



Liberty
Environmental, Inc.

50 N. Fifth St., 5th Floor, Reading, PA 19601 • 610-375-9301 • Fax 610-375-9302 • www.libertyenviro.com

January 21, 2011

Mr. Steve Vernick
1176 Hart Lane
Warminster, PA 18975

RECEIVED

JAN 24 2011

WARWICK TOWNSHIP OFFICE
JAMISON, PA

Re: Laboratory Analytical Results

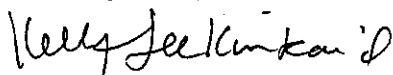
Dear Mr. Vernick:

Enclosed please find the laboratory analytical results for the water samples collected from your residence on January 4, 2011. Samples were also collected on December 28, 2010, but could not be analyzed due to quality control issues that occurred at the laboratory. During each of these two events, an influent water sample (raw water) was collected prior to the water treatment system that includes two carbon vessels in series and a water softener. A second sample was collected at the mid-point of the treatment system (between the first and second carbon vessel), and an effluent sample was also collected from the treatment system. The sample analytical results indicate that MTBE was detected in your raw water supply at a concentration of 2.45 µg/L. The mid-point sample reported several volatile organic compounds at very low concentrations, including benzene, ethylbenzene, toluene, xylene, cumene, MTBE, and 1,3,5-trimethylbenzene. No volatile organic compounds were reported in the effluent sample, indicating that the second carbon filter has completely treated the water.

Due to the observed breakthrough in the first vessel, a carbon change-out will be conducted during the next maintenance visit in June. A copy of the laboratory analytical report is attached.

Should you have any questions, please feel free to contact me at 610.375.9301, extension 211, or by email at kkinkaid@libertyenviro.com.

Sincerely,
Liberty Environmental, Inc.


Kelly Lee Kinkaid, P.G.
Hydrogeologist

Enclosure

cc: S. Kennedy – DEP Southeast Regional Office
G. Weniger – Warwick Township



JIM CINELLI
LIBERTY ENVIRONMENTAL, INC.
50 NORTH 5TH STREET
5TH FLOOR
READING, PA 19601

Regarding:
JIM CINELLI
LIBERTY ENVIRONMENTAL, INC.
50 NORTH 5TH STREET
5TH FLOOR
READING, PA 19601

Account No: SK0069, LIBERTY ENVIRONMENTAL, INC. 1 WK TAT
Project No: SK0069 CINELLI, LIBERTY ENVIRONMENTAL, INC. 1 WK TAT

P.O. No: 060006 Inv. No: 1274072
PWSID No:

Sample Number Sample Description Samp. Date/Time/Temp Sampled by
L3621030-1 1176 HART LANE, INFLUENT 01/04/11 08:25am NA F Customer Sampled
Received Temp: 35.8 F Iced (Y/N): Y

Table with 5 columns: Parameter, Method, Result, RLs, Test Date, Time, Analyst. Lists various chemical compounds and their test results.

Sample Number Sample Description Samp. Date/Time/Temp Sampled by
L3621030-2 1176 HART LANE, MIDPOINT 01/04/11 08:35am NA F Customer Sampled
Received Temp: 35.8 F Iced (Y/N): Y

Table with 5 columns: Parameter, Method, Result, RLs, Test Date, Time, Analyst. Lists various chemical compounds and their test results.

Thomas J. Hines, President

QC Laboratories

Analytical Report

Account No: SK0069, LIBERTY ENVIRONMENTAL, INC. 1 WK TAT
 Project No: SK0069 CINELLI, LIBERTY ENVIRONMENTAL, INC. 1 WK TAT

P.O. No: 060006 Inv. No: 1274072
 PWSID No:

Sample Number: L3621030-3 Sample Description: 1176 HART LANE, EFFLUENT
 Received Temp: 35.8 F Iced (Y/N): Y
 Samp. Date/Time/Temp: 01/04/11 08:45am NA F
 Sampled by: Customer Sampled

| Parameter | Method | Result | RLs | Test Date, Time, Analyst |
|-----------|--------|--------|-----|--------------------------|
|-----------|--------|--------|-----|--------------------------|

