



Cranmer Engineering, Inc.
Integrated Engineering Services

Sample Results

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

Work Order: GBC0364

Received: 03/08/19 11:49

Reported: 03/18/19 16:22

Camp Fire

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 | E.L.A.P. Certification No. 1936

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

Subcontracted Analyses

Sample Site: HYD Rockford Ln 1st Dr
Sample Number GBC0364-01
Source Type: Surface

Date Collected: 3/8/2019 8:20:00AM
Collected by: Ken Capra
Title 22 Designation:

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

Report with Method References attached.

Sample Site: HYD Rockford Ln 2nd Dr
Sample Number GBC0364-02
Source Type: Surface

Date Collected: 3/8/2019 8:25:00AM
Collected by: Ken Capra
Title 22 Designation:

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

Report with Method References attached.

Sample Site: 5501 Rockford Ln
Sample Number GBC0364-03
Source Type: Surface

Date Collected: 3/8/2019 8:40:00AM
Collected by: Ken Capra
Title 22 Designation:

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

Report with Method References attached.

Sample Site: HYD 5175 Country Club 1st
Sample Number GBC0364-04
Source Type: Surface

Date Collected: 3/8/2019 9:00:00AM
Collected by: Ken Capra
Title 22 Designation:

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

Report with Method References attached.

Sample Site: HYD 5175 Country Club 2nd
Sample Number GBC0364-05
Source Type: Surface

Date Collected: 3/8/2019 9:10:00AM
Collected by: Ken Capra
Title 22 Designation:

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

Report with Method References attached.

Sample Site: 2379 Joseph Ct
Sample Number GBC0364-06
Source Type: Surface

Date Collected: 3/8/2019 9:30:00AM
Collected by: Ken Capra
Title 22 Designation:

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

Report with Method References attached.

Integrating people, land and water.

1188 East Main Street, Grass Valley, CA 95945

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

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

Sample Site: 2371 Joseph Ct**Sample Number** GBC0364-07

Source Type: Surface

Date Collected: 3/8/2019 9:40:00AM**Collected by:** Ken Capra

Title 22 Designation:

Analyzing Laboratory: North Coast Laboratories LTD

Report with Method References attached.

Analysis Volatile Organic Compounds (VOCs)**Sample Site:** 2374 Joseph Ct**Sample Number** GBC0364-08

Source Type: Surface

Date Collected: 3/8/2019 9:50:00AM**Collected by:** Ken Capra

Title 22 Designation:

Analyzing Laboratory: North Coast Laboratories LTD

Report with Method References attached.

Analysis Volatile Organic Compounds (VOCs)**Sample Site:** 2363 Joseph Ct**Sample Number** GBC0364-09

Source Type: Surface

Date Collected: 3/8/2019 10:00:00AM**Collected by:** Ken Capra

Title 22 Designation:

Analyzing Laboratory: North Coast Laboratories LTD

Report with Method References attached.

Analysis Volatile Organic Compounds (VOCs)**Sample Site:** 2361 Joseph Ct**Sample Number** GBC0364-10

Source Type: Surface

Date Collected: 3/8/2019 10:25:00AM**Collected by:** Ken Capra

Title 22 Designation:

Analyzing Laboratory: North Coast Laboratories LTD

Report with Method References attached.

Analysis Volatile Organic Compounds (VOCs)**Sample Site:** 2364 Joseph Ct**Sample Number** GBC0364-11

Source Type: Surface

Date Collected: 3/8/2019 10:30:00AM**Collected by:** Ken Capra

Title 22 Designation:

Analyzing Laboratory: North Coast Laboratories LTD

Report with Method References attached.

Analysis Volatile Organic Compounds (VOCs)**Sample Site:** 2358 Joseph Ct**Sample Number** GBC0364-12

Source Type: Surface

Date Collected: 3/8/2019 10:40:00AM**Collected by:** Ken Capra

Title 22 Designation:

Analyzing Laboratory: North Coast Laboratories LTD

Report with Method References attached.

Analysis Volatile Organic Compounds (VOCs)**Sample Site:** Blow Off Joseph Ct**Sample Number** GBC0364-13

Source Type: Surface

Date Collected: 3/8/2019 10:45:00AM**Collected by:** Ken Capra

Title 22 Designation:

Analyzing Laboratory: North Coast Laboratories LTD

Report with Method References attached.

Integrating people, land and water.

1188 East Main Street, Grass Valley, CA 95945

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

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

Analysis Volatile Organic Compounds (VOCs)

Sample Site: HYD 2213 Richmond Rd 1st
Sample Number GBC0364-14
Source Type: Surface

Date Collected: 3/8/2019 11:10:00AM
Collected by: Ken Capra
Title 22 Designation:

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

Report with Method References attached.

Sample Site: HYD 2213 Richmond Rd 2n
Sample Number GBC0364-15
Source Type: Surface

Date Collected: 3/8/2019 11:20:00AM
Collected by: Ken Capra
Title 22 Designation:

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

Report with Method References attached.



Justin Smith

Director

Integrating people, land and water.

1188 East Main Street, Grass Valley, CA 95945

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

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



1188 East Main Street Grass Valley, CA 95945
Phone: (530) 273-7284
Email: lab@cranmerengineering.com

Required Fields*

Company/Client Name*: Paradise Irrigation District
6332 Clark Road
Paradise, CA 95969-4146

Report Attention*: Additional cc's:

Temp:

Invoice To*: PO#:

- Turn Around Time Request
☐ Standard - 10 Business days
☒ Rush (Surcharge may apply)
Date needed:

ANALYTICAL
CHAIN OF CUSTODY



Address*: Project: Camp Fire Samples		City*: State*: Zip*: Matrix Types: A= Cold B= HNO ₃ C= HCL D= H ₂ SO ₄ E= NaOH F= NaThio G= H ₂ PO ₄ H= NH ₄ CL		Phone*: Fax:	
Reporting Options: ☐ EDT Type: ☐ EDT to California SWRCB System Number*: ☐ Geotracker #:		Regulatory Carbon Copies Yes / No		Email*: Analysis Required	
Sampler Name (Printed/Signature): KEN CAPRA Ken Capra		Agency:			
Matrix Types: SW=Surface Water GW=Ground Water WW=Waste Water STW=Storm Water DW=Drinking Water SO=Solid					
# Sample Descriptions					
Sample Descriptions		Date	Time	Matrix* Comments/Station Code/WTRAX	Preservation
35 HYD ROCKFORD LN. 1ST. DR. 5719		0820	DW	A,C	
36 HYD ROCKFORD LN. 2ND DR. 3719		0825			
37 5501 ROCKFORD LN. 3719		0840			
38 HYD. 5175 COUNTRY CLUB 1ST. DR. 3719		0900			
39 HYD. 5175 COUNTRY CLUB 2ND DR. 3719		0910			
40 2379 JOSEPH CT. 3719		0930			
41 2371 JOSEPH CT. 3719		0940			
42 2374 JOSEPH CT. 3719		0950			
43 2363 JOSEPH CT. 3719		10:00			
44 2361 JOSEPH CT. 3719		10:25			
45 2364 JOSEPH CT. 3719		10:36			
46 2358 JOSEPH CT. 3719		10:40			
47 BLOW OFF JOSEPH CT. 3719		10:45			
48 HYD 2213 RICHMOND RD 1ST. DR. 3719		11:10			
49 HYD 2213 RICHMOND RD 2ND DR. 3719		11:20			
Relinquished By: (Signature and Printed Name) Ken Capra		Date	Time	Received by: (Signature and Printed Name) Ken Capra	Company: PFD
Relinquished By: (Signature and Printed Name) Ken Capra		Date	Time	Received by: (Signature and Printed Name) Ken Capra	Company: PFD
Received for Lab by: (Signature and Printed Name) Ken Capra		Date	Time	Payment Received at Delivery	Check: Cash
Shipping Method: ONTRAC		UPS		Amount: P/A#:	
Cooling Method: Wet		Blue		Custody Seal: Y / N	
		None		Chilling Begun: Y / N	



**NORTH COAST
LABORATORIES LTD.**

March 15, 2019

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

Attn: Michelle Harlin

Order No.: 1903187
Invoice No.: 145321
PO No.:
ELAP No.1247-Expires July 2020

RE: GBC0364

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	GBC0364-01 HYD Rockford Ln 1st Dr
02A	GBC0364-02 HYD Rockford Ln 2nd Dr
03A	GBC0364-03 5501 Rockford Ln
04A	GBC0364-04 HYD 5175 Country Club 1st Dr
05A	GBC0364-05 HYD 5175 Country Club 2nd Dr
06A	GBC0364-06 2379 Joseph Cr
07A	GBC0364-07 2371 Joseph Cr
08A	GBC0364-08 2374 Joseph Cr
09A	GBC0364-09 2363 Joseph Cr
10A	GBC0364-10 2361 Joseph Cr
11A	GBC0364-11 2364 Joseph Ct
12A	GBC0364-12 2358 Joseph Ct
13A	GBC0364-13 Blow Off Joseph Ct
14A	GBC0364-14 HYD 2213 Richmond Rd 1st Dr
15A	GBC0364-15 HYD 2213 Richmond Rd 2nd Dr

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 Moore, Project Manager

Date: 15-Mar-2019
WorkOrder: 1903187

CASE NARRATIVE

EPA 524.2:

The laboratory control sample (LCS) recoveries were above the upper acceptance limits for chloromethane, bromomethane, chloroethane, 1,1,2-trichlorotrifluoroethane, 1,1-dichloroethene and 2,2-dichloropropane. The elevated recoveries equate to a high bias. There were no detectable levels of these analytes in the sample; therefore, the data were accepted.

The laboratory control sample (LCS) recoveries were 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) recoveries were 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: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-01 HYD Rockford Ln 1st Dr

Received: 3/9/2019

Lab ID: 1903187-01A

Collected: 3/8/2019 8:20

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
Chloroform	50		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
Bromodichloromethane	3.5		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: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-01 HYD Rockford Ln 1st Dr

Received: 3/9/2019

Lab ID: 1903187-01A

Collected: 3/8/2019 8:20

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	102	70-130	% Rec	1.0	3/12/2019
Surrogate: Dibromofluoromethane	103	70-130	% Rec	1.0	3/12/2019

Date: 15-Mar-2019

WorkOrder: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-02 HYD Rockford Ln 2nd Dr

Received: 3/9/2019

Lab ID: 1903187-02A

Collected: 3/8/2019 8:25

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		3/13/2019
Chloromethane	ND		0.50	µg/L	1.0		3/13/2019
Vinyl Chloride	ND		0.50	µg/L	1.0		3/13/2019
Bromomethane	ND		0.50	µg/L	1.0		3/13/2019
Chloroethane	ND		0.50	µg/L	1.0		3/13/2019
Trichlorofluoromethane	ND		0.50	µg/L	1.0		3/13/2019
1,1-Dichloroethene	ND		0.50	µg/L	1.0		3/13/2019
1,1,2-Trichlorotrifluoroethane	ND		0.50	µg/L	1.0		3/13/2019
Methylene Chloride	ND		0.50	µg/L	1.0		3/13/2019
trans-1,2-Dichloroethene	ND		0.50	µg/L	1.0		3/13/2019
Methyl tert-butyl ether (MTBE)	ND		3.0	µg/L	1.0		3/13/2019
Tert-butyl alcohol (TBA)	ND		15	µg/L	1.0		3/13/2019
Di-isopropyl ether (DIPE)	ND		3.0	µg/L	1.0		3/13/2019
1,1-Dichloroethane	ND		0.50	µg/L	1.0		3/13/2019
Ethyl tert-butyl ether (ETBE)	ND		3.0	µg/L	1.0		3/13/2019
cis-1,2-Dichloroethene	ND		0.50	µg/L	1.0		3/13/2019
2,2-Dichloropropane	ND		0.50	µg/L	1.0		3/13/2019
Bromochloromethane	ND		0.50	µg/L	1.0		3/13/2019
Chloroform	49		0.50	µg/L	1.0		3/13/2019
Carbon tetrachloride	ND		0.50	µg/L	1.0		3/13/2019
1,1,1-Trichloroethane	ND		0.50	µg/L	1.0		3/13/2019
1,1-Dichloropropene	ND		0.50	µg/L	1.0		3/13/2019
Benzene	ND		0.50	µg/L	1.0		3/13/2019
1,2-Dichloroethane	ND		0.50	µg/L	1.0		3/13/2019
Tert-amyl methyl ether (TAME)	ND		3.0	µg/L	1.0		3/13/2019
Trichloroethene	ND		0.50	µg/L	1.0		3/13/2019
Dibromomethane	ND		0.50	µg/L	1.0		3/13/2019
1,2-Dichloropropane	ND		0.50	µg/L	1.0		3/13/2019
Bromodichloromethane	3.4		0.50	µg/L	1.0		3/13/2019
cis-1,3-Dichloropropene	ND		0.50	µg/L	1.0		3/13/2019
Toluene	ND		0.50	µg/L	1.0		3/13/2019
Tetrachloroethene	ND		0.50	µg/L	1.0		3/13/2019
trans-1,3-Dichloropropene	ND		0.50	µg/L	1.0		3/13/2019
1,1,2-Trichloroethane	ND		0.50	µg/L	1.0		3/13/2019
Dibromochloromethane	ND		0.50	µg/L	1.0		3/13/2019
1,3-Dichloropropane	ND		0.50	µg/L	1.0		3/13/2019
Chlorobenzene	ND		0.50	µg/L	1.0		3/13/2019
Ethylbenzene	ND		0.50	µg/L	1.0		3/13/2019
1,1,1,2-Tetrachloroethane	ND		0.50	µg/L	1.0		3/13/2019
m,p-Xylene	ND		0.50	µg/L	1.0		3/13/2019
o-Xylene	ND		0.50	µg/L	1.0		3/13/2019
Bromoform	ND		0.50	µg/L	1.0		3/13/2019
Styrene	ND		0.50	µg/L	1.0		3/13/2019
Isopropylbenzene	ND		0.50	µg/L	1.0		3/13/2019
Bromobenzene	ND		0.50	µg/L	1.0		3/13/2019
n-Propylbenzene	ND		0.50	µg/L	1.0		3/13/2019
1,1,2,2-Tetrachloroethane	ND		0.50	µg/L	1.0		3/13/2019

