

September 9, 2015

Attn: Mr. Paul Cho
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

RE: Report of August 10, 2015, Pipeline Release
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650
Contract No. SPO-600-14-D-5410
Project No. 04-NDLA-007

Mr. Cho:

This report was prepared by The Source Group, Inc. (SGI), to document a pipeline release that occurred on August 10, 2015, at the Defense Fuel Support Point (DFSP) Norwalk in Norwalk, California (Figure 1).

Pipeline Release and Response

The release occurred while uncovering an 8-inch-diameter buried pipeline in the western portion of the Powerine Basin in the north-central area of the site (Figure 2) at approximately 8:15 AM on August 10, 2015. The pipeline excavation was approximately 80 feet long, nine feet wide, and between two and three feet deep. The release was discovered when the excavator operator observed a neon green colored liquid leaking from the pipeline. The site geologist noted a "sweet" odor from the released liquid; hydrocarbon odors were not observed.

The area was immediately secured and a vacuum truck provided and operated by Nieto and Sons Trucking from Brea, California, was mobilized to the site. The vacuum truck arrived on site at approximately 9:30 AM and began recovering the released liquid. The released fluid was recovered from the excavation and the vacuum truck also recovered as much as possible from the broken pipeline. Approximately 160 gallons were recovered. Soil exposed to the liquid was excavated and placed on plastic sheeting pending characterization. The damaged section of the pipeline was removed and the pipeline was capped.

The Regional Water Quality Control Board (Mr. Paul Cho) was notified on August 11, 2015, by telephone. Attachment A provides a completed copy of an incident report form summarizing the release and actions taken after the pipeline was damaged.

Photographs of the pipeline release and recovery operations are provided as Attachment B.

Former DFSP Norwalk Terminal Manager, Mr. John Rifilato, was contacted to inquire whether he had any information regarding the released liquid. According to Mr. Rifilato, he could not provide specific details of what was used to fill the line; however, he did recall that the Powerine line was taken out of service in the early 1990's (Mr. John Rifilato, personal communication, August 24, 2015).

Sampling and Analytical Results – Pipeline Liquid

Based on the neon-green color of the liquid, the presence of dyed ethylene glycol was suspected to be present. A sample of the liquid was collected and submitted to Advanced Technical Laboratories (ATL) in Signal Hill, California, for analysis of ethylene glycol in accordance with

Environmental Protection Agency (EPA) Method 8015B. The sample was non-detect (<200 milligrams per liter [mg/L]) for ethylene glycol. The laboratory report is provided in Attachment C.

Because ethylene glycol was not detected in the liquid sample, a second sample was collected on August 17, 2015, and submitted to Ozark Underground Laboratory, Inc., in Protem, Missouri, to test for the presence of tracer dyes. Ozark Underground Laboratory is a private consulting and contract studies firm that provides groundwater tracing throughout North America. Since 1973, the Ozark Underground Laboratory has designed and either conducted, or assisted with, over 4,000 groundwater traces in the United States, Canada, Australia, Barbados, Indonesia, New Zealand, and Peru. Their experience with tracer dyes and testing make them ideally suited for this evaluation. The results of analysis indicated the presence of the tracer dye, fluorescein, at a concentration of 89.2 parts per million (ppm). The laboratory report is provided in Attachment C.

Sampling and Analytical Results – Soil Samples

Ten soil samples were collected from the excavation sidewalls (four samples: POWERINE-TRENCH-1 through POWERINE-TRENCH-4) and floor (six samples: POWERINE-TRENCH-5 through POWERINE-TRENCH-10) on August 11, 2015, and submitted for analysis of total petroleum hydrocarbons (TPH; carbon chain characterization) in accordance with EPA Method 8015M, volatile organic compounds (VOCs) in accordance with EPA Method 8260B, and Title 22 metals in accordance with EPA Method 6010B. Analytical results are summarized in Table 1 (TPH) and Table 2 (metals). The laboratory report is provided as Attachment D.

TPH was reported in two of the ten pipeline excavation samples (Table 1). Sample POWERINE-TRENCH-3 was reported to contain 330 milligrams per kilogram (mg/kg) and sample POWERINE-TRENCH-4 was reported to contain 120 mg/kg TPH. TPH was not detected in the remaining eight samples at or above the 10-mg/kg practical Quantitation Limit (PQL).

