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14 January 2019

Chris Fuller
Bella Vista POA
51 Huntley Lane
Bella Vista, AR 72715

Project: Volatiles Samples
Project Number: January 2019
SDG Number: 1901081

Enclosed are the results of analyses for samples received by the laboratory on 08-Jan-19 09:55. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

<u>Custody Seals</u>	✓
<u>Containers Correct</u>	✓
<u>COC/Labels Agree</u>	✓
<u>Received On Ice</u>	✓
Temperature on Receipt	3.0°C

Sincerely,

A handwritten signature in blue ink that reads "Norma James / Teresa Coins".

Norma James and/or Teresa Coins
Technical Director and/or QA Officer

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14 January 2019



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Bella Vista POA
51 Huntley Lane
Bella Vista, AR 72715
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CASE NARRATIVE

Sample Delivery Group – 1901081

One OR more of the qualifiers described below may appear in this report. Qualifiers in RED apply to this SDG (Sample Delivery Group).

CALIBRATION QUALIFIERS:

<u>Qualifier</u>	<u>Description</u>
CR	Result above highest calibration standard, but within linear calibration range.
Est3	Result at the instrument was above the concentration of the highest standard in the calibration curve.
E2-F	Second Source Verification Failure
E7	Internal Standard Response Failure
E11	Initial Calibration Minimum Response Factor Failure
E21	CCV Low
E-01	CCV High
E35	Low Level CCV Failure

QUALITY CONTROL QUALIFIERS:

<u>Qualifier</u>	<u>Description</u>
E20	Sample used as "parent" for the associated analytical batch.
%D3/S-01	Surrogate failed to recover within acceptance criteria (%D3/S-01).
E1	Results associated with this surrogate were qualified as "estimated" (E1).
B	Present in the Associated Blank
B1	Present in Blank, but Not In the Sample.
%D2 / E5	Laboratory Control Spike (LCS) and/or Laboratory Control Spike Duplicate (LCSD) failed to recover with acceptance criteria (%D2). Associated results were qualified as "estimated" (E5).
%D1	Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) failed acceptance criteria.
MBA	Failed criteria due to the high concentration of analyte in the parent sample.
MBI	Failed criteria due to an interference in the parent sample.
%D3	Quality Control Surrogate failed acceptance criteria.
NREC	Quality Control Surrogate failed.

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Date Received: 08-Jan-19 09:55

ANALYTICAL RESULTS

Lab Number: 1901081-01
Sample Name: A
Date/Time Collected: 1/7/19 8:58
Sample Matrix: Water

<u>Volatiles</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
1,1,1,2-Tetrachloroethane	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
1,1,1-Trichloroethane	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
1,1,2,2-Tetrachloroethane	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
1,1,2-Trichloroethane	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
1,1-Dichloroethane	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
1,1-Dichloroethene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
1,1-Dichloropropene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
1,2,3-Trichlorobenzene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
1,2,3-Trichloropropane	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
1,2,4- Trimethylbenzene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
1,2,4-Trichlorobenzene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
1,2-Dibromo-3-chloropropane	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
1,2-Dibromoethane	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
1,2-Dichlorobenzene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
1,2-Dichloroethane	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
1,2-Dichloropropane	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
1,3,5- Trimethylbenzene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
1,3-Dichlorobenzene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
1,3-Dichloropropane	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
1,4-Dichlorobenzene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
2,2-Dichloropropane	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
2-Butanone	ug/L	< 50.0		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
2-Chloroethyl Vinyl Ether	ug/L	< 50.0		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
2-Chlorotoluene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
2-Hexanone	ug/L	< 50.0		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
4-Chlorotoluene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
4-Methyl-2-pentanone	ug/L	< 50.0		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Acrolein	ug/L	< 50.0	E-01, E2-F	1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Acrylonitrile	ug/L	< 50.0		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Benzene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Bromobenzene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Bromochloromethane	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Bromodichloromethane	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Bromoform	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Bromomethane	ug/L	< 50.0		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Carbon disulfide	ug/L	< 50.0		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Carbon Tetrachloride	ug/L	< 5.00	E-01	1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Chlorobenzene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Dibromochloromethane	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Chloroethane	ug/L	< 50.0		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Chloroform	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Chloromethane	ug/L	< 50.0		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
cis-1,2-Dichloroethene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006