Date: 15-Mar-2019

WorkOrder: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-02 HYD Rockford Ln 2nd Dr

Received: 3/9/2019

Lab ID: 1903187-02A

Collected: 3/8/2019 8:25

2-Chlorotoluene	ND	0.50	µg/L	1.0	3/13/2019
1,2,3-Trichloropropane	ND	0.50	µg/L	1.0	3/13/2019
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1.0	3/13/2019
4-Chlorotoluene	ND	0.50	µg/L	1.0	3/13/2019
tert-Butylbenzene	ND	0.50	µg/L	1.0	3/13/2019
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1.0	3/13/2019
sec-Butylbenzene	ND	0.50	µg/L	1.0	3/13/2019
p-Isopropyltoluene	ND	0.50	µg/L	1.0	3/13/2019
1,3-Dichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
1,4-Dichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
n-Butylbenzene	ND	0.50	µg/L	1.0	3/13/2019
1,2-Dichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
Hexachlorobutadiene	ND	0.50	µg/L	1.0	3/13/2019
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
Naphthalene	ND	0.50	µg/L	1.0	3/13/2019
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
Surrogate: 1,2-Dichlorobenzene-d4	103	70-130	% Rec	1.0	3/13/2019
Surrogate: Dibromofluoromethane	101	70-130	% Rec	1.0	3/13/2019

Date: 15-Mar-2019

WorkOrder: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-03 5501 Rockford Ln

Received: 3/9/2019

Lab ID: 1903187-03A

Collected: 3/8/2019 8:40

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		3/13/2019
Chloromethane	0.75		0.50	µg/L	1.0		3/13/2019
Vinyl Chloride	ND		0.50	µg/L	1.0		3/13/2019
Bromomethane	ND		0.50	µg/L	1.0		3/13/2019
Chloroethane	ND		0.50	µg/L	1.0		3/13/2019
Trichlorofluoromethane	ND		0.50	µg/L	1.0		3/13/2019
1,1-Dichloroethene	ND		0.50	µg/L	1.0		3/13/2019
1,1,2-Trichlorotrifluoroethane	ND		0.50	µg/L	1.0		3/13/2019
Methylene Chloride	15		0.50	µg/L	1.0		3/13/2019
trans-1,2-Dichloroethene	ND		0.50	µg/L	1.0		3/13/2019
Methyl tert-butyl ether (MTBE)	ND		3.0	µg/L	1.0		3/13/2019
Tert-butyl alcohol (TBA)	ND		15	µg/L	1.0		3/13/2019
Di-isopropyl ether (DIPE)	ND		3.0	µg/L	1.0		3/13/2019
1,1-Dichloroethane	ND		0.50	µg/L	1.0		3/13/2019
Ethyl tert-butyl ether (ETBE)	ND		3.0	µg/L	1.0		3/13/2019
cis-1,2-Dichloroethene	ND		0.50	µg/L	1.0		3/13/2019
2,2-Dichloropropane	ND		0.50	µg/L	1.0		3/13/2019
Bromochloromethane	ND		0.50	µg/L	1.0		3/13/2019
Chloroform	42		0.50	µg/L	1.0		3/13/2019
Carbon tetrachloride	ND		0.50	µg/L	1.0		3/13/2019
1,1,1-Trichloroethane	ND		0.50	µg/L	1.0		3/13/2019
1,1-Dichloropropene	ND		0.50	µg/L	1.0		3/13/2019
Benzene	ND		0.50	µg/L	1.0		3/13/2019
1,2-Dichloroethane	ND		0.50	µg/L	1.0		3/13/2019
Tert-amyl methyl ether (TAME)	ND		3.0	µg/L	1.0		3/13/2019
Trichloroethene	ND		0.50	µg/L	1.0		3/13/2019
Dibromomethane	ND		0.50	µg/L	1.0		3/13/2019
1,2-Dichloropropane	ND		0.50	µg/L	1.0		3/13/2019
Bromodichloromethane	ND		0.50	µg/L	1.0		3/13/2019
cis-1,3-Dichloropropene	ND		0.50	µg/L	1.0		3/13/2019
Toluene	ND		0.50	µg/L	1.0		3/13/2019
Tetrachloroethene	ND		0.50	µg/L	1.0		3/13/2019
trans-1,3-Dichloropropene	ND		0.50	µg/L	1.0		3/13/2019
1,1,2-Trichloroethane	ND		0.50	µg/L	1.0		3/13/2019
Dibromochloromethane	ND		0.50	µg/L	1.0		3/13/2019
1,3-Dichloropropane	ND		0.50	µg/L	1.0		3/13/2019
Chlorobenzene	ND		0.50	µg/L	1.0		3/13/2019
Ethylbenzene	ND		0.50	µg/L	1.0		3/13/2019
1,1,1,2-Tetrachloroethane	ND		0.50	µg/L	1.0		3/13/2019
m,p-Xylene	ND		0.50	µg/L	1.0		3/13/2019
o-Xylene	ND		0.50	µg/L	1.0		3/13/2019
Bromoform	ND		0.50	µg/L	1.0		3/13/2019
Styrene	ND		0.50	µg/L	1.0		3/13/2019
Isopropylbenzene	ND		0.50	µg/L	1.0		3/13/2019
Bromobenzene	ND		0.50	µg/L	1.0		3/13/2019
n-Propylbenzene	ND		0.50	µg/L	1.0		3/13/2019
1,1,2,2-Tetrachloroethane	ND		0.50	µg/L	1.0		3/13/2019

Date: 15-Mar-2019

WorkOrder: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-03 5501 Rockford Ln

Received: 3/9/2019

Lab ID: 1903187-03A

Collected: 3/8/2019 8:40

2-Chlorotoluene	ND	0.50	µg/L	1.0	3/13/2019
1,2,3-Trichloropropane	ND	0.50	µg/L	1.0	3/13/2019
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1.0	3/13/2019
4-Chlorotoluene	ND	0.50	µg/L	1.0	3/13/2019
tert-Butylbenzene	ND	0.50	µg/L	1.0	3/13/2019
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1.0	3/13/2019
sec-Butylbenzene	ND	0.50	µg/L	1.0	3/13/2019
p-Isopropyltoluene	ND	0.50	µg/L	1.0	3/13/2019
1,3-Dichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
1,4-Dichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
n-Butylbenzene	ND	0.50	µg/L	1.0	3/13/2019
1,2-Dichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
Hexachlorobutadiene	ND	0.50	µg/L	1.0	3/13/2019
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
Naphthalene	ND	0.50	µg/L	1.0	3/13/2019
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
Surrogate: 1,2-Dichlorobenzene-d4	104	70-130	% Rec	1.0	3/13/2019
Surrogate: Dibromofluoromethane	102	70-130	% Rec	1.0	3/13/2019

Date: 15-Mar-2019

WorkOrder: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-04 HYD 5175 Country Club 1st Dr

Received: 3/9/2019

Lab ID: 1903187-04A

Collected: 3/8/2019 9:00

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		3/13/2019
Chloromethane	ND		0.50	µg/L	1.0		3/13/2019
Vinyl Chloride	ND		0.50	µg/L	1.0		3/13/2019
Bromomethane	ND		0.50	µg/L	1.0		3/13/2019
Chloroethane	ND		0.50	µg/L	1.0		3/13/2019
Trichlorofluoromethane	ND		0.50	µg/L	1.0		3/13/2019
1,1-Dichloroethene	ND		0.50	µg/L	1.0		3/13/2019
1,1,2-Trichlorotrifluoroethane	ND		0.50	µg/L	1.0		3/13/2019
Methylene Chloride	ND		0.50	µg/L	1.0		3/13/2019
trans-1,2-Dichloroethene	ND		0.50	µg/L	1.0		3/13/2019
Methyl tert-butyl ether (MTBE)	ND		3.0	µg/L	1.0		3/13/2019
Tert-butyl alcohol (TBA)	ND		15	µg/L	1.0		3/13/2019
Di-isopropyl ether (DIPE)	ND		3.0	µg/L	1.0		3/13/2019
1,1-Dichloroethane	ND		0.50	µg/L	1.0		3/13/2019
Ethyl tert-butyl ether (ETBE)	ND		3.0	µg/L	1.0		3/13/2019
cis-1,2-Dichloroethene	ND		0.50	µg/L	1.0		3/13/2019
2,2-Dichloropropane	ND		0.50	µg/L	1.0		3/13/2019
Bromochloromethane	ND		0.50	µg/L	1.0		3/13/2019
Chloroform	34		0.50	µg/L	1.0		3/13/2019
Carbon tetrachloride	ND		0.50	µg/L	1.0		3/13/2019
1,1,1-Trichloroethane	ND		0.50	µg/L	1.0		3/13/2019
1,1-Dichloropropene	ND		0.50	µg/L	1.0		3/13/2019
Benzene	19		0.50	µg/L	1.0		3/13/2019
1,2-Dichloroethane	ND		0.50	µg/L	1.0		3/13/2019
Tert-amyl methyl ether (TAME)	ND		3.0	µg/L	1.0		3/13/2019
Trichloroethene	ND		0.50	µg/L	1.0		3/13/2019
Dibromomethane	ND		0.50	µg/L	1.0		3/13/2019
1,2-Dichloropropane	ND		0.50	µg/L	1.0		3/13/2019
Bromodichloromethane	2.5		0.50	µg/L	1.0		3/13/2019
cis-1,3-Dichloropropene	ND		0.50	µg/L	1.0		3/13/2019
Toluene	4.5		0.50	µg/L	1.0		3/13/2019
Tetrachloroethene	ND		0.50	µg/L	1.0		3/13/2019
trans-1,3-Dichloropropene	ND		0.50	µg/L	1.0		3/13/2019
1,1,2-Trichloroethane	ND		0.50	µg/L	1.0		3/13/2019
Dibromochloromethane	ND		0.50	µg/L	1.0		3/13/2019
1,3-Dichloropropane	ND		0.50	µg/L	1.0		3/13/2019
Chlorobenzene	ND		0.50	µg/L	1.0		3/13/2019
Ethylbenzene	0.66		0.50	µg/L	1.0		3/13/2019
1,1,1,2-Tetrachloroethane	ND		0.50	µg/L	1.0		3/13/2019
m,p-Xylene	ND		0.50	µg/L	1.0		3/13/2019
o-Xylene	ND		0.50	µg/L	1.0		3/13/2019
Bromoform	ND		0.50	µg/L	1.0		3/13/2019
Styrene	ND		0.50	µg/L	1.0		3/13/2019
Isopropylbenzene	ND		0.50	µg/L	1.0		3/13/2019
Bromobenzene	ND		0.50	µg/L	1.0		3/13/2019
n-Propylbenzene	ND		0.50	µg/L	1.0		3/13/2019
1,1,2,2-Tetrachloroethane	ND		0.50	µg/L	1.0		3/13/2019

Date: 15-Mar-2019

WorkOrder: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-04 HYD 5175 Country Club 1st Dr

Received: 3/9/2019

Lab ID: 1903187-04A

Collected: 3/8/2019 9:00

2-Chlorotoluene	ND	0.50	µg/L	1.0	3/13/2019
1,2,3-Trichloropropane	ND	0.50	µg/L	1.0	3/13/2019
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1.0	3/13/2019
4-Chlorotoluene	ND	0.50	µg/L	1.0	3/13/2019
tert-Butylbenzene	ND	0.50	µg/L	1.0	3/13/2019
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1.0	3/13/2019
sec-Butylbenzene	ND	0.50	µg/L	1.0	3/13/2019
p-Isopropyltoluene	ND	0.50	µg/L	1.0	3/13/2019
1,3-Dichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
1,4-Dichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
n-Butylbenzene	ND	0.50	µg/L	1.0	3/13/2019
1,2-Dichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
Hexachlorobutadiene	ND	0.50	µg/L	1.0	3/13/2019
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
Naphthalene	ND	0.50	µg/L	1.0	3/13/2019
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
Surrogate: 1,2-Dichlorobenzene-d4	103	70-130	% Rec	1.0	3/13/2019
Surrogate: Dibromofluoromethane	102	70-130	% Rec	1.0	3/13/2019

Date: 15-Mar-2019

WorkOrder: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-05 HYD 5175 Country Club 2nd Dr

