> | <u>Limit</u> | <u>Units</u> | <u>DF</u> | <u>Extracted</u> | <u>Analyzed</u> |
|--------------------------------|---------------|-------------|--------------|--------------|-----------|------------------|-----------------|
| Dichlorodifluoromethane        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Chloromethane                  | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Vinyl Chloride                 | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromomethane                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Chloroethane                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Trichlorofluoromethane         | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1-Dichloroethene             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,2-Trichlorotrifluoroethane | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Methylene Chloride             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| trans-1,2-Dichloroethene       | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Methyl tert-butyl ether (MTBE) | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| Tert-butyl alcohol (TBA)       | ND            |             | 15           | µg/L         | 1.0       |                  | 3/12/2019       |
| Di-isopropyl ether (DIPE)      | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1-Dichloroethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Ethyl tert-butyl ether (ETBE)  | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| cis-1,2-Dichloroethene         | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 2,2-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromochloromethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Chloroform</b>              | <b>38</b>     |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Carbon tetrachloride           | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,1-Trichloroethane          | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1-Dichloropropene            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Benzene</b>                 | <b>2.4</b>    |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,2-Dichloroethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Tert-amyl methyl ether (TAME)  | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| Trichloroethene                | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Dibromomethane                 | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,2-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Bromodichloromethane</b>    | <b>2.0</b>    |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| cis-1,3-Dichloropropene        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Toluene</b>                 | <b>1.2</b>    |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Tetrachloroethene              | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| trans-1,3-Dichloropropene      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,2-Trichloroethane          | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Dibromochloromethane           | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,3-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Chlorobenzene                  | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Ethylbenzene                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,1,2-Tetrachloroethane      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| m,p-Xylene                     | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| o-Xylene                       | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromoform                      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Styrene                        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Isopropylbenzene               | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromobenzene                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| n-Propylbenzene                | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,2,2-Tetrachloroethane      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |

Date: 15-Mar-2019

WorkOrder: 1903182

## ANALYTICAL REPORT

Client Sample ID: GBC0362-07 512 Fir St

Received: 3/9/2019

Lab ID: 1903182-07A

Collected: 3/7/2019 9:35

|                                   |             |        |       |     |           |
|-----------------------------------|-------------|--------|-------|-----|-----------|
| 2-Chlorotoluene                   | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,3-Trichloropropane            | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,3,5-Trimethylbenzene            | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 4-Chlorotoluene                   | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| tert-Butylbenzene                 | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,4-Trimethylbenzene            | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| sec-Butylbenzene                  | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| p-Isopropyltoluene                | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,3-Dichlorobenzene               | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,4-Dichlorobenzene               | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| n-Butylbenzene                    | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2-Dichlorobenzene               | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| Hexachlorobutadiene               | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,4-Trichlorobenzene            | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| <b>Naphthalene</b>                | <b>0.72</b> | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,3-Trichlorobenzene            | ND          | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 102         | 70-130 | % Rec | 1.0 | 3/12/2019 |
| Surrogate: Dibromofluoromethane   | 102         | 70-130 | % Rec | 1.0 | 3/12/2019 |

Date: 15-Mar-2019

WorkOrder: 1903182

## ANALYTICAL REPORT

Client Sample ID: GBC0362-08 Fir St B/O

Received: 3/9/2019

Lab ID: 1903182-08A

Collected: 3/7/2019 9:50

Test Name: EPA 524.2

Reference: EPA 524.2

| <u>Parameter</u>               | <u>Result</u> | <u>Flag</u> | <u>Limit</u> | <u>Units</u> | <u>DF</u> | <u>Extracted</u> | <u>Analyzed</u> |
|--------------------------------|---------------|-------------|--------------|--------------|-----------|------------------|-----------------|
| Dichlorodifluoromethane        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Chloromethane                  | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Vinyl Chloride                 | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromomethane                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Chloroethane                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Trichlorofluoromethane         | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1-Dichloroethene             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,2-Trichlorotrifluoroethane | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Methylene Chloride             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| trans-1,2-Dichloroethene       | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Methyl tert-butyl ether (MTBE) | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| Tert-butyl alcohol (TBA)       | ND            |             | 15           | µg/L         | 1.0       |                  | 3/12/2019       |
| Di-isopropyl ether (DIPE)      | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1-Dichloroethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Ethyl tert-butyl ether (ETBE)  | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| cis-1,2-Dichloroethene         | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 2,2-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromochloromethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Chloroform</b>              | <b>36</b>     |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Carbon tetrachloride           | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,1-Trichloroethane          | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1-Dichloropropene            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Benzene                        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,2-Dichloroethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Tert-amyl methyl ether (TAME)  | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| Trichloroethene                | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Dibromomethane                 | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,2-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Bromodichloromethane</b>    | <b>2.4</b>    |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| cis-1,3-Dichloropropene        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Toluene                        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Tetrachloroethene              | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| trans-1,3-Dichloropropene      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,2-Trichloroethane          | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Dibromochloromethane           | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,3-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Chlorobenzene                  | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Ethylbenzene                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,1,2-Tetrachloroethane      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| m,p-Xylene                     | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| o-Xylene                       | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromoform                      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Styrene                        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Isopropylbenzene               | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromobenzene                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| n-Propylbenzene                | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,2,2-Tetrachloroethane      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |

Date: 15-Mar-2019

WorkOrder: 1903182

## ANALYTICAL REPORT

Client Sample ID: GBC0362-08 Fir St B/O

Received: 3/9/2019

Lab ID: 1903182-08A

Collected: 3/7/2019 9:50

|                                   |     |        |       |     |           |
|-----------------------------------|-----|--------|-------|-----|-----------|
| 2-Chlorotoluene                   | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,3-Trichloropropane            | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,3,5-Trimethylbenzene            | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 4-Chlorotoluene                   | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| tert-Butylbenzene                 | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,4-Trimethylbenzene            | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| sec-Butylbenzene                  | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| p-Isopropyltoluene                | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,3-Dichlorobenzene               | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,4-Dichlorobenzene               | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| n-Butylbenzene                    | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2-Dichlorobenzene               | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| Hexachlorobutadiene               | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,4-Trichlorobenzene            | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| Naphthalene                       | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,3-Trichlorobenzene            | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 103 | 70-130 | % Rec | 1.0 | 3/12/2019 |
| Surrogate: Dibromofluoromethane   | 101 | 70-130 | % Rec | 1.0 | 3/12/2019 |