GAS CHROMATOGRAPHY MASS SPECTROMETRY; VOLATILES

| | | | | |
|-----------------------------|-----------|---------|-------------|----------------------|
| METHYL TERTIARY BUTYL ETHER | EPA 524.2 | ND ug/l | 0.170 ug/l* | 01/05/11 12:11PM SJP |
| BENZENE | EPA 524.2 | ND ug/l | 0.150 ug/l* | 01/05/11 12:11PM SJP |
| TOLUENE | EPA 524.2 | ND ug/l | 0.140 ug/l* | 01/05/11 12:11PM SJP |
| ETHYL BENZENE | EPA 524.2 | ND ug/l | 0.130 ug/l* | 01/05/11 12:11PM SJP |
| M&P-XYLENES | EPA 524.2 | ND ug/l | 0.350 ug/l* | 01/05/11 12:11PM SJP |
| O-XYLENE | EPA 524.2 | ND ug/l | 0.130 ug/l* | 01/05/11 12:11PM SJP |
| ISOPROPYLBENZENE | EPA 524.2 | ND ug/l | 0.120 ug/l* | 01/05/11 12:11PM SJP |
| 1,3,5-TRIMETHYLBENZENE | EPA 524.2 | ND ug/l | 0.130 ug/l* | 01/05/11 12:11PM SJP |
| 1,2,4-TRIMETHYLBENZENE | EPA 524.2 | ND ug/l | 0.170 ug/l* | 01/05/11 12:11PM SJP |
| NAPHTHALENE | EPA 524.2 | ND ug/l | 0.500 ug/l | 01/05/11 12:11PM SJP |

Sample Number: L3621030-4 Sample Description: TRIP BLANK
 Received Temp: 35.8 F Iced (Y/N): Y
 Samp. Date/Time/Temp: 01/04/11 00:00am NA F
 Sampled by: Customer Sampled

| Parameter | Method | Result | RLs | Test Date, Time, Analyst |
|-----------|--------|--------|-----|--------------------------|
|-----------|--------|--------|-----|--------------------------|

GAS CHROMATOGRAPHY MASS SPECTROMETRY; VOLATILES

| | | | | |
|-----------------------------|-----------|---------|-------------|----------------------|
| METHYL TERTIARY BUTYL ETHER | EPA 524.2 | ND ug/l | 0.170 ug/l* | 01/05/11 12:44PM SJP |
| BENZENE | EPA 524.2 | ND ug/l | 0.150 ug/l* | 01/05/11 12:44PM SJP |
| TOLUENE | EPA 524.2 | ND ug/l | 0.140 ug/l* | 01/05/11 12:44PM SJP |
| ETHYL BENZENE | EPA 524.2 | ND ug/l | 0.130 ug/l* | 01/05/11 12:44PM SJP |
| M&P-XYLENES | EPA 524.2 | ND ug/l | 0.350 ug/l* | 01/05/11 12:44PM SJP |
| O-XYLENE | EPA 524.2 | ND ug/l | 0.130 ug/l* | 01/05/11 12:44PM SJP |
| ISOPROPYLBENZENE | EPA 524.2 | ND ug/l | 0.120 ug/l* | 01/05/11 12:44PM SJP |
| 1,3,5-TRIMETHYLBENZENE | EPA 524.2 | ND ug/l | 0.130 ug/l* | 01/05/11 12:44PM SJP |
| 1,2,4-TRIMETHYLBENZENE | EPA 524.2 | ND ug/l | 0.170 ug/l* | 01/05/11 12:44PM SJP |
| NAPHTHALENE | EPA 524.2 | ND ug/l | 0.500 ug/l | 01/05/11 12:44PM SJP |

L3621030-2 :

QUALIFIERS: For metals parameters; "B" indicates a value that is > than the MDL but < than the laboratory quantitation limit. For Organics parameters; "B" is when the compound is found in the blank as well as in the sample; "J" indicates a value that is > than the MDL but < than the lowest standard, it is also used to indicate that a compound is tentatively identified in a library search; "E" (estimated) is when a compound exceeded the calibration range; "N" presumptive evidence of a compound; "D" is when a dilution was required.

Notes:

- A result of "ND" indicates the concentration of the analyte tested was either not detected or below the RLs.
- Definitions: ND=not detected; NEG=negative; POS=positive; COL=colonies; RLs=laboratory reporting limits; L/A=laboratory accident; TNTC=too numerous to count
- A result marked with "DRY" indicates that the result was calculated and reported on a dry weight basis.
- All analysis, except field tests are conducted in Southampton, PA unless otherwise identified.
- The test "pH lab" is analyzed upon receipt at the laboratory, the result will not be suitable for regulatory purposes.
- The reported results relate only to the samples.
- QC NELAP ID's: PA 09-00131, NJ PA166, FL E87954, NY 11223, CT PH-0768, DE PA-018, KY 90228, MD 206, EPA PA00018, Bioassay: PA 09-03574, NJ PA034, FL E87953, KS E10373, SC 89021001.