Received: 3/9/2019

Lab ID: 1903187-05A

Collected: 3/8/2019 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		3/13/2019
Chloromethane	ND		0.50	µg/L	1.0		3/13/2019
Vinyl Chloride	ND		0.50	µg/L	1.0		3/13/2019
Bromomethane	ND		0.50	µg/L	1.0		3/13/2019
Chloroethane	ND		0.50	µg/L	1.0		3/13/2019
Trichlorofluoromethane	ND		0.50	µg/L	1.0		3/13/2019
1,1-Dichloroethene	ND		0.50	µg/L	1.0		3/13/2019
1,1,2-Trichlorotrifluoroethane	ND		0.50	µg/L	1.0		3/13/2019
Methylene Chloride	ND		0.50	µg/L	1.0		3/13/2019
trans-1,2-Dichloroethene	ND		0.50	µg/L	1.0		3/13/2019
Methyl tert-butyl ether (MTBE)	ND		3.0	µg/L	1.0		3/13/2019
Tert-butyl alcohol (TBA)	ND		15	µg/L	1.0		3/13/2019
Di-isopropyl ether (DIPE)	ND		3.0	µg/L	1.0		3/13/2019
1,1-Dichloroethane	ND		0.50	µg/L	1.0		3/13/2019
Ethyl tert-butyl ether (ETBE)	ND		3.0	µg/L	1.0		3/13/2019
cis-1,2-Dichloroethene	ND		0.50	µg/L	1.0		3/13/2019
2,2-Dichloropropane	ND		0.50	µg/L	1.0		3/13/2019
Bromochloromethane	ND		0.50	µg/L	1.0		3/13/2019
Chloroform	35		0.50	µg/L	1.0		3/13/2019
Carbon tetrachloride	ND		0.50	µg/L	1.0		3/13/2019
1,1,1-Trichloroethane	ND		0.50	µg/L	1.0		3/13/2019
1,1-Dichloropropene	ND		0.50	µg/L	1.0		3/13/2019
Benzene	22		0.50	µg/L	1.0		3/13/2019
1,2-Dichloroethane	ND		0.50	µg/L	1.0		3/13/2019
Tert-amyl methyl ether (TAME)	ND		3.0	µg/L	1.0		3/13/2019
Trichloroethene	ND		0.50	µg/L	1.0		3/13/2019
Dibromomethane	ND		0.50	µg/L	1.0		3/13/2019
1,2-Dichloropropane	ND		0.50	µg/L	1.0		3/13/2019
Bromodichloromethane	2.5		0.50	µg/L	1.0		3/13/2019
cis-1,3-Dichloropropene	ND		0.50	µg/L	1.0		3/13/2019
Toluene	5.3		0.50	µg/L	1.0		3/13/2019
Tetrachloroethene	ND		0.50	µg/L	1.0		3/13/2019
trans-1,3-Dichloropropene	ND		0.50	µg/L	1.0		3/13/2019
1,1,2-Trichloroethane	ND		0.50	µg/L	1.0		3/13/2019
Dibromochloromethane	ND		0.50	µg/L	1.0		3/13/2019
1,3-Dichloropropane	ND		0.50	µg/L	1.0		3/13/2019
Chlorobenzene	ND		0.50	µg/L	1.0		3/13/2019
Ethylbenzene	0.81		0.50	µg/L	1.0		3/13/2019
1,1,1,2-Tetrachloroethane	ND		0.50	µg/L	1.0		3/13/2019
m,p-Xylene	ND		0.50	µg/L	1.0		3/13/2019
o-Xylene	ND		0.50	µg/L	1.0		3/13/2019
Bromoform	ND		0.50	µg/L	1.0		3/13/2019
Styrene	ND		0.50	µg/L	1.0		3/13/2019
Isopropylbenzene	ND		0.50	µg/L	1.0		3/13/2019
Bromobenzene	ND		0.50	µg/L	1.0		3/13/2019
n-Propylbenzene	ND		0.50	µg/L	1.0		3/13/2019
1,1,2,2-Tetrachloroethane	ND		0.50	µg/L	1.0		3/13/2019

Date: 15-Mar-2019

WorkOrder: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-05 HYD 5175 Country Club 2nd Dr

Received: 3/9/2019

Lab ID: 1903187-05A

Collected: 3/8/2019 9:10

2-Chlorotoluene	ND	0.50	µg/L	1.0	3/13/2019
1,2,3-Trichloropropane	ND	0.50	µg/L	1.0	3/13/2019
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1.0	3/13/2019
4-Chlorotoluene	ND	0.50	µg/L	1.0	3/13/2019
tert-Butylbenzene	ND	0.50	µg/L	1.0	3/13/2019
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1.0	3/13/2019
sec-Butylbenzene	ND	0.50	µg/L	1.0	3/13/2019
p-Isopropyltoluene	ND	0.50	µg/L	1.0	3/13/2019
1,3-Dichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
1,4-Dichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
n-Butylbenzene	ND	0.50	µg/L	1.0	3/13/2019
1,2-Dichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
Hexachlorobutadiene	ND	0.50	µg/L	1.0	3/13/2019
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
Naphthalene	ND	0.50	µg/L	1.0	3/13/2019
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
Surrogate: 1,2-Dichlorobenzene-d4	102	70-130	% Rec	1.0	3/13/2019
Surrogate: Dibromofluoromethane	102	70-130	% Rec	1.0	3/13/2019

Date: 15-Mar-2019

WorkOrder: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-06 2379 Joseph Cr

Received: 3/9/2019

Lab ID: 1903187-06A

Collected: 3/8/2019 9:30

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		3/13/2019
Chloromethane	ND		0.50	µg/L	1.0		3/13/2019
Vinyl Chloride	ND		0.50	µg/L	1.0		3/13/2019
Bromomethane	ND		0.50	µg/L	1.0		3/13/2019
Chloroethane	ND		0.50	µg/L	1.0		3/13/2019
Trichlorofluoromethane	ND		0.50	µg/L	1.0		3/13/2019
1,1-Dichloroethene	ND		0.50	µg/L	1.0		3/13/2019
1,1,2-Trichlorotrifluoroethane	ND		0.50	µg/L	1.0		3/13/2019
Methylene Chloride	ND		0.50	µg/L	1.0		3/13/2019
trans-1,2-Dichloroethene	ND		0.50	µg/L	1.0		3/13/2019
Methyl tert-butyl ether (MTBE)	ND		3.0	µg/L	1.0		3/13/2019
Tert-butyl alcohol (TBA)	ND		15	µg/L	1.0		3/13/2019
Di-isopropyl ether (DIPE)	ND		3.0	µg/L	1.0		3/13/2019
1,1-Dichloroethane	ND		0.50	µg/L	1.0		3/13/2019
Ethyl tert-butyl ether (ETBE)	ND		3.0	µg/L	1.0		3/13/2019
cis-1,2-Dichloroethene	ND		0.50	µg/L	1.0		3/13/2019
2,2-Dichloropropane	ND		0.50	µg/L	1.0		3/13/2019
Bromochloromethane	ND		0.50	µg/L	1.0		3/13/2019
Chloroform	38		0.50	µg/L	1.0		3/13/2019
Carbon tetrachloride	ND		0.50	µg/L	1.0		3/13/2019
1,1,1-Trichloroethane	ND		0.50	µg/L	1.0		3/13/2019
1,1-Dichloropropene	ND		0.50	µg/L	1.0		3/13/2019
Benzene	0.98		0.50	µg/L	1.0		3/13/2019
1,2-Dichloroethane	ND		0.50	µg/L	1.0		3/13/2019
Tert-amyl methyl ether (TAME)	ND		3.0	µg/L	1.0		3/13/2019
Trichloroethene	ND		0.50	µg/L	1.0		3/13/2019
Dibromomethane	ND		0.50	µg/L	1.0		3/13/2019
1,2-Dichloropropane	ND		0.50	µg/L	1.0		3/13/2019
Bromodichloromethane	2.5		0.50	µg/L	1.0		3/13/2019
cis-1,3-Dichloropropene	ND		0.50	µg/L	1.0		3/13/2019
Toluene	ND		0.50	µg/L	1.0		3/13/2019
Tetrachloroethene	ND		0.50	µg/L	1.0		3/13/2019
trans-1,3-Dichloropropene	ND		0.50	µg/L	1.0		3/13/2019
1,1,2-Trichloroethane	ND		0.50	µg/L	1.0		3/13/2019
Dibromochloromethane	ND		0.50	µg/L	1.0		3/13/2019
1,3-Dichloropropane	ND		0.50	µg/L	1.0		3/13/2019
Chlorobenzene	ND		0.50	µg/L	1.0		3/13/2019
Ethylbenzene	ND		0.50	µg/L	1.0		3/13/2019
1,1,1,2-Tetrachloroethane	ND		0.50	µg/L	1.0		3/13/2019
m,p-Xylene	ND		0.50	µg/L	1.0		3/13/2019
o-Xylene	ND		0.50	µg/L	1.0		3/13/2019
Bromoform	ND		0.50	µg/L	1.0		3/13/2019
Styrene	ND		0.50	µg/L	1.0		3/13/2019
Isopropylbenzene	ND		0.50	µg/L	1.0		3/13/2019
Bromobenzene	ND		0.50	µg/L	1.0		3/13/2019
n-Propylbenzene	ND		0.50	µg/L	1.0		3/13/2019
1,1,2,2-Tetrachloroethane	ND		0.50	µg/L	1.0		3/13/2019

Date: 15-Mar-2019

WorkOrder: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-06 2379 Joseph Cr

Received: 3/9/2019

Lab ID: 1903187-06A

Collected: 3/8/2019 9:30

2-Chlorotoluene	ND	0.50	µg/L	1.0	3/13/2019
1,2,3-Trichloropropane	ND	0.50	µg/L	1.0	3/13/2019
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1.0	3/13/2019
4-Chlorotoluene	ND	0.50	µg/L	1.0	3/13/2019
tert-Butylbenzene	ND	0.50	µg/L	1.0	3/13/2019
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1.0	3/13/2019
sec-Butylbenzene	ND	0.50	µg/L	1.0	3/13/2019
p-Isopropyltoluene	ND	0.50	µg/L	1.0	3/13/2019
1,3-Dichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
1,4-Dichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
n-Butylbenzene	ND	0.50	µg/L	1.0	3/13/2019
1,2-Dichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
Hexachlorobutadiene	ND	0.50	µg/L	1.0	3/13/2019
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
Naphthalene	ND	0.50	µg/L	1.0	3/13/2019
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
Surrogate: 1,2-Dichlorobenzene-d4	103	70-130	% Rec	1.0	3/13/2019
Surrogate: Dibromofluoromethane	100	70-130	% Rec	1.0	3/13/2019

Date: 15-Mar-2019

WorkOrder: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-07 2371 Joseph Cr

Received: 3/9/2019

Lab ID: 1903187-07A

Collected: 3/8/2019 9:40

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		3/13/2019
Chloromethane	ND		0.50	µg/L	1.0		3/13/2019
Vinyl Chloride	ND		0.50	µg/L	1.0		3/13/2019
Bromomethane	ND		0.50	µg/L	1.0		3/13/2019
Chloroethane	ND		0.50	µg/L	1.0		3/13/2019
Trichlorofluoromethane	ND		0.50	µg/L	1.0		3/13/2019
1,1-Dichloroethene	ND		0.50	µg/L	1.0		3/13/2019
1,1,2-Trichlorotrifluoroethane	ND		0.50	µg/L	1.0		3/13/2019
Methylene Chloride	ND		0.50	µg/L	1.0		3/13/2019
trans-1,2-Dichloroethene	ND		0.50	µg/L	1.0		3/13/2019
Methyl tert-butyl ether (MTBE)	ND		3.0	µg/L	1.0		3/13/2019
Tert-butyl alcohol (TBA)	ND		15	µg/L	1.0		3/13/2019
Di-isopropyl ether (DIPE)	ND		3.0	µg/L	1.0		3/13/2019
1,1-Dichloroethane	ND		0.50	µg/L	1.0		3/13/2019
Ethyl tert-butyl ether (ETBE)	ND		3.0	µg/L	1.0		3/13/2019
cis-1,2-Dichloroethene	ND		0.50	µg/L	1.0		3/13/2019
2,2-Dichloropropane	ND		0.50	µg/L	1.0		3/13/2019
Bromochloromethane	ND		0.50	µg/L	1.0		3/13/2019
Chloroform	43		0.50	µg/L	1.0		3/13/2019
Carbon tetrachloride	ND		0.50	µg/L	1.0		3/13/2019
1,1,1-Trichloroethane	ND		0.50	µg/L	1.0		3/13/2019
1,1-Dichloropropene	ND		0.50	µg/L	1.0		3/13/2019
Benzene	2.0		0.50	µg/L	1.0		3/13/2019
1,2-Dichloroethane	ND		0.50	µg/L	1.0		3/13/2019
Tert-amyl methyl ether (TAME)	ND		3.0	µg/L	1.0		3/13/2019
Trichloroethene	ND		0.50	µg/L	1.0		3/13/2019
Dibromomethane	ND		0.50	µg/L	1.0		3/13/2019
1,2-Dichloropropane	ND		0.50	µg/L	1.0		3/13/2019
Bromodichloromethane	2.8		0.50	µg/L	1.0		3/13/2019
cis-1,3-Dichloropropene	ND		0.50	µg/L	1.0		3/13/2019
Toluene	0.71		0.50	µg/L	1.0		3/13/2019
Tetrachloroethene	ND		0.50	µg/L	1.0		3/13/2019
trans-1,3-Dichloropropene	ND		0.50	µg/L	1.0		3/13/2019
1,1,2-Trichloroethane	ND		0.50	µg/L	1.0		3/13/2019
Dibromochloromethane	ND		0.50	µg/L	1.0		3/13/2019
1,3-Dichloropropane	ND		0.50	µg/L	1.0		3/13/2019
Chlorobenzene	ND		0.50	µg/L	1.0		3/13/2019
Ethylbenzene	ND		0.50	µg/L	1.0		3/13/2019
1,1,1,2-Tetrachloroethane	ND		0.50	µg/L	1.0		3/13/2019
m,p-Xylene	ND		0.50	µg/L	1.0		3/13/2019
o-Xylene	ND		0.50	µg/L	1.0		3/13/2019
Bromoform	ND		0.50	µg/L	1.0		3/13/2019
Styrene	ND		0.50	µg/L	1.0		3/13/2019
Isopropylbenzene	ND		0.50	µg/L	1.0		3/13/2019
Bromobenzene	ND		0.50	µg/L	1.0		3/13/2019
n-Propylbenzene	ND		0.50	µg/L	1.0		3/13/2019
1,1,2,2-Tetrachloroethane	ND		0.50	µg/L	1.0		3/13/2019