Date: 15-Mar-2019

WorkOrder: 1903182

## ANALYTICAL REPORT

Client Sample ID: GBC0362-09 602 Boquest

Received: 3/9/2019

Lab ID: 1903182-09A

Collected: 3/7/2019 10:10

Test Name: EPA 524.2

Reference: EPA 524.2

| <u>Parameter</u>               | <u>Result</u> | <u>Flag</u> | <u>Limit</u> | <u>Units</u> | <u>DF</u> | <u>Extracted</u> | <u>Analyzed</u> |
|--------------------------------|---------------|-------------|--------------|--------------|-----------|------------------|-----------------|
| Dichlorodifluoromethane        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Chloromethane                  | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Vinyl Chloride                 | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromomethane                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Chloroethane                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Trichlorofluoromethane         | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1-Dichloroethene             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,2-Trichlorotrifluoroethane | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Methylene Chloride             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| trans-1,2-Dichloroethene       | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Methyl tert-butyl ether (MTBE) | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| Tert-butyl alcohol (TBA)       | ND            |             | 15           | µg/L         | 1.0       |                  | 3/12/2019       |
| Di-isopropyl ether (DIPE)      | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1-Dichloroethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Ethyl tert-butyl ether (ETBE)  | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| cis-1,2-Dichloroethene         | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 2,2-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromochloromethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Chloroform</b>              | <b>40</b>     |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Carbon tetrachloride           | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,1-Trichloroethane          | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1-Dichloropropene            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Benzene                        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,2-Dichloroethane             | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Tert-amyl methyl ether (TAME)  | ND            |             | 3.0          | µg/L         | 1.0       |                  | 3/12/2019       |
| Trichloroethene                | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Dibromomethane                 | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,2-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Bromodichloromethane</b>    | <b>2.9</b>    |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| cis-1,3-Dichloropropene        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Toluene                        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Tetrachloroethene              | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| trans-1,3-Dichloropropene      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,2-Trichloroethane          | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Dibromochloromethane           | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,3-Dichloropropane            | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Chlorobenzene                  | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Ethylbenzene                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,1,2-Tetrachloroethane      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| m,p-Xylene                     | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| o-Xylene                       | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromoform                      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Styrene                        | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| <b>Isopropylbenzene</b>        | <b>0.54</b>   |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| Bromobenzene                   | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| n-Propylbenzene                | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |
| 1,1,2,2-Tetrachloroethane      | ND            |             | 0.50         | µg/L         | 1.0       |                  | 3/12/2019       |

Date: 15-Mar-2019

WorkOrder: 1903182

## ANALYTICAL REPORT

Client Sample ID: GBC0362-09 602 Boquest

Received: 3/9/2019

Lab ID: 1903182-09A

Collected: 3/7/2019 10:10

|                                   |     |        |       |     |           |
|-----------------------------------|-----|--------|-------|-----|-----------|
| 2-Chlorotoluene                   | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,3-Trichloropropane            | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,3,5-Trimethylbenzene            | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 4-Chlorotoluene                   | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| tert-Butylbenzene                 | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,4-Trimethylbenzene            | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| sec-Butylbenzene                  | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| p-Isopropyltoluene                | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,3-Dichlorobenzene               | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,4-Dichlorobenzene               | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| n-Butylbenzene                    | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2-Dichlorobenzene               | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| Hexachlorobutadiene               | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,4-Trichlorobenzene            | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| Naphthalene                       | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| 1,2,3-Trichlorobenzene            | ND  | 0.50   | µg/L  | 1.0 | 3/12/2019 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 103 | 70-130 | % Rec | 1.0 | 3/12/2019 |
| Surrogate: Dibromofluoromethane   | 101 | 70-130 | % Rec | 1.0 | 3/12/2019 |

## North Coast Laboratories, Ltd.

Date: 3/15/2019

**CLIENT:** Cranmer Analytical Laboratory  
**Work Order:** 1903182  
**Project:** GBC0362

**QC SUMMARY REPORT**

Method Blank

| Sample ID                      | <b>MB 031119</b> | Batch ID: | <b>R98676</b>          | Test Code:  | <b>524W</b>    | Units:   | <b>µg/L</b> | Analysis Date | <b>3/11/2019 9:49:00 AM</b> | Prep Date |      |
|--------------------------------|------------------|-----------|------------------------|-------------|----------------|----------|-------------|---------------|-----------------------------|-----------|------|
| Client ID:                     |                  | Run ID:   | <b>ORGCMS3_190311A</b> | SeqNo:      | <b>1403337</b> |          |             |               |                             |           |      |
| Analyte                        | Result           | Limit     | SPK value              | SPK Ref Val | % Rec          | LowLimit | HighLimit   | RPD Ref Val   | %RPD                        | RPDLimit  | Qual |
| Dichlorodifluoromethane        | ND               | 0.50      |                        |             |                |          |             |               |                             |           |      |
| Chloromethane                  | ND               | 0.50      |                        |             |                |          |             |               |                             |           |      |
| Vinyl Chloride                 | ND               | 0.50      |                        |             |                |          |             |               |                             |           |      |
| Bromomethane                   | ND               | 0.50      |                        |             |                |          |             |               |                             |           |      |
| Chloroethane                   | ND               | 0.50      |                        |             |                |          |             |               |                             |           |      |
| Trichlorofluoromethane         | ND               | 0.50      |                        |             |                |          |             |               |                             |           |      |
| 1,1-Dichloroethene             | ND               | 0.50      |                        |             |                |          |             |               |                             |           |      |
| 1,1,2-Trichlorotrifluoroethane | ND               | 0.50      |                        |             |                |          |             |               |                             |           |      |
| Methylene Chloride             | ND               | 0.50      |                        |             |                |          |             |               |                             |           |      |
| trans-1,2-Dichloroethene       | ND               | 0.50      |                        |             |                |          |             |               |                             |           |      |
| Methyl tert-butyl ether (MTBE) | ND               | 3.0       |                        |             |                |          |             |               |                             |           |      |
| Tert-butyl alcohol (TBA)       | ND               | 15        |                        |             |                |          |             |               |                             |           |      |
| Di-isopropyl ether (DIPE)      | ND               | 3.0       |                        |             |                |          |             |               |                             |           |      |
| 1,1-Dichloroethane             | ND               | 0.50      |                        |             |                |          |             |               |                             |           |      |
| Ethyl tert-butyl ether (ETBE)  | ND               | 3.0       |                        |             |                |          |             |               |                             |           |      |
| cis-1,2-Dichloroethene         | ND               | 0.50      |                        |             |                |          |             |               |                             |           |      |
| 2,2-Dichloropropane            | ND               | 0.50      |                        |             |                |          |             |               |                             |           |      |
| Bromochloromethane             | ND               | 0.50      |                        |             |                |          |             |               |                             |           |      |
| Chloroform                     | ND               | 0.50      |                        |             |                |          |             |               |                             |           |      |
| Carbon tetrachloride           | ND               | 0.50      |                        |             |                |          |             |               |                             |           |      |
| 1,1,1-Trichloroethane          | ND               | 0.50      |                        |             |                |          |             |               |                             |           |      |
| 1,1-Dichloropropene            | ND               | 0.50      |                        |             |                |          |             |               |                             |           |      |
| Benzene                        | ND               | 0.50      |                        |             |                |          |             |               |                             |           |      |
| 1,2-Dichloroethane             | ND               | 0.50      |                        |             |                |          |             |               |                             |           |      |
| Tert-amyl methyl ether (TAME)  | ND               | 3.0       |                        |             |                |          |             |               |                             |           |      |
| Trichloroethene                | ND               | 0.50      |                        |             |                |          |             |               |                             |           |      |
| Dibromomethane                 | ND               | 0.50      |                        |             |                |          |             |               |                             |           |      |
| 1,2-Dichloropropane            | ND               | 0.50      |                        |             |                |          |             |               |                             |           |      |