VOCs were not detected at or above the PQLs in any of the pipeline excavation samples.

Analytical results for metals in pipeline excavation soil samples are summarized in Table 2. Title 22 metals were detected at low concentrations, consistent with local background concentrations; antimony, beryllium, cadmium, molybdenum, selenium, silver, and thallium were not detected in any of the analyzed trench samples at or above PQLs (Table 2).

Waste Disposition

Because the analytical results indicated that no RWQCB-approved cleanup goals were exceeded, we recommend that the excavation be filled with native soil.

Drums containing the recovered liquid were picked up on September 3, 2015, by American Integrated Services, Inc., from Wilmington, California, and transported under manifest to Crosby and Overton in Long Beach, California, for disposal. A copy of the hazardous waste manifest is provided as Attachment E.

Work Completed to Identify Underground Pipelines – DFSP Norwalk

Buried pipelines were historically used to convey fuel products to and from the ASTs and pumping stations located at DFSP Norwalk. Buried pipelines were also used to deliver water via the fire hydrant system that serviced the entire facility. Additionally, intra-facility storm drains

were used to convey rainwater from the tank basins to the oil/water separate that was formerly present in the southwest corner of the facility.

During 2012, the underground petroleum pipelines, fire water lines, storm drain lines, and oil/water separator were removed. This work was documented in Parsons' February 13, 2013, report entitled *Concrete Demolition and Soil Confirmation Sampling Completion Report* (Parsons Report). In conjunction with that project, a geophysical survey was completed to evaluate the presence and location of buried pipelines located at the facility. Based on the results of that survey (See Attachment F), the identified underground pipelines were removed. However, it appears that the Powerine basin was not included in that survey and thus the pipeline encountered during SGI's work in August 2015 had not been identified or removed.

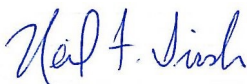
The map of buried pipelines and the Parsons Report provides substantial documentation as to the efforts made to identify and remove buried pipelines from the facility. The pipeline that was recently encountered should therefore be considered an anomaly and no additional buried pipelines are expected to be encountered. Further evidence that all underground pipelines have been removed from the site will be provided upon completion of exploratory trenches in those areas of the facility that are currently believed to be clean, and thus require no soil excavation for purposes of removing contaminated soil.

Closing

If you require additional information or would like to further discuss the information provided in this report, please contact Daniel Swensson or Neil Irish at (562) 597-1055.

Sincerely,

The Source Group, Inc.