Date: 15-Mar-2019

WorkOrder: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-07 2371 Joseph Cr

Received: 3/9/2019

Lab ID: 1903187-07A

Collected: 3/8/2019 9:40

2-Chlorotoluene	ND	0.50	µg/L	1.0	3/13/2019
1,2,3-Trichloropropane	ND	0.50	µg/L	1.0	3/13/2019
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1.0	3/13/2019
4-Chlorotoluene	ND	0.50	µg/L	1.0	3/13/2019
tert-Butylbenzene	ND	0.50	µg/L	1.0	3/13/2019
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1.0	3/13/2019
sec-Butylbenzene	ND	0.50	µg/L	1.0	3/13/2019
p-Isopropyltoluene	ND	0.50	µg/L	1.0	3/13/2019
1,3-Dichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
1,4-Dichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
n-Butylbenzene	ND	0.50	µg/L	1.0	3/13/2019
1,2-Dichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
Hexachlorobutadiene	ND	0.50	µg/L	1.0	3/13/2019
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
Naphthalene	ND	0.50	µg/L	1.0	3/13/2019
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
Surrogate: 1,2-Dichlorobenzene-d4	102	70-130	% Rec	1.0	3/13/2019
Surrogate: Dibromofluoromethane	102	70-130	% Rec	1.0	3/13/2019

Date: 15-Mar-2019

WorkOrder: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-08 2374 Joseph Cr

Received: 3/9/2019

Lab ID: 1903187-08A

Collected: 3/8/2019 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		3/13/2019
Chloromethane	ND		0.50	µg/L	1.0		3/13/2019
Vinyl Chloride	ND		0.50	µg/L	1.0		3/13/2019
Bromomethane	ND		0.50	µg/L	1.0		3/13/2019
Chloroethane	ND		0.50	µg/L	1.0		3/13/2019
Trichlorofluoromethane	ND		0.50	µg/L	1.0		3/13/2019
1,1-Dichloroethene	ND		0.50	µg/L	1.0		3/13/2019
1,1,2-Trichlorotrifluoroethane	ND		0.50	µg/L	1.0		3/13/2019
Methylene Chloride	ND		0.50	µg/L	1.0		3/13/2019
trans-1,2-Dichloroethene	ND		0.50	µg/L	1.0		3/13/2019
Methyl tert-butyl ether (MTBE)	ND		3.0	µg/L	1.0		3/13/2019
Tert-butyl alcohol (TBA)	ND		15	µg/L	1.0		3/13/2019
Di-isopropyl ether (DIPE)	ND		3.0	µg/L	1.0		3/13/2019
1,1-Dichloroethane	ND		0.50	µg/L	1.0		3/13/2019
Ethyl tert-butyl ether (ETBE)	ND		3.0	µg/L	1.0		3/13/2019
cis-1,2-Dichloroethene	ND		0.50	µg/L	1.0		3/13/2019
2,2-Dichloropropane	ND		0.50	µg/L	1.0		3/13/2019
Bromochloromethane	ND		0.50	µg/L	1.0		3/13/2019
Chloroform	39		0.50	µg/L	1.0		3/13/2019
Carbon tetrachloride	ND		0.50	µg/L	1.0		3/13/2019
1,1,1-Trichloroethane	ND		0.50	µg/L	1.0		3/13/2019
1,1-Dichloropropene	ND		0.50	µg/L	1.0		3/13/2019
Benzene	5.0		0.50	µg/L	1.0		3/13/2019
1,2-Dichloroethane	ND		0.50	µg/L	1.0		3/13/2019
Tert-amyl methyl ether (TAME)	ND		3.0	µg/L	1.0		3/13/2019
Trichloroethene	ND		0.50	µg/L	1.0		3/13/2019
Dibromomethane	ND		0.50	µg/L	1.0		3/13/2019
1,2-Dichloropropane	ND		0.50	µg/L	1.0		3/13/2019
Bromodichloromethane	2.3		0.50	µg/L	1.0		3/13/2019
cis-1,3-Dichloropropene	ND		0.50	µg/L	1.0		3/13/2019
Toluene	0.66		0.50	µg/L	1.0		3/13/2019
Tetrachloroethene	ND		0.50	µg/L	1.0		3/13/2019
trans-1,3-Dichloropropene	ND		0.50	µg/L	1.0		3/13/2019
1,1,2-Trichloroethane	ND		0.50	µg/L	1.0		3/13/2019
Dibromochloromethane	ND		0.50	µg/L	1.0		3/13/2019
1,3-Dichloropropane	ND		0.50	µg/L	1.0		3/13/2019
Chlorobenzene	ND		0.50	µg/L	1.0		3/13/2019
Ethylbenzene	ND		0.50	µg/L	1.0		3/13/2019
1,1,1,2-Tetrachloroethane	ND		0.50	µg/L	1.0		3/13/2019
m,p-Xylene	ND		0.50	µg/L	1.0		3/13/2019
o-Xylene	ND		0.50	µg/L	1.0		3/13/2019
Bromoform	ND		0.50	µg/L	1.0		3/13/2019
Styrene	ND		0.50	µg/L	1.0		3/13/2019
Isopropylbenzene	ND		0.50	µg/L	1.0		3/13/2019
Bromobenzene	ND		0.50	µg/L	1.0		3/13/2019
n-Propylbenzene	ND		0.50	µg/L	1.0		3/13/2019
1,1,2,2-Tetrachloroethane	ND		0.50	µg/L	1.0		3/13/2019

Date: 15-Mar-2019

WorkOrder: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-08 2374 Joseph Cr

Received: 3/9/2019

Lab ID: 1903187-08A

Collected: 3/8/2019 9:50

2-Chlorotoluene	ND	0.50	µg/L	1.0	3/13/2019
1,2,3-Trichloropropane	ND	0.50	µg/L	1.0	3/13/2019
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1.0	3/13/2019
4-Chlorotoluene	ND	0.50	µg/L	1.0	3/13/2019
tert-Butylbenzene	ND	0.50	µg/L	1.0	3/13/2019
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1.0	3/13/2019
sec-Butylbenzene	ND	0.50	µg/L	1.0	3/13/2019
p-Isopropyltoluene	ND	0.50	µg/L	1.0	3/13/2019
1,3-Dichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
1,4-Dichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
n-Butylbenzene	ND	0.50	µg/L	1.0	3/13/2019
1,2-Dichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
Hexachlorobutadiene	ND	0.50	µg/L	1.0	3/13/2019
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
Naphthalene	ND	0.50	µg/L	1.0	3/13/2019
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1.0	3/13/2019
Surrogate: 1,2-Dichlorobenzene-d4	103	70-130	% Rec	1.0	3/13/2019
Surrogate: Dibromofluoromethane	99.0	70-130	% Rec	1.0	3/13/2019

Date: 15-Mar-2019

WorkOrder: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-09 2363 Joseph Cr

Received: 3/9/2019

Lab ID: 1903187-09A

Collected: 3/8/2004 10:00

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
Chloroform	40		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	4.6		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
Bromodichloromethane	2.7		0.50	µg/L	1.0		3/12/2019
cis-1,3-Dichloropropene	ND		0.50	µg/L	1.0		3/12/2019
Toluene	1.6		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: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-09 2363 Joseph Cr

Received: 3/9/2019

Lab ID: 1903187-09A

Collected: 3/8/2004 10:00

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
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: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-10 2361 Joseph Cr

Received: 3/9/2019

Lab ID: 1903187-10A

Collected: 3/8/2019 10:25

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		3/14/2019
Chloromethane	6.2		0.50	µg/L	1.0		3/14/2019
Vinyl Chloride	0.65		0.50	µg/L	1.0		3/14/2019
Bromomethane	ND		0.50	µg/L	1.0		3/14/2019
Chloroethane	ND		0.50	µg/L	1.0		3/14/2019
Trichlorofluoromethane	ND		0.50	µg/L	1.0		3/14/2019
1,1-Dichloroethene	ND		0.50	µg/L	1.0		3/14/2019
1,1,2-Trichlorotrifluoroethane	ND		0.50	µg/L	1.0		3/14/2019
Methylene Chloride	ND		0.50	µg/L	1.0		3/14/2019
trans-1,2-Dichloroethene	ND		0.50	µg/L	1.0		3/14/2019
Methyl tert-butyl ether (MTBE)	ND		3.0	µg/L	1.0		3/14/2019
Tert-butyl alcohol (TBA)	ND		15	µg/L	1.0		3/14/2019
Di-isopropyl ether (DIPE)	ND		3.0	µg/L	1.0		3/14/2019
1,1-Dichloroethane	ND		0.50	µg/L	1.0		3/14/2019
Ethyl tert-butyl ether (ETBE)	ND		3.0	µg/L	1.0		3/14/2019
cis-1,2-Dichloroethene	ND		0.50	µg/L	1.0		3/14/2019
2,2-Dichloropropane	ND		0.50	µg/L	1.0		3/14/2019
Bromochloromethane	ND		0.50	µg/L	1.0		3/14/2019
Chloroform	40		0.50	µg/L	1.0		3/14/2019
Carbon tetrachloride	ND		0.50	µg/L	1.0		3/14/2019
1,1,1-Trichloroethane	ND		0.50	µg/L	1.0		3/14/2019
1,1-Dichloropropene	ND		0.50	µg/L	1.0		3/14/2019
Benzene	180		5.0	µg/L	10		3/14/2019
1,2-Dichloroethane	ND		0.50	µg/L	1.0		3/14/2019
Tert-amyl methyl ether (TAME)	ND		3.0	µg/L	1.0		3/14/2019
Trichloroethene	ND		0.50	µg/L	1.0		3/14/2019
Dibromomethane	ND		0.50	µg/L	1.0		3/14/2019
1,2-Dichloropropane	ND		0.50	µg/L	1.0		3/14/2019
Bromodichloromethane	2.8		0.50	µg/L	1.0		3/14/2019
cis-1,3-Dichloropropene	ND		0.50	µg/L	1.0		3/14/2019
Toluene	41		0.50	µg/L	1.0		3/14/2019
Tetrachloroethene	ND		0.50	µg/L	1.0		3/14/2019
trans-1,3-Dichloropropene	ND		0.50	µg/L	1.0		3/14/2019
1,1,2-Trichloroethane	ND		0.50	µg/L	1.0		3/14/2019
Dibromochloromethane	ND		0.50	µg/L	1.0		3/14/2019
1,3-Dichloropropane	ND		0.50	µg/L	1.0		3/14/2019
Chlorobenzene	0.90		0.50	µg/L	1.0		3/14/2019
Ethylbenzene	4.4		0.50	µg/L	1.0		3/14/2019
1,1,1,2-Tetrachloroethane	ND		0.50	µg/L	1.0		3/14/2019
m,p-Xylene	1.7		0.50	µg/L	1.0		3/14/2019
o-Xylene	1.3		0.50	µg/L	1.0		3/14/2019
Bromoform	ND		0.50	µg/L	1.0		3/14/2019
Styrene	13		0.50	µg/L	1.0		3/14/2019
Isopropylbenzene	ND		0.50	µg/L	1.0		3/14/2019
Bromobenzene	ND		0.50	µg/L	1.0		3/14/2019
n-Propylbenzene	ND		0.50	µg/L	1.0		3/14/2019
1,1,2,2-Tetrachloroethane	ND		0.50	µg/L	1.0		3/14/2019

Date: 15-Mar-2019

WorkOrder: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-10 2361 Joseph Cr