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Page 1 of 6

**CLIENT:** Cranmer Analytical Laboratory  
**Work Order:** 1903182  
**Project:** GBC0362

## QC SUMMARY REPORT

Method Blank

|                           |    |      |
|---------------------------|----|------|
| Bromodichloromethane      | ND | 0.50 |
| cis-1,3-Dichloropropene   | ND | 0.50 |
| Toluene                   | ND | 0.50 |
| Tetrachloroethene         | ND | 0.50 |
| trans-1,3-Dichloropropene | ND | 0.50 |
| 1,1,2-Trichloroethane     | ND | 0.50 |
| Dibromochloromethane      | ND | 0.50 |
| 1,3-Dichloropropane       | ND | 0.50 |
| Chlorobenzene             | ND | 0.50 |
| Ethylbenzene              | ND | 0.50 |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 |
| m,p-Xylene                | ND | 0.50 |
| o-Xylene                  | ND | 0.50 |
| Bromoform                 | ND | 0.50 |
| Styrene                   | ND | 0.50 |
| Isopropylbenzene          | ND | 0.50 |
| Bromobenzene              | ND | 0.50 |
| n-Propylbenzene           | ND | 0.50 |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 |
| 2-Chlorotoluene           | ND | 0.50 |
| 1,2,3-Trichloropropane    | ND | 0.50 |
| 1,3,5-Trimethylbenzene    | ND | 0.50 |
| 4-Chlorotoluene           | ND | 0.50 |
| tert-Butylbenzene         | ND | 0.50 |
| 1,2,4-Trimethylbenzene    | ND | 0.50 |
| sec-Butylbenzene          | ND | 0.50 |
| p-Isopropyltoluene        | ND | 0.50 |
| 1,3-Dichlorobenzene       | ND | 0.50 |
| 1,4-Dichlorobenzene       | ND | 0.50 |
| n-Butylbenzene            | ND | 0.50 |
| 1,2-Dichlorobenzene       | ND | 0.50 |
| Hexachlorobutadiene       | ND | 0.50 |
| 1,2,4-Trichlorobenzene    | ND | 0.50 |
| Naphthalene               | ND | 0.50 |

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

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**CLIENT:** Cranmer Analytical Laboratory**Work Order:** 1903182**Project:** GBC0362**QC SUMMARY REPORT**

Method Blank

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|                                   |       |      |      |   |       |    |     |   |
|-----------------------------------|-------|------|------|---|-------|----|-----|---|
| 1,2,3-Trichlorobenzene            | ND    | 0.50 |      |   |       |    |     |   |
| Surrogate: Dibromofluoromethane   | 0.980 | 0.10 | 1.00 | 0 | 98.0% | 70 | 130 | 0 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 0.990 | 0.10 | 1.00 | 0 | 99.0% | 70 | 130 | 0 |

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**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Page 3 of 6

**CLIENT:** Cranmer Analytical Laboratory  
**Work Order:** 1903182  
**Project:** GBC0362

## QC SUMMARY REPORT

Method Blank

| Sample ID                      | <b>MB 031219</b> | Batch ID: | <b>R98698</b>          | Test Code:  | <b>524W</b>    | Units:   | <b>µg/L</b> | Analysis Date | <b>3/12/2019 12:25:00 PM</b> | Prep Date |      |
|--------------------------------|------------------|-----------|------------------------|-------------|----------------|----------|-------------|---------------|------------------------------|-----------|------|
| Client ID:                     |                  | Run ID:   | <b>ORGCMS3_190312B</b> | SeqNo:      | <b>1403718</b> |          |             |               |                              |           |      |
| Analyte                        | Result           | Limit     | SPK value              | SPK Ref Val | % Rec          | LowLimit | HighLimit   | RPD Ref Val   | %RPD                         | RPDLimit  | Qual |
| Dichlorodifluoromethane        | ND               | 0.50      |                        |             |                |          |             |               |                              |           |      |
| Chloromethane                  | ND               | 0.50      |                        |             |                |          |             |               |                              |           |      |
| Vinyl Chloride                 | ND               | 0.50      |                        |             |                |          |             |               |                              |           |      |
| Bromomethane                   | ND               | 0.50      |                        |             |                |          |             |               |                              |           |      |
| Chloroethane                   | ND               | 0.50      |                        |             |                |          |             |               |                              |           |      |
| Trichlorofluoromethane         | ND               | 0.50      |                        |             |                |          |             |               |                              |           |      |
| 1,1-Dichloroethene             | ND               | 0.50      |                        |             |                |          |             |               |                              |           |      |
| 1,1,2-Trichlorotrifluoroethane | ND               | 0.50      |                        |             |                |          |             |               |                              |           |      |
| Methylene Chloride             | ND               | 0.50      |                        |             |                |          |             |               |                              |           |      |
| trans-1,2-Dichloroethene       | ND               | 0.50      |                        |             |                |          |             |               |                              |           |      |
| Methyl tert-butyl ether (MTBE) | ND               | 3.0       |                        |             |                |          |             |               |                              |           |      |
| Tert-butyl alcohol (TBA)       | ND               | 15        |                        |             |                |          |             |               |                              |           |      |
| Di-isopropyl ether (DIPE)      | ND               | 3.0       |                        |             |                |          |             |               |                              |           |      |
| 1,1-Dichloroethane             | ND               | 0.50      |                        |             |                |          |             |               |                              |           |      |
| Ethyl tert-butyl ether (ETBE)  | ND               | 3.0       |                        |             |                |          |             |               |                              |           |      |
| cis-1,2-Dichloroethene         | ND               | 0.50      |                        |             |                |          |             |               |                              |           |      |
| 2,2-Dichloropropane            | ND               | 0.50      |                        |             |                |          |             |               |                              |           |      |
| Bromochloromethane             | ND               | 0.50      |                        |             |                |          |             |               |                              |           |      |
| Chloroform                     | ND               | 0.50      |                        |             |                |          |             |               |                              |           |      |
| Carbon tetrachloride           | ND               | 0.50      |                        |             |                |          |             |               |                              |           |      |
| 1,1,1-Trichloroethane          | ND               | 0.50      |                        |             |                |          |             |               |                              |           |      |
| 1,1-Dichloropropene            | ND               | 0.50      |                        |             |                |          |             |               |                              |           |      |
| Benzene                        | ND               | 0.50      |                        |             |                |          |             |               |                              |           |      |
| 1,2-Dichloroethane             | ND               | 0.50      |                        |             |                |          |             |               |                              |           |      |
| Tert-amyl methyl ether (TAME)  | ND               | 3.0       |                        |             |                |          |             |               |                              |           |      |
| Trichloroethene                | ND               | 0.50      |                        |             |                |          |             |               |                              |           |      |
| Dibromomethane                 | ND               | 0.50      |                        |             |                |          |             |               |                              |           |      |
| 1,2-Dichloropropane            | ND               | 0.50      |                        |             |                |          |             |               |                              |           |      |
| Bromodichloromethane           | ND               | 0.50      |                        |             |                |          |             |               |                              |           |      |