Thomas J. Hines
 Thomas J. Hines, President

QC Laboratories

Analytical Report

Account No: SK0069, LIBERTY ENVIRONMENTAL, INC. 1 WK TAT
Project No: SK0069 CINELLI, LIBERTY ENVIRONMENTAL, INC. 1 WK TAT

P.O. No: 060006 Inv. No: 1274072
PWSID No:

- QC STATE ID's: Wind Gap, NJ PA001, PA 48-01334; E RUTHERFORD NJ02015; Vineland NJ06005; Reading PA 06-03543.
- All samples are collected as "grab" samples unless otherwise identified.
- MCL= is the EPA recommended "maximum contaminant level" for a parameter. PLs=customer specific permit limits.
- The test results meet all requirements of NELAC unless otherwise specified.
- The report shall not be reproduced except in full without the written consent of the laboratory.

Regulatory authorities are assessing substantial fines for testing omissions. Please track your sample collections and results on a weekly, monthly, or quarterly basis to ensure compliance. QC's internet program 'LIVE ACCESS' will provide you with real-time access to collection dates and results. Please contact Customer Service for further information on acquiring LIVE ACCESS.
* - The "RLs" represents a reporting/quantitation limit. When an "*" is present in the column identified as the "RLs", it is being reported as a Method Detection Limit (MDL).





1205 Industrial Blvd.
Southampton, PA 18966-0514
Phone: 215-355-3900
Fax: 215-355-7231

Client/Acc. No. Liberty Environmental Inc.
Address 50 N. 5th St. Floor 1

City/State/Zip Reading PA 19601
Phone/Fax 610-375-9301

Client Contact Kelly Kinkaid
QC Contact Wendy Beard

CHAIN OF CUSTODY

Page 1 of 1

Bill to/Report to: (if different)

Sampling Site Address: (if different)

1176 Hart Lane
Worminster, PA
P.O. No. 060006

QC Contact Wendy Beard

Number of Containers

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| U | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | Other |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | | | | | | | | | | | |

Collection

Date

Military Time

Matrix Code

Matrix

Code

Time

Time

Time

Time

Time

Time

Time

Time

Time

Time

Time

Time

Time

Lab LIMS No: L3621030

LAB USE ONLY:

9278 Ascorbic/HCl Vials # HCl Vials
Na₂S₂O₃
Na OH/Zn acetate pH
HNO₃ pH
H₂SO₄ pH
NaOH pH
Unpreserved
Hcl pH

35-871800 Temp control ID#

ANALYSIS REQUESTED

524.2 - UL Gas (NEW)
524.2 - UL Gas (NEW)
524.2 - UL Gas (NEW)

MATRIX CODES

DW: DRINKING WATER
GW: GROUND WATER
WW: WASTEWATER
SO: SOIL
SL: SLUDGE
OIL: OIL
SOL: NON SOIL SOLID
MI: MISCELLANEOUS
X: OTHER

Field pH, Temp (C or F),
DO, Cl₂, S. Cond. etc.

SAMPLED BY: (Name/Company) Joe C. Reber Liberty Env.
Verbal/fax data due:
Hardcopy due:
Please call for pricing and availability on rush (<14-21 day) turnaround and on all but standard format.

Report Format: Standard Forms Disk
 Standard + QC NJ Reduced Disk

Field Parameters Analyzed By:
Date/Time:

| RELINQUISHED BY | DATE | TIME | RECEIVED BY | DATE | TIME | DELIVERY METHOD: | Custody Seal Number |
|---------------------|---------------|--------------|--------------------|---------------|--------------|--|---------------------|
| <u>Joe C. Reber</u> | <u>1/4/11</u> | <u>13:05</u> | <u>Wendy Beard</u> | <u>1/4/11</u> | <u>13:05</u> | <input type="checkbox"/> QC COURIER <input type="checkbox"/> CLIENT | |
| | | | | | | <input type="checkbox"/> UPS <input type="checkbox"/> FEDEX <input type="checkbox"/> OTHER | |
| | | | | | | COMMENTS: | |
| | | | | | | Hazardous: yes / no | |

For example to aid completion, see reverse side.

FINAL REPORT