Received: 3/9/2019

Lab ID: 1903187-10A

Collected: 3/8/2019 10:25

2-Chlorotoluene	ND	0.50	µg/L	1.0	3/14/2019
1,2,3-Trichloropropane	ND	0.50	µg/L	1.0	3/14/2019
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1.0	3/14/2019
4-Chlorotoluene	ND	0.50	µg/L	1.0	3/14/2019
tert-Butylbenzene	ND	0.50	µg/L	1.0	3/14/2019
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1.0	3/14/2019
sec-Butylbenzene	ND	0.50	µg/L	1.0	3/14/2019
p-Isopropyltoluene	ND	0.50	µg/L	1.0	3/14/2019
1,3-Dichlorobenzene	ND	0.50	µg/L	1.0	3/14/2019
1,4-Dichlorobenzene	ND	0.50	µg/L	1.0	3/14/2019
n-Butylbenzene	ND	0.50	µg/L	1.0	3/14/2019
1,2-Dichlorobenzene	ND	0.50	µg/L	1.0	3/14/2019
Hexachlorobutadiene	ND	0.50	µg/L	1.0	3/14/2019
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1.0	3/14/2019
Naphthalene	3.3	0.50	µg/L	1.0	3/14/2019
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1.0	3/14/2019
Surrogate: 1,2-Dichlorobenzene-d4	103	70-130	% Rec	1.0	3/14/2019
Surrogate: Dibromofluoromethane	101	70-130	% Rec	1.0	3/14/2019

Date: 15-Mar-2019

WorkOrder: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-11 2364 Joseph Ct

Received: 3/9/2019

Lab ID: 1903187-11A

Collected: 3/8/2019 10:30

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		3/14/2019
Chloromethane	ND		0.50	µg/L	1.0		3/14/2019
Vinyl Chloride	ND		0.50	µg/L	1.0		3/14/2019
Bromomethane	ND		0.50	µg/L	1.0		3/14/2019
Chloroethane	ND		0.50	µg/L	1.0		3/14/2019
Trichlorofluoromethane	ND		0.50	µg/L	1.0		3/14/2019
1,1-Dichloroethene	ND		0.50	µg/L	1.0		3/14/2019
1,1,2-Trichlorotrifluoroethane	ND		0.50	µg/L	1.0		3/14/2019
Methylene Chloride	ND		0.50	µg/L	1.0		3/14/2019
trans-1,2-Dichloroethene	ND		0.50	µg/L	1.0		3/14/2019
Methyl tert-butyl ether (MTBE)	ND		3.0	µg/L	1.0		3/14/2019
Tert-butyl alcohol (TBA)	ND		15	µg/L	1.0		3/14/2019
Di-isopropyl ether (DIPE)	ND		3.0	µg/L	1.0		3/14/2019
1,1-Dichloroethane	ND		0.50	µg/L	1.0		3/14/2019
Ethyl tert-butyl ether (ETBE)	ND		3.0	µg/L	1.0		3/14/2019
cis-1,2-Dichloroethene	ND		0.50	µg/L	1.0		3/14/2019
2,2-Dichloropropane	ND		0.50	µg/L	1.0		3/14/2019
Bromochloromethane	ND		0.50	µg/L	1.0		3/14/2019
Chloroform	36		0.50	µg/L	1.0		3/14/2019
Carbon tetrachloride	ND		0.50	µg/L	1.0		3/14/2019
1,1,1-Trichloroethane	ND		0.50	µg/L	1.0		3/14/2019
1,1-Dichloropropene	ND		0.50	µg/L	1.0		3/14/2019
Benzene	5.7		0.50	µg/L	1.0		3/14/2019
1,2-Dichloroethane	ND		0.50	µg/L	1.0		3/14/2019
Tert-amyl methyl ether (TAME)	ND		3.0	µg/L	1.0		3/14/2019
Trichloroethene	ND		0.50	µg/L	1.0		3/14/2019
Dibromomethane	ND		0.50	µg/L	1.0		3/14/2019
1,2-Dichloropropane	ND		0.50	µg/L	1.0		3/14/2019
Bromodichloromethane	2.6		0.50	µg/L	1.0		3/14/2019
cis-1,3-Dichloropropene	ND		0.50	µg/L	1.0		3/14/2019
Toluene	1.4		0.50	µg/L	1.0		3/14/2019
Tetrachloroethene	ND		0.50	µg/L	1.0		3/14/2019
trans-1,3-Dichloropropene	ND		0.50	µg/L	1.0		3/14/2019
1,1,2-Trichloroethane	ND		0.50	µg/L	1.0		3/14/2019
Dibromochloromethane	ND		0.50	µg/L	1.0		3/14/2019
1,3-Dichloropropane	ND		0.50	µg/L	1.0		3/14/2019
Chlorobenzene	ND		0.50	µg/L	1.0		3/14/2019
Ethylbenzene	ND		0.50	µg/L	1.0		3/14/2019
1,1,1,2-Tetrachloroethane	ND		0.50	µg/L	1.0		3/14/2019
m,p-Xylene	ND		0.50	µg/L	1.0		3/14/2019
o-Xylene	ND		0.50	µg/L	1.0		3/14/2019
Bromoform	ND		0.50	µg/L	1.0		3/14/2019
Styrene	ND		0.50	µg/L	1.0		3/14/2019
Isopropylbenzene	ND		0.50	µg/L	1.0		3/14/2019
Bromobenzene	ND		0.50	µg/L	1.0		3/14/2019
n-Propylbenzene	ND		0.50	µg/L	1.0		3/14/2019
1,1,2,2-Tetrachloroethane	ND		0.50	µg/L	1.0		3/14/2019

Date: 15-Mar-2019

WorkOrder: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-11 2364 Joseph Ct

Received: 3/9/2019

Lab ID: 1903187-11A

Collected: 3/8/2019 10:30

2-Chlorotoluene	ND	0.50	µg/L	1.0	3/14/2019
1,2,3-Trichloropropane	ND	0.50	µg/L	1.0	3/14/2019
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1.0	3/14/2019
4-Chlorotoluene	ND	0.50	µg/L	1.0	3/14/2019
tert-Butylbenzene	ND	0.50	µg/L	1.0	3/14/2019
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1.0	3/14/2019
sec-Butylbenzene	ND	0.50	µg/L	1.0	3/14/2019
p-Isopropyltoluene	ND	0.50	µg/L	1.0	3/14/2019
1,3-Dichlorobenzene	ND	0.50	µg/L	1.0	3/14/2019
1,4-Dichlorobenzene	ND	0.50	µg/L	1.0	3/14/2019
n-Butylbenzene	ND	0.50	µg/L	1.0	3/14/2019
1,2-Dichlorobenzene	ND	0.50	µg/L	1.0	3/14/2019
Hexachlorobutadiene	ND	0.50	µg/L	1.0	3/14/2019
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1.0	3/14/2019
Naphthalene	0.78	0.50	µg/L	1.0	3/14/2019
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1.0	3/14/2019
Surrogate: 1,2-Dichlorobenzene-d4	102	70-130	% Rec	1.0	3/14/2019
Surrogate: Dibromofluoromethane	102	70-130	% Rec	1.0	3/14/2019

Date: 15-Mar-2019

WorkOrder: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-12 2358 Joseph Ct

Received: 3/9/2019

Lab ID: 1903187-12A

Collected: 3/8/2019 10:40

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		3/14/2019
Chloromethane	0.56		0.50	µg/L	1.0		3/14/2019
Vinyl Chloride	ND		0.50	µg/L	1.0		3/14/2019
Bromomethane	ND		0.50	µg/L	1.0		3/14/2019
Chloroethane	ND		0.50	µg/L	1.0		3/14/2019
Trichlorofluoromethane	ND		0.50	µg/L	1.0		3/14/2019
1,1-Dichloroethene	ND		0.50	µg/L	1.0		3/14/2019
1,1,2-Trichlorotrifluoroethane	ND		0.50	µg/L	1.0		3/14/2019
Methylene Chloride	ND		0.50	µg/L	1.0		3/14/2019
trans-1,2-Dichloroethene	ND		0.50	µg/L	1.0		3/14/2019
Methyl tert-butyl ether (MTBE)	ND		3.0	µg/L	1.0		3/14/2019
Tert-butyl alcohol (TBA)	ND		15	µg/L	1.0		3/14/2019
Di-isopropyl ether (DIPE)	ND		3.0	µg/L	1.0		3/14/2019
1,1-Dichloroethane	ND		0.50	µg/L	1.0		3/14/2019
Ethyl tert-butyl ether (ETBE)	ND		3.0	µg/L	1.0		3/14/2019
cis-1,2-Dichloroethene	ND		0.50	µg/L	1.0		3/14/2019
2,2-Dichloropropane	ND		0.50	µg/L	1.0		3/14/2019
Bromochloromethane	ND		0.50	µg/L	1.0		3/14/2019
Chloroform	36		0.50	µg/L	1.0		3/14/2019
Carbon tetrachloride	ND		0.50	µg/L	1.0		3/14/2019
1,1,1-Trichloroethane	ND		0.50	µg/L	1.0		3/14/2019
1,1-Dichloropropene	ND		0.50	µg/L	1.0		3/14/2019
Benzene	6.2		0.50	µg/L	1.0		3/14/2019
1,2-Dichloroethane	ND		0.50	µg/L	1.0		3/14/2019
Tert-amyl methyl ether (TAME)	ND		3.0	µg/L	1.0		3/14/2019
Trichloroethene	ND		0.50	µg/L	1.0		3/14/2019
Dibromomethane	ND		0.50	µg/L	1.0		3/14/2019
1,2-Dichloropropane	ND		0.50	µg/L	1.0		3/14/2019
Bromodichloromethane	2.5		0.50	µg/L	1.0		3/14/2019
cis-1,3-Dichloropropene	ND		0.50	µg/L	1.0		3/14/2019
Toluene	1.5		0.50	µg/L	1.0		3/14/2019
Tetrachloroethene	ND		0.50	µg/L	1.0		3/14/2019
trans-1,3-Dichloropropene	ND		0.50	µg/L	1.0		3/14/2019
1,1,2-Trichloroethane	ND		0.50	µg/L	1.0		3/14/2019
Dibromochloromethane	ND		0.50	µg/L	1.0		3/14/2019
1,3-Dichloropropane	ND		0.50	µg/L	1.0		3/14/2019
Chlorobenzene	ND		0.50	µg/L	1.0		3/14/2019
Ethylbenzene	ND		0.50	µg/L	1.0		3/14/2019
1,1,1,2-Tetrachloroethane	ND		0.50	µg/L	1.0		3/14/2019
m,p-Xylene	ND		0.50	µg/L	1.0		3/14/2019
o-Xylene	ND		0.50	µg/L	1.0		3/14/2019
Bromoform	ND		0.50	µg/L	1.0		3/14/2019
Styrene	ND		0.50	µg/L	1.0		3/14/2019
Isopropylbenzene	ND		0.50	µg/L	1.0		3/14/2019
Bromobenzene	ND		0.50	µg/L	1.0		3/14/2019
n-Propylbenzene	ND		0.50	µg/L	1.0		3/14/2019
1,1,2,2-Tetrachloroethane	ND		0.50	µg/L	1.0		3/14/2019

Date: 15-Mar-2019

WorkOrder: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-12 2358 Joseph Ct

Received: 3/9/2019

Lab ID: 1903187-12A

Collected: 3/8/2019 10:40

2-Chlorotoluene	ND	0.50	µg/L	1.0	3/14/2019
1,2,3-Trichloropropane	ND	0.50	µg/L	1.0	3/14/2019
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1.0	3/14/2019
4-Chlorotoluene	ND	0.50	µg/L	1.0	3/14/2019
tert-Butylbenzene	ND	0.50	µg/L	1.0	3/14/2019
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1.0	3/14/2019
sec-Butylbenzene	ND	0.50	µg/L	1.0	3/14/2019
p-Isopropyltoluene	ND	0.50	µg/L	1.0	3/14/2019
1,3-Dichlorobenzene	ND	0.50	µg/L	1.0	3/14/2019
1,4-Dichlorobenzene	ND	0.50	µg/L	1.0	3/14/2019
n-Butylbenzene	ND	0.50	µg/L	1.0	3/14/2019
1,2-Dichlorobenzene	ND	0.50	µg/L	1.0	3/14/2019
Hexachlorobutadiene	ND	0.50	µg/L	1.0	3/14/2019
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1.0	3/14/2019
Naphthalene	0.65	0.50	µg/L	1.0	3/14/2019
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1.0	3/14/2019
Surrogate: 1,2-Dichlorobenzene-d4	101	70-130	% Rec	1.0	3/14/2019
Surrogate: Dibromofluoromethane	101	70-130	% Rec	1.0	3/14/2019

Date: 15-Mar-2019

WorkOrder: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-13 Blow Off Joseph Ct