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Cranmer Analytical Laboratory  
**Work Order:** 1903182  
**Project:** GBC0362

## QC SUMMARY REPORT

Method Blank

|                           |    |      |
|---------------------------|----|------|
| cis-1,3-Dichloropropene   | ND | 0.50 |
| Toluene                   | ND | 0.50 |
| Tetrachloroethene         | ND | 0.50 |
| trans-1,3-Dichloropropene | ND | 0.50 |
| 1,1,2-Trichloroethane     | ND | 0.50 |
| Dibromochloromethane      | ND | 0.50 |
| 1,3-Dichloropropane       | ND | 0.50 |
| Chlorobenzene             | ND | 0.50 |
| Ethylbenzene              | ND | 0.50 |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 |
| m,p-Xylene                | ND | 0.50 |
| o-Xylene                  | ND | 0.50 |
| Bromoform                 | ND | 0.50 |
| Styrene                   | ND | 0.50 |
| Isopropylbenzene          | ND | 0.50 |
| Bromobenzene              | ND | 0.50 |
| n-Propylbenzene           | ND | 0.50 |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 |
| 2-Chlorotoluene           | ND | 0.50 |
| 1,2,3-Trichloropropane    | ND | 0.50 |
| 1,3,5-Trimethylbenzene    | ND | 0.50 |
| 4-Chlorotoluene           | ND | 0.50 |
| tert-Butylbenzene         | ND | 0.50 |
| 1,2,4-Trimethylbenzene    | ND | 0.50 |
| sec-Butylbenzene          | ND | 0.50 |
| p-Isopropyltoluene        | ND | 0.50 |
| 1,3-Dichlorobenzene       | ND | 0.50 |
| 1,4-Dichlorobenzene       | ND | 0.50 |
| n-Butylbenzene            | ND | 0.50 |
| 1,2-Dichlorobenzene       | ND | 0.50 |
| Hexachlorobutadiene       | ND | 0.50 |
| 1,2,4-Trichlorobenzene    | ND | 0.50 |
| Naphthalene               | ND | 0.50 |
| 1,2,3-Trichlorobenzene    | ND | 0.50 |

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

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**CLIENT:** Cranmer Analytical Laboratory  
**Work Order:** 1903182  
**Project:** GBC0362

## QC SUMMARY REPORT

Method Blank

| Surrogate: Dibromofluoromethane   | 1.00                           | 0.10                   | 1.00               | 0                                          | 100%                  | 70       | 130       | 0           |      |          |      |
|-----------------------------------|--------------------------------|------------------------|--------------------|--------------------------------------------|-----------------------|----------|-----------|-------------|------|----------|------|
| Surrogate: 1,2-Dichlorobenzene-d4 | 1.01                           | 0.10                   | 1.00               | 0                                          | 101%                  | 70       | 130       | 0           |      |          |      |
| <hr/>                             |                                |                        |                    |                                            |                       |          |           |             |      |          |      |
| Sample ID <b>MB 031419</b>        | Batch ID: <b>R98720</b>        | Test Code: <b>524W</b> | Units: <b>µg/L</b> | Analysis Date <b>3/14/2019 10:44:00 AM</b> |                       |          |           | Prep Date   |      |          |      |
| Client ID:                        | Run ID: <b>ORGCMS3_190314A</b> |                        |                    |                                            | SeqNo: <b>1404048</b> |          |           |             |      |          |      |
| Analyte                           | Result                         | Limit                  | SPK value          | SPK Ref Val                                | % Rec                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Naphthalene                       | ND                             | 0.50                   |                    |                                            |                       |          |           |             |      |          |      |
| Surrogate: Dibromofluoromethane   | 1.01                           | 0.10                   | 1.00               | 0                                          | 101%                  | 70       | 130       | 0           |      |          |      |
| Surrogate: 1,2-Dichlorobenzene-d4 | 1.02                           | 0.10                   | 1.00               | 0                                          | 102%                  | 70       | 130       | 0           |      |          |      |

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

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North Coast Laboratories, Ltd.