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ANALYTICAL RESULTS

Lab Number: 1901081-01
Sample Name: A
Date/Time Collected: 1/7/19 8:58
Sample Matrix: Water

<u>Volatiles</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
cis-1,3-Dichloropropene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Dibromomethane	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Dichlorodifluoromethane	ug/L	< 50.0		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Ethylbenzene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Hexachlorobutadiene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Isopropylbenzene	ug/L	< 50.0		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Methylene Chloride	ug/L	< 20.0		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Methyl-tert-Butyl Ether	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Naphthalene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
m,p-Xylene	ug/L	< 10.0		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
n-Butylbenzene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
n-Propylbenzene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
o-Xylene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
p-Isopropyltoluene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
sec-Butylbenzene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Styrene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
tert-Butylbenzene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Tetrachloroethene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Toluene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
trans-1,2-Dichloroethene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
trans-1,3-Dichloropropene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Trichloroethene	ug/L	< 5.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Trichlorofluoromethane	ug/L	< 50.0		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Vinyl chloride	ug/L	< 2.00		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
4-Bromofluorobenzene [surr]	%	97.8		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
1,2-Dichloroethane-d4 [surr]	%	104		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006
Toluene-d8 [surr]	%	100		1/8/19 16:55	B901084	SW 8260C, Rev 3, 2006

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ANALYTICAL RESULTS

Lab Number: 1901081-02
Sample Name: B
Date/Time Collected: 1/7/19 8:54
Sample Matrix: Water

<u>Volatiles</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
1,1,1,2-Tetrachloroethane	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
1,1,1-Trichloroethane	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
1,1,2,2-Tetrachloroethane	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
1,1,2-Trichloroethane	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
1,1-Dichloroethane	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
1,1-Dichloroethene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
1,1-Dichloropropene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
1,2,3-Trichlorobenzene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
1,2,3-Trichloropropane	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
1,2,4- Trimethylbenzene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
1,2,4-Trichlorobenzene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
1,2-Dibromo-3-chloropropane	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
1,2-Dibromoethane	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
1,2-Dichlorobenzene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
1,2-Dichloroethane	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
1,2-Dichloropropane	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
1,3,5- Trimethylbenzene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
1,3-Dichlorobenzene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
1,3-Dichloropropane	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
1,4-Dichlorobenzene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
2,2-Dichloropropane	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
2-Butanone	ug/L	< 50.0		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
2-Chloroethyl Vinyl Ether	ug/L	< 50.0		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
2-Chlorotoluene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
2-Hexanone	ug/L	< 50.0		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
4-Chlorotoluene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
4-Methyl-2-pentanone	ug/L	< 50.0		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Acrolein	ug/L	< 50.0	E-01, E2-F	1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Acrylonitrile	ug/L	< 50.0		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Benzene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Bromobenzene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Bromochloromethane	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Bromodichloromethane	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Bromoform	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Bromomethane	ug/L	< 50.0		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Carbon disulfide	ug/L	< 50.0		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Carbon Tetrachloride	ug/L	< 5.00	E-01	1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Chlorobenzene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Dibromochloromethane	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Chloroethane	ug/L	< 50.0		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Chloroform	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Chloromethane	ug/L	< 50.0		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
cis-1,2-Dichloroethene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006

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ANALYTICAL RESULTS

Lab Number: 1901081-02
Sample Name: B
Date/Time Collected: 1/7/19 8:54
Sample Matrix: Water