Received: 3/9/2019

Lab ID: 1903187-13A

Collected: 3/8/2019 10:45

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		3/14/2019
Chloromethane	1.0		0.50	µg/L	1.0		3/14/2019
Vinyl Chloride	ND		0.50	µg/L	1.0		3/14/2019
Bromomethane	ND		0.50	µg/L	1.0		3/14/2019
Chloroethane	ND		0.50	µg/L	1.0		3/14/2019
Trichlorofluoromethane	ND		0.50	µg/L	1.0		3/14/2019
1,1-Dichloroethene	ND		0.50	µg/L	1.0		3/14/2019
1,1,2-Trichlorotrifluoroethane	ND		0.50	µg/L	1.0		3/14/2019
Methylene Chloride	ND		0.50	µg/L	1.0		3/14/2019
trans-1,2-Dichloroethene	ND		0.50	µg/L	1.0		3/14/2019
Methyl tert-butyl ether (MTBE)	ND		3.0	µg/L	1.0		3/14/2019
Tert-butyl alcohol (TBA)	ND		15	µg/L	1.0		3/14/2019
Di-isopropyl ether (DIPE)	ND		3.0	µg/L	1.0		3/14/2019
1,1-Dichloroethane	ND		0.50	µg/L	1.0		3/14/2019
Ethyl tert-butyl ether (ETBE)	ND		3.0	µg/L	1.0		3/14/2019
cis-1,2-Dichloroethene	ND		0.50	µg/L	1.0		3/14/2019
2,2-Dichloropropane	ND		0.50	µg/L	1.0		3/14/2019
Bromochloromethane	ND		0.50	µg/L	1.0		3/14/2019
Chloroform	35		0.50	µg/L	1.0		3/14/2019
Carbon tetrachloride	ND		0.50	µg/L	1.0		3/14/2019
1,1,1-Trichloroethane	ND		0.50	µg/L	1.0		3/14/2019
1,1-Dichloropropene	ND		0.50	µg/L	1.0		3/14/2019
Benzene	17		0.50	µg/L	1.0		3/14/2019
1,2-Dichloroethane	ND		0.50	µg/L	1.0		3/14/2019
Tert-amyl methyl ether (TAME)	ND		3.0	µg/L	1.0		3/14/2019
Trichloroethene	ND		0.50	µg/L	1.0		3/14/2019
Dibromomethane	ND		0.50	µg/L	1.0		3/14/2019
1,2-Dichloropropane	ND		0.50	µg/L	1.0		3/14/2019
Bromodichloromethane	2.5		0.50	µg/L	1.0		3/14/2019
cis-1,3-Dichloropropene	ND		0.50	µg/L	1.0		3/14/2019
Toluene	4.1		0.50	µg/L	1.0		3/14/2019
Tetrachloroethene	ND		0.50	µg/L	1.0		3/14/2019
trans-1,3-Dichloropropene	ND		0.50	µg/L	1.0		3/14/2019
1,1,2-Trichloroethane	ND		0.50	µg/L	1.0		3/14/2019
Dibromochloromethane	ND		0.50	µg/L	1.0		3/14/2019
1,3-Dichloropropane	ND		0.50	µg/L	1.0		3/14/2019
Chlorobenzene	ND		0.50	µg/L	1.0		3/14/2019
Ethylbenzene	ND		0.50	µg/L	1.0		3/14/2019
1,1,1,2-Tetrachloroethane	ND		0.50	µg/L	1.0		3/14/2019
m,p-Xylene	ND		0.50	µg/L	1.0		3/14/2019
o-Xylene	ND		0.50	µg/L	1.0		3/14/2019
Bromoform	ND		0.50	µg/L	1.0		3/14/2019
Styrene	ND		0.50	µg/L	1.0		3/14/2019
Isopropylbenzene	ND		0.50	µg/L	1.0		3/14/2019
Bromobenzene	ND		0.50	µg/L	1.0		3/14/2019
n-Propylbenzene	ND		0.50	µg/L	1.0		3/14/2019
1,1,2,2-Tetrachloroethane	ND		0.50	µg/L	1.0		3/14/2019

Date: 15-Mar-2019

WorkOrder: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-13 Blow Off Joseph Ct

Received: 3/9/2019

Lab ID: 1903187-13A

Collected: 3/8/2019 10:45

2-Chlorotoluene	ND	0.50	µg/L	1.0	3/14/2019
1,2,3-Trichloropropane	ND	0.50	µg/L	1.0	3/14/2019
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1.0	3/14/2019
4-Chlorotoluene	ND	0.50	µg/L	1.0	3/14/2019
tert-Butylbenzene	ND	0.50	µg/L	1.0	3/14/2019
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1.0	3/14/2019
sec-Butylbenzene	ND	0.50	µg/L	1.0	3/14/2019
p-Isopropyltoluene	ND	0.50	µg/L	1.0	3/14/2019
1,3-Dichlorobenzene	ND	0.50	µg/L	1.0	3/14/2019
1,4-Dichlorobenzene	ND	0.50	µg/L	1.0	3/14/2019
n-Butylbenzene	ND	0.50	µg/L	1.0	3/14/2019
1,2-Dichlorobenzene	ND	0.50	µg/L	1.0	3/14/2019
Hexachlorobutadiene	ND	0.50	µg/L	1.0	3/14/2019
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1.0	3/14/2019
Naphthalene	0.59	0.50	µg/L	1.0	3/14/2019
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1.0	3/14/2019
Surrogate: 1,2-Dichlorobenzene-d4	102	70-130	% Rec	1.0	3/14/2019
Surrogate: Dibromofluoromethane	102	70-130	% Rec	1.0	3/14/2019

Date: 15-Mar-2019

WorkOrder: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-14 HYD 2213 Richmond Rd 1st Dr

Received: 3/9/2019

Lab ID: 1903187-14A

Collected: 3/8/2019 11:10

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
Chloroform	37		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
Bromodichloromethane	2.7		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: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-14 HYD 2213 Richmond Rd 1st Dr

Received: 3/9/2019

Lab ID: 1903187-14A

Collected: 3/8/2019 11:10

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

Date: 15-Mar-2019

WorkOrder: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-15 HYD 2213 Richmond Rd 2nd Dr

Received: 3/9/2019

Lab ID: 1903187-15A

Collected: 3/8/2019 11:20

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
Chloroform	38		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
Bromodichloromethane	2.9		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: 1903187

ANALYTICAL REPORT

Client Sample ID: GBC0364-15 HYD 2213 Richmond Rd 2nd Dr

Received: 3/9/2019

Lab ID: 1903187-15A

Collected: 3/8/2019 11:20

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	104	70-130	% Rec	1.0	3/12/2019
Surrogate: Dibromofluoromethane	104	70-130	% Rec	1.0	3/12/2019

North Coast Laboratories, Ltd.

Date: 3/15/2019

CLIENT: Cranmer Analytical Laboratory
Work Order: 1903187
Project: GBC0364

QC SUMMARY REPORT

Method Blank

Sample ID	MB 031219	Batch ID:	R98687	Test Code:	524W	Units:	µg/L	Analysis Date	3/12/2019 10:50:00 AM	Prep Date	
Client ID:		Run ID:	ORGCMS2_190311A	SeqNo:	1403514						
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 12

CLIENT: Cranmer Analytical Laboratory
Work Order: 1903187
Project: GBC0364

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

Page 2 of 12

CLIENT: Cranmer Analytical Laboratory**Work Order:** 1903187**Project:** GBC0364**QC SUMMARY REPORT**

Method Blank

1,2,3-Trichlorobenzene	ND	0.50						
Surrogate: Dibromofluoromethane	1.05	0.10	1.00	0	105%	70	130	0
Surrogate: 1,2-Dichlorobenzene-d4	0.999	0.10	1.00	0	99.9%	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

Page 3 of 12

CLIENT: Cranmer Analytical Laboratory
Work Order: 1903187
Project: GBC0364

QC SUMMARY REPORT

Method Blank

Sample ID	MB 031319	Batch ID:	R98702	Test Code:	524W	Units:	µg/L	Analysis Date	3/13/2019 10:59:00 AM	Prep Date	
Client ID:		Run ID:	ORGCMS3_190313A	SeqNo:	1403785						
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: 1903187
Project: GBC0364

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

Page 5 of 12

CLIENT: Cranmer Analytical Laboratory

Work Order: 1903187

Project: GBC0364

QC SUMMARY REPORT

Method Blank

Surrogate: Dibromofluoromethane	1.03	0.10	1.00	0	103%	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

Page 6 of 12

CLIENT: Cranmer Analytical Laboratory
Work Order: 1903187
Project: GBC0364

QC SUMMARY REPORT

Method Blank

Sample ID	MB 031419	Batch ID:	R98713	Test Code:	524W	Units:	µg/L	Analysis Date	3/14/2019 10:48:00 AM	Prep Date	
Client ID:		Run ID:	ORGCMS2_190314A	SeqNo:	1403965						
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: 1903187
Project: GBC0364

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

Page 8 of 12

CLIENT: Cranmer Analytical Laboratory
Work Order: 1903187
Project: GBC0364

QC SUMMARY REPORT
Method Blank

Surrogate: Dibromofluoromethane	1.07	0.10	1.00	0	107%	70	130	0
Surrogate: 1,2-Dichlorobenzene-d4	1.03	0.10	1.00	0	103%	70	130	0

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: Cranmer Analytical Laboratory
Work Order: 1903187
Project: GBC0364

QC SUMMARY REPORT

Method Blank

Sample ID	MB 031419	Batch ID:	R98720	Test Code:	524W	Units:	µg/L	Analysis Date	3/14/2019 10:44:00 AM	Prep Date	
Client ID:		Run ID:	ORGCMS3_190314A	SeqNo:	1404048						
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: 1903187
Project: GBC0364

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

Page 11 of 12

CLIENT: Cranmer Analytical Laboratory
Work Order: 1903187
Project: GBC0364

QC SUMMARY REPORT
Method Blank

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 S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

North Coast Laboratories, Ltd.

Date: 3/15/2019

CLIENT: Cranmer Analytical Laboratory
Work Order: 1903187
Project: GBC0364

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID	LCS-19050	Batch ID:	R98687	Test Code:	524W	Units:	µg/L	Analysis Date	3/12/2019 10:15:00 AM	Prep Date	
Client ID:		Run ID:	ORGCMS2_190311A	SeqNo:	1403513						
Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	6.475	0.50	5.00	0	130%	70	130	0			
Chloromethane	6.713	0.50	5.00	0	134%	70	130	0			S
Vinyl Chloride	5.070	0.50	5.00	0	101%	70	130	0			
Bromomethane	6.620	0.50	5.00	0	132%	70	130	0			S
Chloroethane	6.402	0.50	5.00	0	128%	70	130	0			
Trichlorofluoromethane	6.217	0.50	5.00	0	124%	70	130	0			
1,1-Dichloroethene	4.810	0.50	5.00	0	96.2%	70	130	0			
1,1,2-Trichlorotrifluoroethane	3.897	0.50	5.00	0	77.9%	70	130	0			
Methylene Chloride	4.859	0.50	5.00	0	97.2%	70	130	0			
trans-1,2-Dichloroethene	5.262	0.50	5.00	0	105%	70	130	0			
Methyl tert-butyl ether (MTBE)	3.746	3.0	5.00	0	74.9%	70	130	0			
Tert-butyl alcohol (TBA)	51.47	15	100	0	51.5%	70	130	0			S
Di-isopropyl ether (DIPE)	4.678	3.0	5.00	0	93.6%	70	130	0			
1,1-Dichloroethane	5.319	0.50	5.00	0	106%	70	130	0			
Ethyl tert-butyl ether (ETBE)	4.120	3.0	5.00	0	82.4%	70	130	0			
cis-1,2-Dichloroethene	5.390	0.50	5.00	0	108%	70	130	0			
2,2-Dichloropropane	4.438	0.50	5.00	0	88.8%	70	130	0			
Bromochloromethane	5.192	0.50	5.00	0	104%	70	130	0			
Chloroform	5.371	0.50	5.00	0	107%	70	130	0			
Carbon tetrachloride	4.442	0.50	5.00	0	88.8%	70	130	0			
1,1,1-Trichloroethane	4.869	0.50	5.00	0	97.4%	70	130	0			
1,1-Dichloropropene	4.779	0.50	5.00	0	95.6%	70	130	0			
Benzene	5.194	0.50	5.00	0	104%	70	130	0			
1,2-Dichloroethane	4.576	0.50	5.00	0	91.5%	70	130	0			
Tert-amyl methyl ether (TAME)	3.711	3.0	5.00	0	74.2%	70	130	0			
Trichloroethene	5.038	0.50	5.00	0	101%	70	130	0			
Dibromomethane	4.260	0.50	5.00	0	85.2%	70	130	0			
1,2-Dichloropropane	4.914	0.50	5.00	0	98.3%	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