Date: 3/15/2019

**CLIENT:** Cranmer Analytical Laboratory  
**Work Order:** 1903182  
**Project:** GBC0362

**QC SUMMARY REPORT**

Laboratory Control Spike

| Sample ID                      | <b>LCS-19049</b> | Batch ID: | <b>R98676</b>          | Test Code:  | <b>524W</b>    | Units:   | <b>µg/L</b> | Analysis Date | <b>3/11/2019 9:15:00 AM</b> | Prep Date |      |
|--------------------------------|------------------|-----------|------------------------|-------------|----------------|----------|-------------|---------------|-----------------------------|-----------|------|
| Client ID:                     |                  | Run ID:   | <b>ORGCMS3_190311A</b> | SeqNo:      | <b>1403336</b> |          |             |               |                             |           |      |
| Analyte                        | Result           | Limit     | SPK value              | SPK Ref Val | % Rec          | LowLimit | HighLimit   | RPD Ref Val   | %RPD                        | RPDLimit  | Qual |
| Dichlorodifluoromethane        | 3.758            | 0.50      | 5.00                   | 0           | 75.2%          | 70       | 130         | 0             |                             |           |      |
| Chloromethane                  | 4.510            | 0.50      | 5.00                   | 0           | 90.2%          | 70       | 130         | 0             |                             |           |      |
| Vinyl Chloride                 | 4.350            | 0.50      | 5.00                   | 0           | 87.0%          | 70       | 130         | 0             |                             |           |      |
| Bromomethane                   | 5.042            | 0.50      | 5.00                   | 0           | 101%           | 70       | 130         | 0             |                             |           |      |
| Chloroethane                   | 4.528            | 0.50      | 5.00                   | 0           | 90.6%          | 70       | 130         | 0             |                             |           |      |
| Trichlorofluoromethane         | 4.473            | 0.50      | 5.00                   | 0           | 89.5%          | 70       | 130         | 0             |                             |           |      |
| 1,1-Dichloroethene             | 4.704            | 0.50      | 5.00                   | 0           | 94.1%          | 70       | 130         | 0             |                             |           |      |
| 1,1,2-Trichlorotrifluoroethane | 4.514            | 0.50      | 5.00                   | 0           | 90.3%          | 70       | 130         | 0             |                             |           |      |
| Methylene Chloride             | 4.608            | 0.50      | 5.00                   | 0           | 92.2%          | 70       | 130         | 0             |                             |           |      |
| trans-1,2-Dichloroethene       | 4.671            | 0.50      | 5.00                   | 0           | 93.4%          | 70       | 130         | 0             |                             |           |      |
| Methyl tert-butyl ether (MTBE) | 4.287            | 3.0       | 5.00                   | 0           | 85.7%          | 70       | 130         | 0             |                             |           |      |
| Tert-butyl alcohol (TBA)       | 66.72            | 15        | 100                    | 0           | 66.7%          | 70       | 130         | 0             |                             |           | S    |
| Di-isopropyl ether (DIPE)      | 4.596            | 3.0       | 5.00                   | 0           | 91.9%          | 70       | 130         | 0             |                             |           |      |
| 1,1-Dichloroethane             | 4.823            | 0.50      | 5.00                   | 0           | 96.5%          | 70       | 130         | 0             |                             |           |      |
| Ethyl tert-butyl ether (ETBE)  | 4.640            | 3.0       | 5.00                   | 0           | 92.8%          | 70       | 130         | 0             |                             |           |      |
| cis-1,2-Dichloroethene         | 4.715            | 0.50      | 5.00                   | 0           | 94.3%          | 70       | 130         | 0             |                             |           |      |
| 2,2-Dichloropropane            | 5.242            | 0.50      | 5.00                   | 0           | 105%           | 70       | 130         | 0             |                             |           |      |
| Bromochloromethane             | 4.220            | 0.50      | 5.00                   | 0           | 84.4%          | 70       | 130         | 0             |                             |           |      |
| Chloroform                     | 4.688            | 0.50      | 5.00                   | 0           | 93.8%          | 70       | 130         | 0             |                             |           |      |
| Carbon tetrachloride           | 4.659            | 0.50      | 5.00                   | 0           | 93.2%          | 70       | 130         | 0             |                             |           |      |
| 1,1,1-Trichloroethane          | 4.826            | 0.50      | 5.00                   | 0           | 96.5%          | 70       | 130         | 0             |                             |           |      |
| 1,1-Dichloropropene            | 4.602            | 0.50      | 5.00                   | 0           | 92.0%          | 70       | 130         | 0             |                             |           |      |
| Benzene                        | 4.613            | 0.50      | 5.00                   | 0           | 92.3%          | 70       | 130         | 0             |                             |           |      |
| 1,2-Dichloroethane             | 4.480            | 0.50      | 5.00                   | 0           | 89.6%          | 70       | 130         | 0             |                             |           |      |
| Tert-amyl methyl ether (TAME)  | 4.392            | 3.0       | 5.00                   | 0           | 87.8%          | 70       | 130         | 0             |                             |           |      |
| Trichloroethene                | 4.565            | 0.50      | 5.00                   | 0           | 91.3%          | 70       | 130         | 0             |                             |           |      |
| Dibromomethane                 | 4.266            | 0.50      | 5.00                   | 0           | 85.3%          | 70       | 130         | 0             |                             |           |      |
| 1,2-Dichloropropane            | 4.705            | 0.50      | 5.00                   | 0           | 94.1%          | 70       | 130         | 0             |                             |           |      |

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

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**CLIENT:** Cranmer Analytical Laboratory  
**Work Order:** 1903182  
**Project:** GBC0362