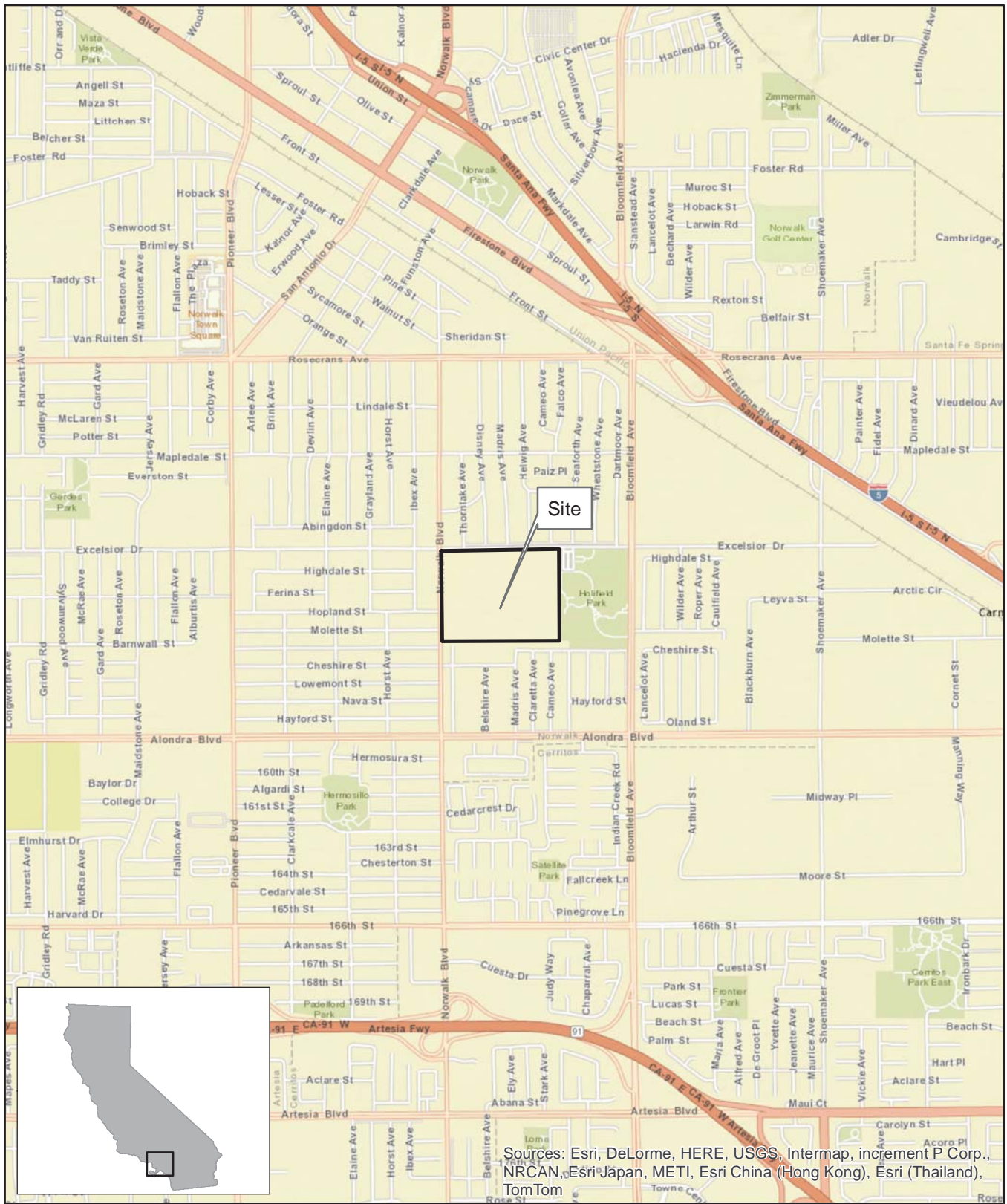


Neil F. Irish, P.G. 5484
Project Manager

- Attachments: Figure 1: Site Location Map
Figure 2: Site Plan with Pipeline Release Location
Figure 3: Excavation Soil Sample Locations
- Table 1: Analytical Results for Petroleum Hydrocarbons in Soil
Table 2: Analytical Results for Metals in Soil
- Attachment A: Incident Report
Attachment B: Photographs
Attachment C: Liquid Laboratory Reports
Attachment D: Soil Laboratory Reports
Attachment E: Liquid Manifest
Attachment F: Pipeline Map – Based on Based Geophysical Surveys

c: Nicholas Carros, DLA Energy

FIGURES



Sources: Esri, DeLorme, HERE, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom

SOURCE:
ESRI 7.5 MINUTE TOPOGRAPHIC MAP.
<http://resources.esri.com/arcgisonline/services>

| | | | |
|--------------|-----------|---------|----------|
| PROJECT NO.: | DATE: | DR. BY: | APP. BY: |
| 04-NDLA-001 | 5/28/2014 | JK | PP |