<u>Volatiles</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
cis-1,3-Dichloropropene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Dibromomethane	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Dichlorodifluoromethane	ug/L	< 50.0		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Ethylbenzene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Hexachlorobutadiene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Isopropylbenzene	ug/L	< 50.0		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Methylene Chloride	ug/L	< 20.0		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Methyl-tert-Butyl Ether	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Naphthalene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
m,p-Xylene	ug/L	< 10.0		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
n-Butylbenzene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
n-Propylbenzene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
o-Xylene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
p-Isopropyltoluene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
sec-Butylbenzene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Styrene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
tert-Butylbenzene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Tetrachloroethene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Toluene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
trans-1,2-Dichloroethene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
trans-1,3-Dichloropropene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Trichloroethene	ug/L	< 5.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Trichlorofluoromethane	ug/L	< 50.0		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Vinyl chloride	ug/L	< 2.00		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
4-Bromofluorobenzene [surr]	%	97.7		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
1,2-Dichloroethane-d4 [surr]	%	104		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006
Toluene-d8 [surr]	%	101		1/8/19 17:24	B901084	SW 8260C, Rev 3, 2006

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QUALITY CONTROL RESULTS

Volatiles -- Batch: B901084 (Water)

Prepared: 08-Jan-19 13:16 By: CT -- Analyzed: 08-Jan-19 19:16 By: ct

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	<5.00 ug/L	100% / NA	97.4% / 103%		5.64%	
1,1,1-Trichloroethane	<5.00 ug/L	111% / NA	107% / 112%		5.04%	
1,1,2,2-Tetrachloroethane	<5.00 ug/L	84.5% / NA	84.4% / 89.9%		6.29%	
1,1,2-Trichloroethane	<5.00 ug/L	104% / NA	101% / 106%		4.83%	
1,1-Dichloroethane	<5.00 ug/L	116% / NA	111% / 118%		6.28%	
1,1-Dichloroethene	<5.00 ug/L	110% / NA	104% / 112%		7.63%	
1,1-Dichloropropene	<5.00 ug/L	108% / NA	104% / 112%		7.82%	
1,2,3-Trichlorobenzene	<5.00 ug/L	93.2% / NA	91.2% / 95.3%		4.40%	
1,2,3-Trichloropropane	<5.00 ug/L	87.8% / NA	82.8% / 89.1%		7.34%	
1,2,4-Trimethylbenzene	<5.00 ug/L	91.2% / NA	87.6% / 91.9%		4.80%	
1,2,4-Trichlorobenzene	<5.00 ug/L	92.0% / NA	89.2% / 94.1%		5.44%	
1,2-Dibromo-3-chloropropane	<5.00 ug/L	79.8% / NA	74.1% / 79.9%		7.45%	
1,2-Dibromoethane	<5.00 ug/L	105% / NA	100% / 105%		5.03%	
1,2-Dichlorobenzene	<5.00 ug/L	90.0% / NA	88.2% / 92.0%		4.27%	
1,2-Dichloroethane	<5.00 ug/L	114% / NA	109% / 116%		5.96%	
1,2-Dichloropropane	<5.00 ug/L	112% / NA	108% / 115%		5.71%	
1,3,5-Trimethylbenzene	<5.00 ug/L	91.6% / NA	87.2% / 92.9%		6.33%	
1,3-Dichlorobenzene	<5.00 ug/L	90.7% / NA	87.5% / 94.0%		7.14%	
1,3-Dichloropropane	<5.00 ug/L	106% / NA	102% / 108%		5.64%	
1,4-Dichlorobenzene	<5.00 ug/L	90.3% / NA	88.1% / 94.3%		6.86%	
2,2-Dichloropropane	<5.00 ug/L	101% / NA	93.8% / 97.8%		4.16%	
2-Butanone	<50.0 ug/L	99.7% / NA	91.4% / 94.0%		2.83%	
2-Chloroethyl Vinyl Ether	<50.0 ug/L	101% / NA	MBI / MBI		78.1%	D1, MBI
2-Chlorotoluene	<5.00 ug/L	91.3% / NA	87.9% / 93.9%		6.57%	
2-Hexanone	<50.0 ug/L	102% / NA	92.4% / 97.1%		5.02%	
4-Chlorotoluene	<5.00 ug/L	89.6% / NA	87.2% / 91.2%		4.44%	
4-Methyl-2-pentanone	<50.0 ug/L	105% / NA	96.1% / 101%		5.12%	
Acrolein	<50.0 ug/L	124% / NA	114% / 124%		8.86%	E-01, E2-F
Acrylonitrile	<50.0 ug/L	89.0% / NA	84.5% / 86.7%		2.58%	
Benzene	<5.00 ug/L	108% / NA	105% / 109%		4.09%	
Bromobenzene	<5.00 ug/L	98.1% / NA	93.7% / 99.3%		5.77%	
Bromochloromethane	<5.00 ug/L	111% / NA	107% / 112%		4.78%	
Bromodichloromethane	<5.00 ug/L	109% / NA	105% / 114%		8.50%	
Bromoform	<5.00 ug/L	97.9% / NA	93.9% / 101%		7.56%	
Bromomethane	<50.0 ug/L	121% / NA	118% / 122%		3.01%	
Carbon disulfide	<50.0 ug/L	107% / NA	102% / 107%		4.44%	
Carbon Tetrachloride	<5.00 ug/L	122% / NA	117% / 123%		5.07%	E-01
Chlorobenzene	<5.00 ug/L	99.9% / NA	97.4% / 103%		5.30%	
Chloroethane	<50.0 ug/L	116% / NA	109% / 114%		4.64%	
Chloroform	<5.00 ug/L	112% / NA	106% / 110%		3.38%	
Chloromethane	<50.0 ug/L	102% / NA	97.0% / 99.7%		2.73%	
cis-1,2-Dichloroethene	<5.00 ug/L	106% / NA	102% / 108%		6.24%	
cis-1,3-Dichloropropene	<5.00 ug/L	102% / NA	98.2% / 103%		4.38%	
Dibromochloromethane	<5.00 ug/L	105% / NA	99.9% / 108%		8.08%	
Dibromomethane	<5.00 ug/L	114% / NA	107% / 115%		7.12%	
Dichlorodifluoromethane	<50.0 ug/L	89.1% / NA	83.8% / 90.8%		7.96%	
Ethylbenzene	<5.00 ug/L	99.0% / NA	96.1% / 102%		6.20%	
Hexachlorobutadiene	<5.00 ug/L	85.2% / NA	85.1% / 91.8%		7.57%	