## QC SUMMARY REPORT

Laboratory Control Spike

|                           |       |      |      |   |       |    |     |   |
|---------------------------|-------|------|------|---|-------|----|-----|---|
| Bromodichloromethane      | 4.673 | 0.50 | 5.00 | 0 | 93.5% | 70 | 130 | 0 |
| cis-1,3-Dichloropropene   | 4.526 | 0.50 | 5.00 | 0 | 90.5% | 70 | 130 | 0 |
| Toluene                   | 4.666 | 0.50 | 5.00 | 0 | 93.3% | 70 | 130 | 0 |
| Tetrachloroethene         | 4.508 | 0.50 | 5.00 | 0 | 90.2% | 70 | 130 | 0 |
| trans-1,3-Dichloropropene | 3.707 | 0.50 | 5.00 | 0 | 74.1% | 70 | 130 | 0 |
| 1,1,2-Trichloroethane     | 4.013 | 0.50 | 5.00 | 0 | 80.3% | 70 | 130 | 0 |
| Dibromochloromethane      | 4.636 | 0.50 | 5.00 | 0 | 92.7% | 70 | 130 | 0 |
| 1,3-Dichloropropane       | 4.449 | 0.50 | 5.00 | 0 | 89.0% | 70 | 130 | 0 |
| Chlorobenzene             | 4.861 | 0.50 | 5.00 | 0 | 97.2% | 70 | 130 | 0 |
| Ethylbenzene              | 4.768 | 0.50 | 5.00 | 0 | 95.4% | 70 | 130 | 0 |
| 1,1,1,2-Tetrachloroethane | 4.918 | 0.50 | 5.00 | 0 | 98.4% | 70 | 130 | 0 |
| m,p-Xylene                | 9.786 | 0.50 | 10.0 | 0 | 97.9% | 70 | 130 | 0 |
| o-Xylene                  | 4.853 | 0.50 | 5.00 | 0 | 97.1% | 70 | 130 | 0 |
| Bromoform                 | 4.358 | 0.50 | 5.00 | 0 | 87.2% | 70 | 130 | 0 |
| Styrene                   | 5.041 | 0.50 | 5.00 | 0 | 101%  | 70 | 130 | 0 |
| Isopropylbenzene          | 4.717 | 0.50 | 5.00 | 0 | 94.3% | 70 | 130 | 0 |
| Bromobenzene              | 4.760 | 0.50 | 5.00 | 0 | 95.2% | 70 | 130 | 0 |
| n-Propylbenzene           | 4.928 | 0.50 | 5.00 | 0 | 98.6% | 70 | 130 | 0 |
| 1,1,2,2-Tetrachloroethane | 3.918 | 0.50 | 5.00 | 0 | 78.4% | 70 | 130 | 0 |
| 2-Chlorotoluene           | 4.859 | 0.50 | 5.00 | 0 | 97.2% | 70 | 130 | 0 |
| 1,2,3-Trichloropropane    | 3.888 | 0.50 | 5.00 | 0 | 77.8% | 70 | 130 | 0 |
| 1,3,5-Trimethylbenzene    | 5.100 | 0.50 | 5.00 | 0 | 102%  | 70 | 130 | 0 |
| 4-Chlorotoluene           | 4.874 | 0.50 | 5.00 | 0 | 97.5% | 70 | 130 | 0 |
| tert-Butylbenzene         | 4.897 | 0.50 | 5.00 | 0 | 97.9% | 70 | 130 | 0 |
| 1,2,4-Trimethylbenzene    | 5.054 | 0.50 | 5.00 | 0 | 101%  | 70 | 130 | 0 |
| sec-Butylbenzene          | 4.887 | 0.50 | 5.00 | 0 | 97.7% | 70 | 130 | 0 |
| p-Isopropyltoluene        | 4.934 | 0.50 | 5.00 | 0 | 98.7% | 70 | 130 | 0 |
| 1,3-Dichlorobenzene       | 4.894 | 0.50 | 5.00 | 0 | 97.9% | 70 | 130 | 0 |
| 1,4-Dichlorobenzene       | 4.701 | 0.50 | 5.00 | 0 | 94.0% | 70 | 130 | 0 |
| n-Butylbenzene            | 4.731 | 0.50 | 5.00 | 0 | 94.6% | 70 | 130 | 0 |
| 1,2-Dichlorobenzene       | 4.603 | 0.50 | 5.00 | 0 | 92.1% | 70 | 130 | 0 |
| Hexachlorobutadiene       | 4.500 | 0.50 | 5.00 | 0 | 90.0% | 70 | 130 | 0 |
| 1,2,4-Trichlorobenzene    | 4.380 | 0.50 | 5.00 | 0 | 87.6% | 70 | 130 | 0 |
| Naphthalene               | 3.262 | 0.50 | 5.00 | 0 | 65.3% | 70 | 130 | 0 |

S

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

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**CLIENT:** Cranmer Analytical Laboratory**Work Order:** 1903182**Project:** GBC0362**QC SUMMARY REPORT**

Laboratory Control Spike

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|                                   |       |      |      |   |       |    |     |   |
|-----------------------------------|-------|------|------|---|-------|----|-----|---|
| 1,2,3-Trichlorobenzene            | 4.158 | 0.50 | 5.00 | 0 | 83.2% | 70 | 130 | 0 |
| Surrogate: Dibromofluoromethane   | 1.00  | 0.10 | 1.00 | 0 | 100%  | 70 | 130 | 0 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 0.940 | 0.10 | 1.00 | 0 | 94.0% | 70 | 130 | 0 |

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**Qualifiers:** ND - Not Detected at the Reporting Limit  
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R - RPD outside accepted recovery limits

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**CLIENT:** Cranmer Analytical Laboratory  
**Work Order:** 1903182  
**Project:** GBC0362

## QC SUMMARY REPORT

Laboratory Control Spike

| Sample ID                      | <b>LCS-19050</b> | Batch ID: | <b>R98698</b>          | Test Code:  | <b>524W</b>    | Units:   | <b>µg/L</b> | Analysis Date | <b>3/12/2019 11:50:00 AM</b> | Prep Date |      |
|--------------------------------|------------------|-----------|------------------------|-------------|----------------|----------|-------------|---------------|------------------------------|-----------|------|
| Client ID:                     |                  | Run ID:   | <b>ORGCMS3_190312B</b> | SeqNo:      | <b>1403717</b> |          |             |               |                              |           |      |
| Analyte                        | Result           | Limit     | SPK value              | SPK Ref Val | % Rec          | LowLimit | HighLimit   | RPD Ref Val   | %RPD                         | RPDLimit  | Qual |
| Dichlorodifluoromethane        | 4.408            | 0.50      | 5.00                   | 0           | 88.2%          | 70       | 130         | 0             |                              |           |      |
| Chloromethane                  | 6.019            | 0.50      | 5.00                   | 0           | 120%           | 70       | 130         | 0             |                              |           |      |
| Vinyl Chloride                 | 5.743            | 0.50      | 5.00                   | 0           | 115%           | 70       | 130         | 0             |                              |           |      |
| Bromomethane                   | 5.881            | 0.50      | 5.00                   | 0           | 118%           | 70       | 130         | 0             |                              |           |      |
| Chloroethane                   | 5.930            | 0.50      | 5.00                   | 0           | 119%           | 70       | 130         | 0             |                              |           |      |
| Trichlorofluoromethane         | 5.832            | 0.50      | 5.00                   | 0           | 117%           | 70       | 130         | 0             |                              |           |      |
| 1,1-Dichloroethene             | 4.453            | 0.50      | 5.00                   | 0           | 89.1%          | 70       | 130         | 0             |                              |           |      |
| 1,1,2-Trichlorotrifluoroethane | 3.578            | 0.50      | 5.00                   | 0           | 71.6%          | 70       | 130         | 0             |                              |           |      |
| Methylene Chloride             | 4.947            | 0.50      | 5.00                   | 0           | 98.9%          | 70       | 130         | 0             |                              |           |      |
| trans-1,2-Dichloroethene       | 4.898            | 0.50      | 5.00                   | 0           | 98.0%          | 70       | 130         | 0             |                              |           |      |
| Methyl tert-butyl ether (MTBE) | 4.434            | 3.0       | 5.00                   | 0           | 88.7%          | 70       | 130         | 0             |                              |           |      |
| Tert-butyl alcohol (TBA)       | 85.64            | 15        | 100                    | 0           | 85.6%          | 70       | 130         | 0             |                              |           |      |
| Di-isopropyl ether (DIPE)      | 4.697            | 3.0       | 5.00                   | 0           | 93.9%          | 70       | 130         | 0             |                              |           |      |
| 1,1-Dichloroethane             | 4.792            | 0.50      | 5.00                   | 0           | 95.8%          | 70       | 130         | 0             |                              |           |      |
| Ethyl tert-butyl ether (ETBE)  | 4.406            | 3.0       | 5.00                   | 0           | 88.1%          | 70       | 130         | 0             |                              |           |      |
| cis-1,2-Dichloroethene         | 4.883            | 0.50      | 5.00                   | 0           | 97.7%          | 70       | 130         | 0             |                              |           |      |
| 2,2-Dichloropropane            | 4.874            | 0.50      | 5.00                   | 0           | 97.5%          | 70       | 130         | 0             |                              |           |      |
| Bromochloromethane             | 4.610            | 0.50      | 5.00                   | 0           | 92.2%          | 70       | 130         | 0             |                              |           |      |
| Chloroform                     | 4.867            | 0.50      | 5.00                   | 0           | 97.3%          | 70       | 130         | 0             |                              |           |      |
| Carbon tetrachloride           | 4.119            | 0.50      | 5.00                   | 0           | 82.4%          | 70       | 130         | 0             |                              |           |      |
| 1,1,1-Trichloroethane          | 4.497            | 0.50      | 5.00                   | 0           | 89.9%          | 70       | 130         | 0             |                              |           |      |
| 1,1-Dichloropropene            | 4.363            | 0.50      | 5.00                   | 0           | 87.3%          | 70       | 130         | 0             |                              |           |      |
| Benzene                        | 4.796            | 0.50      | 5.00                   | 0           | 95.9%          | 70       | 130         | 0             |                              |           |      |
| 1,2-Dichloroethane             | 4.773            | 0.50      | 5.00                   | 0           | 95.5%          | 70       | 130         | 0             |                              |           |      |
| Tert-amyl methyl ether (TAME)  | 4.452            | 3.0       | 5.00                   | 0           | 89.0%          | 70       | 130         | 0             |                              |           |      |
| Trichloroethene                | 4.657            | 0.50      | 5.00                   | 0           | 93.1%          | 70       | 130         | 0             |                              |           |      |
| Dibromomethane                 | 4.757            | 0.50      | 5.00                   | 0           | 95.1%          | 70       | 130         | 0             |                              |           |      |
| 1,2-Dichloropropane            | 4.712            | 0.50      | 5.00                   | 0           | 94.2%          | 70       | 130         | 0             |                              |           |      |
| Bromodichloromethane           | 4.800            | 0.50      | 5.00                   | 0           | 96.0%          | 70       | 130         | 0             |                              |           |      |