SCALE= 1:24,000

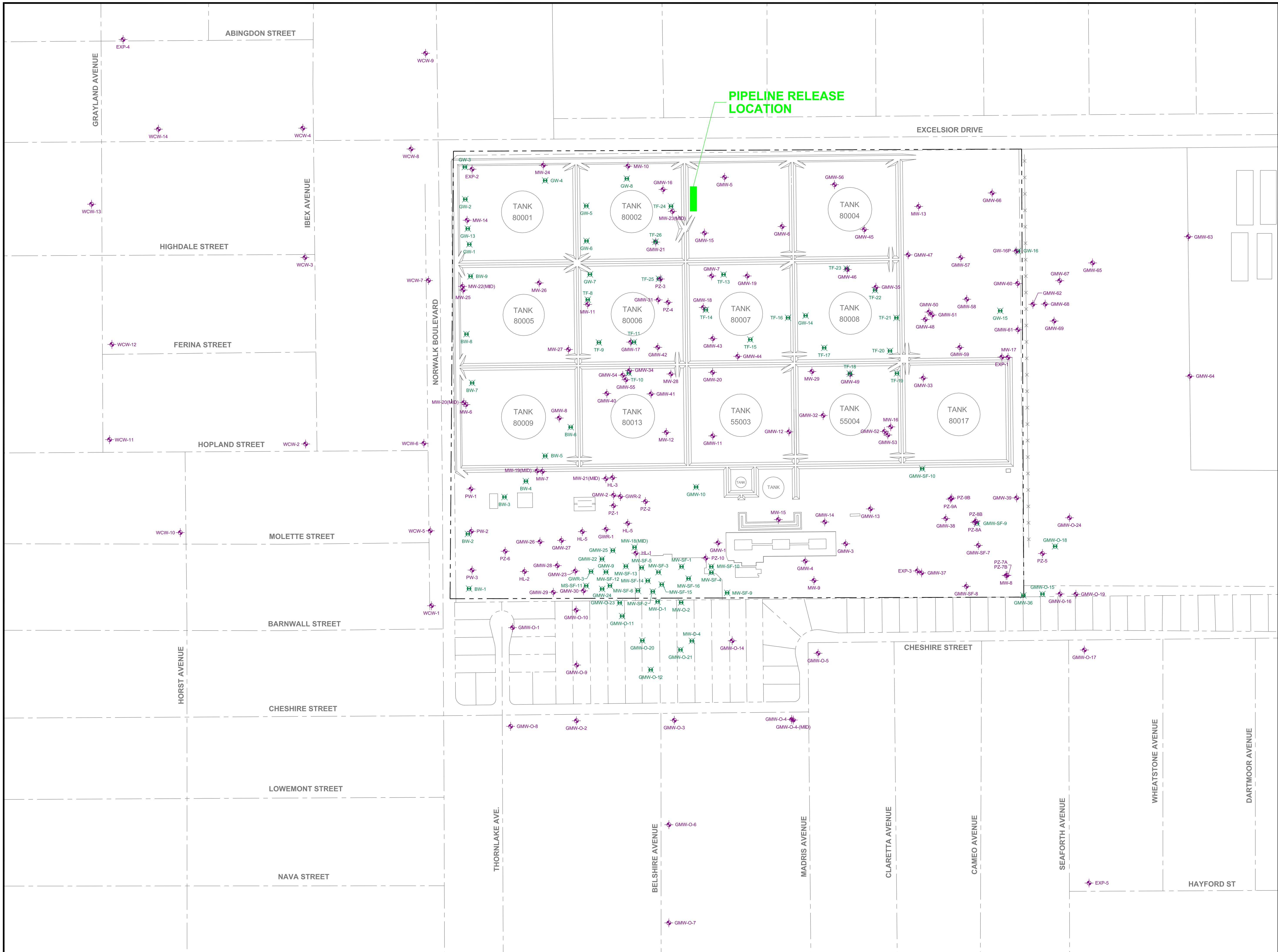


SGI THE SOURCE GROUP, INC.
environmental
1962 FREEMAN AVENUE
SIGNAL HILL, CA 90755
(562) 597-1055

**DEFENSE FUEL SUPPORT POINT
NORWALK**
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

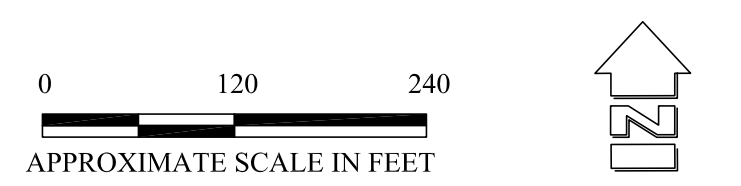
SITE LOCATION MAP

FIGURE
1



- EXPLANATION:**
- FORMER ABOVE GROUND STORAGE TANKS
 - DFSP NORWALK BORDER
 - GROUNDWATER MONITORING WELL
 - EXTRACTION WELL USED FOR VAPOR, GROUNDWATER, TOTAL FLUIDS, OR FLOATING PRODUCT EXTRACTION