Chris Fuller
Bella Vista POA
51 Huntley Lane
Bella Vista, AR 72715
Project: Volatiles Samples

Project Number: January 2019
Date Received: 08-Jan-19 09:55

QUALITY CONTROL RESULTS

Volatiles -- Batch: B901084 (Water)

Prepared: 08-Jan-19 13:16 By: CT -- Analyzed: 08-Jan-19 19:16 By: ct

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Isopropylbenzene	<50.0 ug/L	89.7% / NA	86.3% / 91.6%		5.92%	
m,p-Xylene	<10.0 ug/L	100% / NA	97.0% / 103%		5.86%	
Methylene Chloride	<20.0 ug/L	106% / NA	102% / 108%		5.32%	
Methyl-tert-Butyl Ether	<5.00 ug/L	103% / NA	96.7% / 103%		5.85%	
Naphthalene	<5.00 ug/L	72.2% / NA	70.5% / 74.8%		5.85%	
n-Butylbenzene	<5.00 ug/L	81.5% / NA	78.5% / 84.1%		6.93%	
n-Propylbenzene	<5.00 ug/L	90.2% / NA	86.8% / 91.9%		5.69%	
o-Xylene	<5.00 ug/L	99.4% / NA	96.3% / 103%		6.34%	
p-Isopropyltoluene	<5.00 ug/L	86.9% / NA	84.0% / 90.9%		7.90%	
sec-Butylbenzene	<5.00 ug/L	87.4% / NA	83.7% / 90.8%		8.18%	
Styrene	<5.00 ug/L	98.8% / NA	94.6% / 99.8%		5.28%	
tert-Butylbenzene	<5.00 ug/L	90.1% / NA	87.7% / 93.4%		6.22%	
Tetrachloroethene	<5.00 ug/L	112% / NA	108% / 116%		7.01%	
Toluene	<5.00 ug/L	106% / NA	102% / 108%		5.44%	
trans-1,2-Dichloroethene	<5.00 ug/L	109% / NA	103% / 111%		6.89%	
trans-1,3-Dichloropropene	<5.00 ug/L	101% / NA	98.7% / 104%		5.20%	
Trichloroethene	<5.00 ug/L	109% / NA	99.8% / 107%		7.09%	
Trichlorofluoromethane	<50.0 ug/L	111% / NA	105% / 114%		7.97%	
Vinyl chloride	<2.00 ug/L	111% / NA	106% / 113%		6.86%	
1,2-Dichloroethane-d4 [surr]	105 %	105% / NA	104% / 103%		NA	
4-Bromofluorobenzene [surr]	97.3 %	96.1% / NA	94.8% / 95.6%		NA	
Toluene-d8 [surr]	99.3 %	101% / NA	101% / 101%		NA	