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Cranmer Analytical Laboratory  
**Work Order:** 1903182  
**Project:** GBC0362

## QC SUMMARY REPORT

Laboratory Control Spike

|                           |       |      |      |   |       |    |     |   |
|---------------------------|-------|------|------|---|-------|----|-----|---|
| cis-1,3-Dichloropropene   | 4.718 | 0.50 | 5.00 | 0 | 94.4% | 70 | 130 | 0 |
| Toluene                   | 4.743 | 0.50 | 5.00 | 0 | 94.9% | 70 | 130 | 0 |
| Tetrachloroethene         | 4.488 | 0.50 | 5.00 | 0 | 89.8% | 70 | 130 | 0 |
| trans-1,3-Dichloropropene | 3.892 | 0.50 | 5.00 | 0 | 77.8% | 70 | 130 | 0 |
| 1,1,2-Trichloroethane     | 4.612 | 0.50 | 5.00 | 0 | 92.2% | 70 | 130 | 0 |
| Dibromochloromethane      | 4.616 | 0.50 | 5.00 | 0 | 92.3% | 70 | 130 | 0 |
| 1,3-Dichloropropane       | 4.698 | 0.50 | 5.00 | 0 | 94.0% | 70 | 130 | 0 |
| Chlorobenzene             | 4.758 | 0.50 | 5.00 | 0 | 95.2% | 70 | 130 | 0 |
| Ethylbenzene              | 4.578 | 0.50 | 5.00 | 0 | 91.6% | 70 | 130 | 0 |
| 1,1,1,2-Tetrachloroethane | 4.738 | 0.50 | 5.00 | 0 | 94.8% | 70 | 130 | 0 |
| m,p-Xylene                | 9.400 | 0.50 | 10.0 | 0 | 94.0% | 70 | 130 | 0 |
| o-Xylene                  | 4.473 | 0.50 | 5.00 | 0 | 89.5% | 70 | 130 | 0 |
| Bromoform                 | 4.688 | 0.50 | 5.00 | 0 | 93.8% | 70 | 130 | 0 |
| Styrene                   | 4.798 | 0.50 | 5.00 | 0 | 96.0% | 70 | 130 | 0 |
| Isopropylbenzene          | 4.548 | 0.50 | 5.00 | 0 | 91.0% | 70 | 130 | 0 |
| Bromobenzene              | 4.698 | 0.50 | 5.00 | 0 | 94.0% | 70 | 130 | 0 |
| n-Propylbenzene           | 4.671 | 0.50 | 5.00 | 0 | 93.4% | 70 | 130 | 0 |
| 1,1,2,2-Tetrachloroethane | 4.494 | 0.50 | 5.00 | 0 | 89.9% | 70 | 130 | 0 |
| 2-Chlorotoluene           | 4.694 | 0.50 | 5.00 | 0 | 93.9% | 70 | 130 | 0 |
| 1,2,3-Trichloropropane    | 4.380 | 0.50 | 5.00 | 0 | 87.6% | 70 | 130 | 0 |
| 1,3,5-Trimethylbenzene    | 4.646 | 0.50 | 5.00 | 0 | 92.9% | 70 | 130 | 0 |
| 4-Chlorotoluene           | 4.894 | 0.50 | 5.00 | 0 | 97.9% | 70 | 130 | 0 |
| tert-Butylbenzene         | 4.563 | 0.50 | 5.00 | 0 | 91.3% | 70 | 130 | 0 |
| 1,2,4-Trimethylbenzene    | 4.685 | 0.50 | 5.00 | 0 | 93.7% | 70 | 130 | 0 |
| sec-Butylbenzene          | 4.651 | 0.50 | 5.00 | 0 | 93.0% | 70 | 130 | 0 |
| p-Isopropyltoluene        | 4.524 | 0.50 | 5.00 | 0 | 90.5% | 70 | 130 | 0 |
| 1,3-Dichlorobenzene       | 4.924 | 0.50 | 5.00 | 0 | 98.5% | 70 | 130 | 0 |
| 1,4-Dichlorobenzene       | 4.761 | 0.50 | 5.00 | 0 | 95.2% | 70 | 130 | 0 |
| n-Butylbenzene            | 4.553 | 0.50 | 5.00 | 0 | 91.1% | 70 | 130 | 0 |
| 1,2-Dichlorobenzene       | 4.713 | 0.50 | 5.00 | 0 | 94.3% | 70 | 130 | 0 |
| Hexachlorobutadiene       | 4.267 | 0.50 | 5.00 | 0 | 85.3% | 70 | 130 | 0 |
| 1,2,4-Trichlorobenzene    | 4.445 | 0.50 | 5.00 | 0 | 88.9% | 70 | 130 | 0 |
| Naphthalene               | 3.594 | 0.50 | 5.00 | 0 | 71.9% | 70 | 130 | 0 |
| 1,2,3-Trichlorobenzene    | 4.648 | 0.50 | 5.00 | 0 | 93.0% | 70 | 130 | 0 |