Page 1 of 12

CLIENT: Cranmer Analytical Laboratory
Work Order: 1903187
Project: GBC0364

QC SUMMARY REPORT

Laboratory Control Spike

Bromodichloromethane	4.924	0.50	5.00	0	98.5%	70	130	0
cis-1,3-Dichloropropene	4.606	0.50	5.00	0	92.1%	70	130	0
Toluene	5.077	0.50	5.00	0	102%	70	130	0
Tetrachloroethene	4.858	0.50	5.00	0	97.2%	70	130	0
trans-1,3-Dichloropropene	4.004	0.50	5.00	0	80.1%	70	130	0
1,1,2-Trichloroethane	3.951	0.50	5.00	0	79.0%	70	130	0
Dibromochloromethane	4.125	0.50	5.00	0	82.5%	70	130	0
1,3-Dichloropropane	4.082	0.50	5.00	0	81.6%	70	130	0
Chlorobenzene	5.065	0.50	5.00	0	101%	70	130	0
Ethylbenzene	4.970	0.50	5.00	0	99.4%	70	130	0
1,1,1,2-Tetrachloroethane	4.600	0.50	5.00	0	92.0%	70	130	0
m,p-Xylene	10.47	0.50	10.0	0	105%	70	130	0
o-Xylene	5.047	0.50	5.00	0	101%	70	130	0
Bromoform	3.640	0.50	5.00	0	72.8%	70	130	0
Styrene	5.104	0.50	5.00	0	102%	70	130	0
Isopropylbenzene	4.969	0.50	5.00	0	99.4%	70	130	0
Bromobenzene	4.958	0.50	5.00	0	99.2%	70	130	0
n-Propylbenzene	5.171	0.50	5.00	0	103%	70	130	0
1,1,2,2-Tetrachloroethane	3.538	0.50	5.00	0	70.8%	70	130	0
2-Chlorotoluene	5.332	0.50	5.00	0	107%	70	130	0
1,2,3-Trichloropropane	3.507	0.50	5.00	0	70.1%	70	130	0
1,3,5-Trimethylbenzene	5.244	0.50	5.00	0	105%	70	130	0
4-Chlorotoluene	5.319	0.50	5.00	0	106%	70	130	0
tert-Butylbenzene	5.022	0.50	5.00	0	100%	70	130	0
1,2,4-Trimethylbenzene	5.344	0.50	5.00	0	107%	70	130	0
sec-Butylbenzene	5.132	0.50	5.00	0	103%	70	130	0
p-Isopropyltoluene	5.175	0.50	5.00	0	103%	70	130	0
1,3-Dichlorobenzene	5.285	0.50	5.00	0	106%	70	130	0
1,4-Dichlorobenzene	5.203	0.50	5.00	0	104%	70	130	0
n-Butylbenzene	5.160	0.50	5.00	0	103%	70	130	0
1,2-Dichlorobenzene	5.005	0.50	5.00	0	100%	70	130	0
Hexachlorobutadiene	5.007	0.50	5.00	0	100%	70	130	0
1,2,4-Trichlorobenzene	4.580	0.50	5.00	0	91.6%	70	130	0
Naphthalene	3.410	0.50	5.00	0	68.2%	70	130	0

S

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 2 of 12

CLIENT: Cranmer Analytical Laboratory
Work Order: 1903187
Project: GBC0364

QC SUMMARY REPORT

Laboratory Control Spike

1,2,3-Trichlorobenzene	4.187	0.50	5.00	0	83.7%	70	130	0
Surrogate: Dibromofluoromethane	1.03	0.10	1.00	0	103%	70	130	0
Surrogate: 1,2-Dichlorobenzene-d4	0.976	0.10	1.00	0	97.6%	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

Page 3 of 12

CLIENT: Cranmer Analytical Laboratory
Work Order: 1903187
Project: GBC0364

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID	LCS-19052	Batch ID:	R98702	Test Code:	524W	Units:	µg/L	Analysis Date	3/13/2019 10:23:00 AM	Prep Date	
Client ID:		Run ID:	ORGCMS3_190313A	SeqNo:	1403784						
Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	5.423	0.50	5.00	0	108%	70	130	0			
Chloromethane	6.268	0.50	5.00	0	125%	70	130	0			
Vinyl Chloride	6.063	0.50	5.00	0	121%	70	130	0			
Bromomethane	6.607	0.50	5.00	0	132%	70	130	0			S
Chloroethane	6.655	0.50	5.00	0	133%	70	130	0			S
Trichlorofluoromethane	6.028	0.50	5.00	0	121%	70	130	0			
1,1-Dichloroethene	4.779	0.50	5.00	0	95.6%	70	130	0			
1,1,2-Trichlorotrifluoroethane	4.544	0.50	5.00	0	90.9%	70	130	0			
Methylene Chloride	4.955	0.50	5.00	0	99.1%	70	130	0			
trans-1,2-Dichloroethene	4.943	0.50	5.00	0	98.9%	70	130	0			
Methyl tert-butyl ether (MTBE)	4.088	3.0	5.00	0	81.8%	70	130	0			
Tert-butyl alcohol (TBA)	62.61	15	100	0	62.6%	70	130	0			S
Di-isopropyl ether (DIPE)	4.656	3.0	5.00	0	93.1%	70	130	0			
1,1-Dichloroethane	4.882	0.50	5.00	0	97.6%	70	130	0			
Ethyl tert-butyl ether (ETBE)	4.350	3.0	5.00	0	87.0%	70	130	0			
cis-1,2-Dichloroethene	5.033	0.50	5.00	0	101%	70	130	0			
2,2-Dichloropropane	5.409	0.50	5.00	0	108%	70	130	0			
Bromochloromethane	4.448	0.50	5.00	0	89.0%	70	130	0			
Chloroform	4.990	0.50	5.00	0	99.8%	70	130	0			
Carbon tetrachloride	4.668	0.50	5.00	0	93.4%	70	130	0			
1,1,1-Trichloroethane	4.822	0.50	5.00	0	96.4%	70	130	0			
1,1-Dichloropropene	4.653	0.50	5.00	0	93.1%	70	130	0			
Benzene	4.870	0.50	5.00	0	97.4%	70	130	0			
1,2-Dichloroethane	4.536	0.50	5.00	0	90.7%	70	130	0			
Tert-amyl methyl ether (TAME)	4.228	3.0	5.00	0	84.6%	70	130	0			
Trichloroethene	4.752	0.50	5.00	0	95.0%	70	130	0			
Dibromomethane	4.424	0.50	5.00	0	88.5%	70	130	0			
1,2-Dichloropropane	4.700	0.50	5.00	0	94.0%	70	130	0			
Bromodichloromethane	4.766	0.50	5.00	0	95.3%	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: 1903187
Project: GBC0364

QC SUMMARY REPORT

Laboratory Control Spike

cis-1,3-Dichloropropene	4.621	0.50	5.00	0	92.4%	70	130	0
Toluene	4.815	0.50	5.00	0	96.3%	70	130	0
Tetrachloroethene	4.844	0.50	5.00	0	96.9%	70	130	0
trans-1,3-Dichloropropene	3.843	0.50	5.00	0	76.9%	70	130	0
1,1,2-Trichloroethane	4.248	0.50	5.00	0	85.0%	70	130	0
Dibromochloromethane	4.728	0.50	5.00	0	94.6%	70	130	0
1,3-Dichloropropane	4.351	0.50	5.00	0	87.0%	70	130	0
Chlorobenzene	4.996	0.50	5.00	0	99.9%	70	130	0
Ethylbenzene	4.685	0.50	5.00	0	93.7%	70	130	0
1,1,1,2-Tetrachloroethane	5.000	0.50	5.00	0	100%	70	130	0
m,p-Xylene	9.780	0.50	10.0	0	97.8%	70	130	0
o-Xylene	4.723	0.50	5.00	0	94.5%	70	130	0
Bromoform	4.614	0.50	5.00	0	92.3%	70	130	0
Styrene	4.896	0.50	5.00	0	97.9%	70	130	0
Isopropylbenzene	4.790	0.50	5.00	0	95.8%	70	130	0
Bromobenzene	4.694	0.50	5.00	0	93.9%	70	130	0
n-Propylbenzene	5.032	0.50	5.00	0	101%	70	130	0
1,1,2,2-Tetrachloroethane	4.107	0.50	5.00	0	82.1%	70	130	0
2-Chlorotoluene	5.007	0.50	5.00	0	100%	70	130	0
1,2,3-Trichloropropane	4.118	0.50	5.00	0	82.4%	70	130	0
1,3,5-Trimethylbenzene	4.854	0.50	5.00	0	97.1%	70	130	0
4-Chlorotoluene	5.177	0.50	5.00	0	104%	70	130	0
tert-Butylbenzene	4.876	0.50	5.00	0	97.5%	70	130	0
1,2,4-Trimethylbenzene	4.825	0.50	5.00	0	96.5%	70	130	0
sec-Butylbenzene	4.968	0.50	5.00	0	99.4%	70	130	0
p-Isopropyltoluene	4.937	0.50	5.00	0	98.7%	70	130	0
1,3-Dichlorobenzene	5.058	0.50	5.00	0	101%	70	130	0
1,4-Dichlorobenzene	4.898	0.50	5.00	0	98.0%	70	130	0
n-Butylbenzene	4.829	0.50	5.00	0	96.6%	70	130	0
1,2-Dichlorobenzene	4.740	0.50	5.00	0	94.8%	70	130	0
Hexachlorobutadiene	4.673	0.50	5.00	0	93.5%	70	130	0
1,2,4-Trichlorobenzene	4.515	0.50	5.00	0	90.3%	70	130	0
Naphthalene	3.183	0.50	5.00	0	63.7%	70	130	0
1,2,3-Trichlorobenzene	4.573	0.50	5.00	0	91.5%	70	130	0

S

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 5 of 12

CLIENT: Cranmer Analytical Laboratory**Work Order:** 1903187**Project:** GBC0364**QC SUMMARY REPORT**

Laboratory Control Spike

Surrogate: Dibromofluoromethane	1.02	0.10	1.00	0	102%	70	130	0
Surrogate: 1,2-Dichlorobenzene-d4	0.990	0.10	1.00	0	99.0%	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

Page 6 of 12

CLIENT: Cranmer Analytical Laboratory
Work Order: 1903187
Project: GBC0364

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID	LCS-19053	Batch ID:	R98713	Test Code:	524W	Units:	µg/L	Analysis Date	3/14/2019 10:13:00 AM	Prep Date	
Client ID:		Run ID:	ORGCMS2_190314A	SeqNo:	1403964						
Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	5.187	0.50	5.00	0	104%	70	130	0			
Chloromethane	7.366	0.50	5.00	0	147%	70	130	0			S
Vinyl Chloride	5.268	0.50	5.00	0	105%	70	130	0			
Bromomethane	6.125	0.50	5.00	0	122%	70	130	0			
Chloroethane	5.860	0.50	5.00	0	117%	70	130	0			
Trichlorofluoromethane	5.972	0.50	5.00	0	119%	70	130	0			
1,1-Dichloroethene	5.686	0.50	5.00	0	114%	70	130	0			
1,1,2-Trichlorotrifluoroethane	5.731	0.50	5.00	0	115%	70	130	0			
Methylene Chloride	5.318	0.50	5.00	0	106%	70	130	0			
trans-1,2-Dichloroethene	5.827	0.50	5.00	0	117%	70	130	0			
Methyl tert-butyl ether (MTBE)	4.599	3.0	5.00	0	92.0%	70	130	0			
Tert-butyl alcohol (TBA)	68.38	15	100	0	68.4%	70	130	0			S
Di-isopropyl ether (DIPE)	5.202	3.0	5.00	0	104%	70	130	0			
1,1-Dichloroethane	5.731	0.50	5.00	0	115%	70	130	0			
Ethyl tert-butyl ether (ETBE)	4.787	3.0	5.00	0	95.7%	70	130	0			
cis-1,2-Dichloroethene	5.798	0.50	5.00	0	116%	70	130	0			
2,2-Dichloropropane	5.531	0.50	5.00	0	111%	70	130	0			
Bromochloromethane	5.908	0.50	5.00	0	118%	70	130	0			
Chloroform	5.923	0.50	5.00	0	118%	70	130	0			
Carbon tetrachloride	5.716	0.50	5.00	0	114%	70	130	0			
1,1,1-Trichloroethane	5.870	0.50	5.00	0	117%	70	130	0			
1,1-Dichloropropene	5.764	0.50	5.00	0	115%	70	130	0			
Benzene	5.622	0.50	5.00	0	112%	70	130	0			
1,2-Dichloroethane	5.341	0.50	5.00	0	107%	70	130	0			
Tert-amyl methyl ether (TAME)	4.439	3.0	5.00	0	88.8%	70	130	0			
Trichloroethene	5.607	0.50	5.00	0	112%	70	130	0			
Dibromomethane	4.975	0.50	5.00	0	99.5%	70	130	0			
1,2-Dichloropropane	5.517	0.50	5.00	0	110%	70	130	0			
Bromodichloromethane	5.675	0.50	5.00	0	113%	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