QUALIFIER(S)

- *D1: RPD Value Does Not Meet Laboratory Acceptance Criteria.
 *E-01: Estimated Result; This Analyte Failed "High" in the CCV; If the sample is non-detect for this analyte, the CCV demonstrated the analyte would have been detected were it present.
 *E2-F: Second Source Verification Failure
 *MBI: Masked By Interference

All Analysis performed according to EPA approved methodology when available :
 SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods.
 Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Reviewed by: Norma James / Teresa Coins
 Norma James and/or Teresa Coins
 Technical Director and/or QA Officer



8100 National Dr.
 Little Rock, AR 72209
 PHONE: 501-455-3233
 FAX: 501-455-6118

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION			Project Description			Turnaround Time			Preservation Codes:					
Bella Vista POA						1 Day (100%)			1. Cool, 6 Degrees Centigrade					
51 Huntley Lane						2 Day (50%)			2. Sulfuric Acid (H ₂ SO ₄), pH < 2					
Bella Vista, AR 72715						3 Day (25%)			3. Nitric Acid (HNO ₃), pH < 2					
Attn: Chris Fuller			Reporting Information			5 Day (routine)			4. This sulfate for Dechlorination					
			Telephone: 479-855-4472			Preservative Code:			5. Hydrochloric Acid(HCl)					
			Email: christfu@bvvpoa.com			Bottle Type:			6. Sodium Hydroxide (NaOH), pH > 12					
Sampler(s) Signature			Sampler(s) Printed			TEST PARAMETERS			Bottle Type Code					
Chris Fuller			Chris Fuller			1			G = Glass; P = Plastic					
						GV			V = Septum; A = Amber					
Field Number	SAMPLE COLLECTION Dates	Times	Grab	Comp	Number of Bottles	Sample Matrix	IDENTIFICATION / DESCRIPTION			SAMPLE				
	07 Jan 2019	8:55 am	X		3	Water	A			Volatiles				
	07 Jan 2019	8:54 am	X		3	Water	B			X				
1. Relinquished by: (Signature)			Date/Time			2. Received by: (Signature)			SAMPLE CONDITION UPON RECEIPT IN LAB			REMARKS / SAMPLE COMMENTS		
Chris Fuller			07 Jan 2019			VP5			1. CUSTODY SEALS: <input checked="" type="checkbox"/> Yes ___ No					
			9:10 am						2. CONTAINERS CORRECT: <input checked="" type="checkbox"/> Yes ___ No					
3. Relinquished by: (Signature)			Date/Time			4. Received by lab: (Signature)			3. COC/LABELS AGREE: <input checked="" type="checkbox"/> Yes ___ No					
VP5			1-8-19			Chris Fuller			4. RECEIVED ON ICE: <input checked="" type="checkbox"/> Yes ___ No					
			0955						5. TEMPERATURE ON RECEIPT: 3 °C					
									6. TEMPERATURE GUN ID: HHT# 2					
									FOR COMPLETION BY LAB ONLY					

Arkansas Analytical Work Order Number: 1901081