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Cranmer Analytical Laboratory

**Work Order:** 1903182

**Project:** GBC0362

## QC SUMMARY REPORT

Laboratory Control Spike

|                                   |       |      |      |   |       |    |     |   |
|-----------------------------------|-------|------|------|---|-------|----|-----|---|
| Surrogate: Dibromofluoromethane   | 1.01  | 0.10 | 1.00 | 0 | 101%  | 70 | 130 | 0 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 0.980 | 0.10 | 1.00 | 0 | 98.0% | 70 | 130 | 0 |

Sample ID **LCS-19053** Batch ID: **R98720** Test Code: **524W** Units: **µg/L** Analysis Date **3/14/2019 10:13:00 AM** Prep Date

Client ID: Run ID: **ORGCMS3\_190314A** SeqNo: **1404047**

| Analyte                           | Result | Limit | SPK value | SPK Ref Val | % Rec | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|-----------------------------------|--------|-------|-----------|-------------|-------|----------|-----------|-------------|------|----------|------|
| Naphthalene                       | 3.885  | 0.50  | 5.00      | 0           | 77.7% | 70       | 130       | 0           |      |          |      |
| Surrogate: Dibromofluoromethane   | 1.00   | 0.10  | 1.00      | 0           | 100%  | 70       | 130       | 0           |      |          |      |
| Surrogate: 1,2-Dichlorobenzene-d4 | 0.970  | 0.10  | 1.00      | 0           | 97.0% | 70       | 130       | 0           |      |          |      |

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

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**Cranmer Engineering, Inc.**  
Integrated Engineering Services

1903182 33 of 34  
**SUBCONTRACT  
ORDER**

**Sending Laboratory:**

CEI  
1188 East Main Street  
Grass Valley, CA 98021  
Phone: 530-273-7284  
Fax: -

Project Manager: Justin Smith

**Subcontracted Laboratory:**

North Coast Laboratories LTD  
5680 West End Road  
Arcata, CA 955219202  
Phone: (707) 822-4649  
Fax:

**Work Order: GBC0362**

| Analysis                                                                                                           | Comments |
|--------------------------------------------------------------------------------------------------------------------|----------|
| <b>Sample ID: GBC0362-01 500 Fir St</b><br><i>Drinking Water Sampled: 03/07/2019 07:50</i>                         |          |
| Volatile Organic Compounds (VOCs)                                                                                  |          |
| <i>Containers Supplied:</i><br>VOA w/HCl (A)                      VOA w/HCl (B)                      VOA w/HCl (C) |          |
| <b>Sample ID: GBC0362-02 501 Fir St</b><br><i>Drinking Water Sampled: 03/07/2019 08:00</i>                         |          |
| Volatile Organic Compounds (VOCs)                                                                                  |          |
| <i>Containers Supplied:</i><br>VOA w/HCl (A)                      VOA w/HCl (B)                      VOA w/HCl (C) |          |
| <b>Sample ID: GBC0362-03 509 Fir St</b><br><i>Drinking Water Sampled: 03/07/2019 08:10</i>                         |          |
| Volatile Organic Compounds (VOCs)                                                                                  |          |
| <i>Containers Supplied:</i><br>VOA w/HCl (A)                      VOA w/HCl (B)                      VOA w/HCl (C) |          |
| <b>Sample ID: GBC0362-04 510 Fir St</b><br><i>Drinking Water Sampled: 03/07/2019 08:35</i>                         |          |
| Volatile Organic Compounds (VOCs)                                                                                  |          |
| <i>Containers Supplied:</i><br>VOA w/HCl (A)                      VOA w/HCl (B)                      VOA w/HCl (C) |          |
| <b>Sample ID: GBC0362-05 518 Fir St</b><br><i>Drinking Water Sampled: 03/07/2019 09:10</i>                         |          |
| Volatile Organic Compounds (VOCs)                                                                                  |          |
| <i>Containers Supplied:</i><br>VOA w/HCl (A)                      VOA w/HCl (B)                      VOA w/HCl (C) |          |

EDT Upload    YES ☐    NO ☒

Released By HAS / CAL

Date 3/8/19

Received By [Signature] 1.2°C

Date 3/19/19



**Work Order: GBC0362 (Continued)**

| Analysis                                                                                                           | Comments |
|--------------------------------------------------------------------------------------------------------------------|----------|
| <b>Sample ID: GBC0362-06 520 Fir St</b><br><i>Drinking Water Sampled: 03/07/2019 09:25</i>                         |          |
| Volatile Organic Compounds (VOCs)                                                                                  |          |
| <i>Containers Supplied:</i><br>VOA w/HCl (A)                      VOA w/HCl (B)                      VOA w/HCl (C) |          |
| <b>Sample ID: GBC0362-07 512 Fir St</b><br><i>Drinking Water Sampled: 03/07/2019 09:35</i>                         |          |
| Volatile Organic Compounds (VOCs)                                                                                  |          |
| <i>Containers Supplied:</i><br>VOA w/HCl (A)                      VOA w/HCl (B)                      VOA w/HCl (C) |          |
| <b>Sample ID: GBC0362-08 Fir St B/O</b><br><i>Drinking Water Sampled: 03/07/2019 09:50</i>                         |          |
| Volatile Organic Compounds (VOCs)                                                                                  |          |
| <i>Containers Supplied:</i><br>VOA w/HCl (A)                      VOA w/HCl (B)                      VOA w/HCl (C) |          |
| <b>Sample ID: GBC0362-09 602 Boquest</b><br><i>Drinking Water Sampled: 03/07/2019 10:10</i>                        |          |
| Volatile Organic Compounds (VOCs)                                                                                  |          |
| <i>Containers Supplied:</i><br>VOA w/HCl (A)                      VOA w/HCl (B)                      VOA w/HCl (C) |          |

EDT Upload    YES ☐    NO ☐

Released By

Date

Received By

Date