Page 7 of 12

CLIENT: Cranmer Analytical Laboratory
Work Order: 1903187
Project: GBC0364

QC SUMMARY REPORT

Laboratory Control Spike

cis-1,3-Dichloropropene	5.260	0.50	5.00	0	105%	70	130	0
Toluene	5.394	0.50	5.00	0	108%	70	130	0
Tetrachloroethene	5.476	0.50	5.00	0	110%	70	130	0
trans-1,3-Dichloropropene	4.730	0.50	5.00	0	94.6%	70	130	0
1,1,2-Trichloroethane	4.696	0.50	5.00	0	93.9%	70	130	0
Dibromochloromethane	4.943	0.50	5.00	0	98.9%	70	130	0
1,3-Dichloropropane	4.441	0.50	5.00	0	88.8%	70	130	0
Chlorobenzene	5.150	0.50	5.00	0	103%	70	130	0
Ethylbenzene	4.968	0.50	5.00	0	99.4%	70	130	0
1,1,1,2-Tetrachloroethane	4.876	0.50	5.00	0	97.5%	70	130	0
m,p-Xylene	10.39	0.50	10.0	0	104%	70	130	0
o-Xylene	4.963	0.50	5.00	0	99.3%	70	130	0
Bromoform	4.570	0.50	5.00	0	91.4%	70	130	0
Styrene	5.163	0.50	5.00	0	103%	70	130	0
Isopropylbenzene	5.129	0.50	5.00	0	103%	70	130	0
Bromobenzene	5.269	0.50	5.00	0	105%	70	130	0
n-Propylbenzene	5.359	0.50	5.00	0	107%	70	130	0
1,1,2,2-Tetrachloroethane	4.133	0.50	5.00	0	82.7%	70	130	0
2-Chlorotoluene	5.412	0.50	5.00	0	108%	70	130	0
1,2,3-Trichloropropane	4.121	0.50	5.00	0	82.4%	70	130	0
1,3,5-Trimethylbenzene	5.451	0.50	5.00	0	109%	70	130	0
4-Chlorotoluene	5.473	0.50	5.00	0	109%	70	130	0
tert-Butylbenzene	5.287	0.50	5.00	0	106%	70	130	0
1,2,4-Trimethylbenzene	5.434	0.50	5.00	0	109%	70	130	0
sec-Butylbenzene	5.504	0.50	5.00	0	110%	70	130	0
p-Isopropyltoluene	5.398	0.50	5.00	0	108%	70	130	0
1,3-Dichlorobenzene	5.600	0.50	5.00	0	112%	70	130	0
1,4-Dichlorobenzene	5.536	0.50	5.00	0	111%	70	130	0
n-Butylbenzene	5.397	0.50	5.00	0	108%	70	130	0
1,2-Dichlorobenzene	5.359	0.50	5.00	0	107%	70	130	0
Hexachlorobutadiene	5.589	0.50	5.00	0	112%	70	130	0
1,2,4-Trichlorobenzene	4.955	0.50	5.00	0	99.1%	70	130	0
Naphthalene	3.851	0.50	5.00	0	77.0%	70	130	0
1,2,3-Trichlorobenzene	4.790	0.50	5.00	0	95.8%	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:** 1903187**Project:** GBC0364**QC SUMMARY REPORT**

Laboratory Control Spike

Surrogate: Dibromofluoromethane	1.07	0.10	1.00	0	107%	70	130	0
Surrogate: 1,2-Dichlorobenzene-d4	0.990	0.10	1.00	0	99.0%	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

Page 9 of 12

CLIENT: Cranmer Analytical Laboratory
Work Order: 1903187
Project: GBC0364

QC SUMMARY REPORT

Laboratory Control Spike

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
Dichlorodifluoromethane	4.450	0.50	5.00	0	89.0%	70	130	0			
Chloromethane	5.004	0.50	5.00	0	100%	70	130	0			
Vinyl Chloride	5.229	0.50	5.00	0	105%	70	130	0			
Bromomethane	6.431	0.50	5.00	0	129%	70	130	0			
Chloroethane	5.869	0.50	5.00	0	117%	70	130	0			
Trichlorofluoromethane	5.731	0.50	5.00	0	115%	70	130	0			
1,1-Dichloroethene	6.707	0.50	5.00	0	134%	70	130	0			S
1,1,2-Trichlorotrifluoroethane	7.008	0.50	5.00	0	140%	70	130	0			S
Methylene Chloride	6.105	0.50	5.00	0	122%	70	130	0			
trans-1,2-Dichloroethene	6.434	0.50	5.00	0	129%	70	130	0			
Methyl tert-butyl ether (MTBE)	5.285	3.0	5.00	0	106%	70	130	0			
Tert-butyl alcohol (TBA)	74.79	15	100	0	74.8%	70	130	0			
Di-isopropyl ether (DIPE)	6.025	3.0	5.00	0	120%	70	130	0			
1,1-Dichloroethane	6.449	0.50	5.00	0	129%	70	130	0			
Ethyl tert-butyl ether (ETBE)	5.745	3.0	5.00	0	115%	70	130	0			
cis-1,2-Dichloroethene	6.106	0.50	5.00	0	122%	70	130	0			
2,2-Dichloropropane	6.959	0.50	5.00	0	139%	70	130	0			S
Bromochloromethane	4.985	0.50	5.00	0	99.7%	70	130	0			
Chloroform	6.022	0.50	5.00	0	120%	70	130	0			
Carbon tetrachloride	6.492	0.50	5.00	0	130%	70	130	0			
1,1,1-Trichloroethane	6.253	0.50	5.00	0	125%	70	130	0			
1,1-Dichloropropene	6.355	0.50	5.00	0	127%	70	130	0			
Benzene	6.001	0.50	5.00	0	120%	70	130	0			
1,2-Dichloroethane	5.432	0.50	5.00	0	109%	70	130	0			
Tert-amyl methyl ether (TAME)	5.179	3.0	5.00	0	104%	70	130	0			
Trichloroethene	6.168	0.50	5.00	0	123%	70	130	0			
Dibromomethane	5.166	0.50	5.00	0	103%	70	130	0			
1,2-Dichloropropane	5.760	0.50	5.00	0	115%	70	130	0			
Bromodichloromethane	5.847	0.50	5.00	0	117%	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: 1903187
Project: GBC0364

QC SUMMARY REPORT

Laboratory Control Spike

cis-1,3-Dichloropropene	5.472	0.50	5.00	0	109%	70	130	0
Toluene	5.958	0.50	5.00	0	119%	70	130	0
Tetrachloroethene	6.181	0.50	5.00	0	124%	70	130	0
trans-1,3-Dichloropropene	4.533	0.50	5.00	0	90.7%	70	130	0
1,1,2-Trichloroethane	5.108	0.50	5.00	0	102%	70	130	0
Dibromochloromethane	5.701	0.50	5.00	0	114%	70	130	0
1,3-Dichloropropane	5.210	0.50	5.00	0	104%	70	130	0
Chlorobenzene	5.992	0.50	5.00	0	120%	70	130	0
Ethylbenzene	5.986	0.50	5.00	0	120%	70	130	0
1,1,1,2-Tetrachloroethane	5.768	0.50	5.00	0	115%	70	130	0
m,p-Xylene	12.32	0.50	10.0	0	123%	70	130	0
o-Xylene	5.927	0.50	5.00	0	119%	70	130	0
Bromoform	5.449	0.50	5.00	0	109%	70	130	0
Styrene	6.098	0.50	5.00	0	122%	70	130	0
Isopropylbenzene	6.026	0.50	5.00	0	121%	70	130	0
Bromobenzene	5.663	0.50	5.00	0	113%	70	130	0
n-Propylbenzene	6.308	0.50	5.00	0	126%	70	130	0
1,1,2,2-Tetrachloroethane	4.809	0.50	5.00	0	96.2%	70	130	0
2-Chlorotoluene	6.080	0.50	5.00	0	122%	70	130	0
1,2,3-Trichloropropane	4.823	0.50	5.00	0	96.5%	70	130	0
1,3,5-Trimethylbenzene	6.183	0.50	5.00	0	124%	70	130	0
4-Chlorotoluene	6.277	0.50	5.00	0	126%	70	130	0
tert-Butylbenzene	6.242	0.50	5.00	0	125%	70	130	0
1,2,4-Trimethylbenzene	5.938	0.50	5.00	0	119%	70	130	0
sec-Butylbenzene	6.405	0.50	5.00	0	128%	70	130	0
p-Isopropyltoluene	6.248	0.50	5.00	0	125%	70	130	0
1,3-Dichlorobenzene	6.102	0.50	5.00	0	122%	70	130	0
1,4-Dichlorobenzene	5.779	0.50	5.00	0	116%	70	130	0
n-Butylbenzene	6.333	0.50	5.00	0	127%	70	130	0
1,2-Dichlorobenzene	5.747	0.50	5.00	0	115%	70	130	0
Hexachlorobutadiene	5.921	0.50	5.00	0	118%	70	130	0
1,2,4-Trichlorobenzene	5.358	0.50	5.00	0	107%	70	130	0
Naphthalene	3.885	0.50	5.00	0	77.7%	70	130	0
1,2,3-Trichlorobenzene	5.588	0.50	5.00	0	112%	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

Page 11 of 12

CLIENT: Cranmer Analytical Laboratory**Work Order:** 1903187**Project:** GBC0364**QC SUMMARY REPORT**

Laboratory Control Spike

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

Page 12 of 12

1903187
**SUBCONTRACT
ORDER**



Cranmer Engineering, Inc.
Integrated Engineering Services

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: GBC0364**Analysis****Comments****Sample ID: GBC0364-01 HYD Rockford Ln 1st Dr**

Drinking Water Sampled: 03/08/2019 08:20

Volatile Organic Compounds (VOCs)

Containers Supplied:

VOA w/HCl (A)

VOA w/HCl (B)

VOA w/HCl (C)

Sample ID: GBC0364-02 HYD Rockford Ln 2nd Dr

Drinking Water Sampled: 03/08/2019 08:25

Volatile Organic Compounds (VOCs)

Containers Supplied:

VOA w/HCl (A)

VOA w/HCl (B)

VOA w/HCl (C)

Sample ID: GBC0364-03 5501 Rockford Ln

Drinking Water Sampled: 03/08/2019 08:40

Volatile Organic Compounds (VOCs)

Containers Supplied:

VOA w/HCl (A)

VOA w/HCl (B)

VOA w/HCl (C)

Sample ID: GBC0364-04 HYD 5175 Country Club 1st Dr

Drinking Water Sampled: 03/08/2019 09:00

Volatile Organic Compounds (VOCs)

Containers Supplied:

VOA w/HCl (A)

VOA w/HCl (B)

VOA w/HCl (C)

Sample ID: GBC0364-05 HYD 5175 Country Club 2nd Dr

Drinking Water Sampled: 03/08/2019 09:10

Volatile Organic Compounds (VOCs)

Containers Supplied:

VOA w/HCl (A)

VOA w/HCl (B)

VOA w/HCl (C)

EDT Upload

YES ☐

NO ☐

Released By

Date

Received By

Date



Cranmer Engineering, Inc.
Integrated Engineering Services

1903187
**SUBCONTRACT
ORDER**
(Continued)

Work Order: GBC0364 (Continued)

Analysis	Comments
----------	----------

Sample ID: GBC0364-06 2379 Joseph Ct

Drinking Water Sampled: 03/08/2019 09:30

Volatile Organic Compounds (VOCs)

Containers Supplied:

VOA w/HCl (A)

VOA w/HCl (B)

VOA w/HCl (C)

Sample ID: GBC0364-07 2371 Joseph Ct

Drinking Water Sampled: 03/08/2019 09:40

Volatile Organic Compounds (VOCs)

Containers Supplied:

VOA w/HCl (A)

VOA w/HCl (B)

VOA w/HCl (C)

Sample ID: GBC0364-08 2374 Joseph Ct

Drinking Water Sampled: 03/08/2019 09:50

Volatile Organic Compounds (VOCs)

Containers Supplied:

VOA w/HCl (A)

VOA w/HCl (B)

VOA w/HCl (C)

Sample ID: GBC0364-09 2363 Joseph Ct

Drinking Water Sampled: 03/08/2019 10:00

Volatile Organic Compounds (VOCs)

Containers Supplied:

VOA w/HCl (A)

VOA w/HCl (B)

VOA w/HCl (C)

Sample ID: GBC0364-10 2361 Joseph Ct

Drinking Water Sampled: 03/08/2019 10:25

Volatile Organic Compounds (VOCs)

Containers Supplied:

VOA w/HCl (A)

VOA w/HCl (B)

VOA w/HCl (C)

Sample ID: GBC0364-11 2364 Joseph Ct

Drinking Water Sampled: 03/08/2019 10:30

Volatile Organic Compounds (VOCs)

Containers Supplied:

VOA w/HCl (A)

VOA w/HCl (B)

VOA w/HCl (C)

Sample ID: GBC0364-12 2358 Joseph Ct

Drinking Water Sampled: 03/08/2019 10:40

Volatile Organic Compounds (VOCs)

EDT Upload YES ☐ NO ☐

Released By

Date

Received By

Date



**SUBCONTRACT
ORDER**
(Continued)

Work Order: GBC0364 (Continued)

Analysis	Comments
<i>Containers Supplied:</i> VOA w/HCl (A) VOA w/HCl (B) VOA w/HCl (C)	
Sample ID: GBC0364-13 Blow Off Joseph Ct <i>Drinking Water Sampled: 03/08/2019 10:45</i>	
Volatile Organic Compounds (VOCs)	
<i>Containers Supplied:</i> VOA w/HCl (A) VOA w/HCl (B) VOA w/HCl (C)	
Sample ID: GBC0364-14 HYD 2213 Richmond Rd 1st Dr <i>Drinking Water Sampled: 03/08/2019 11:10</i>	
Volatile Organic Compounds (VOCs)	
<i>Containers Supplied:</i> VOA w/HCl (A) VOA w/HCl (B) VOA w/HCl (C)	
Sample ID: GBC0364-15 HYD 2213 Richmond Rd 2nd Dr <i>Drinking Water Sampled: 03/08/2019 11:20</i>	
Volatile Organic Compounds (VOCs)	
<i>Containers Supplied:</i> VOA w/HCl (A) VOA w/HCl (B) VOA w/HCl (C)	

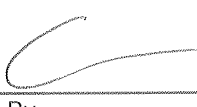
EDT Upload YES ☐ NO ☐



Released By



Date

 1.20C 

Received By Date