- NOTES:**
- CONVERSE CONSULTANTS BORING LOCATIONS SHOWN FOR NORTH TANK FARM ONLY.
 - CONVERSE CONSULTANTS BORING 44A IN SAME LOCATION AS FLUOR DANIEL GTI BORING B44-1.
 - ALL CONTOURS IN FEET ABOVE MEAN SEA LEVEL (MSL).
 - WHITE'S POINT TUNNEL FLOOR APPROXIMATELY 12 FEET BELOW SEA LEVEL.



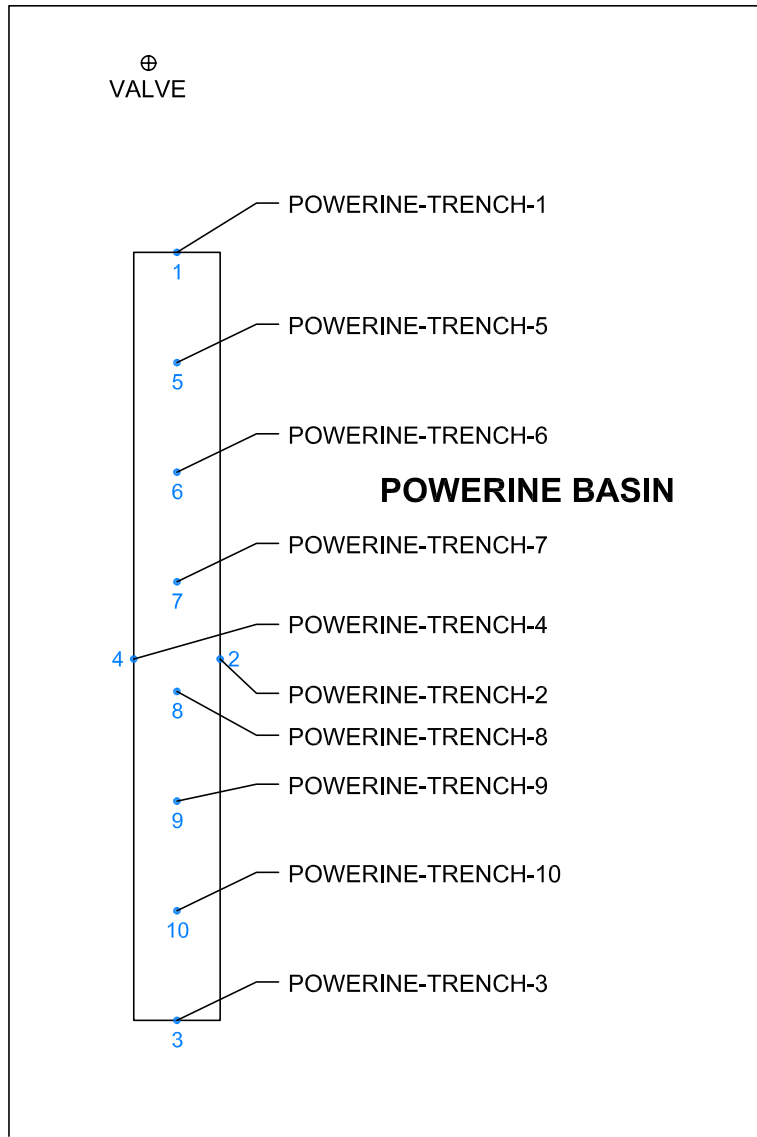
| | |
|-----------------------------|------------------------------------|
| DATE: 09/2015 | FILE NAME: DFSP-Norwalk-PRL.dwg |
| PROJECT No.: 04-NDLA-007 | CONTRACT: SPO-600-14-D-5410 |

**SITE PLAN WITH
PIPELINE RELEASE LOCATION**

DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

NORTHERN BERM / ROADWAY

WESTERN BERM



LEGEND

• 10 EXCAVATION SOIL SIDEWALL OR FLOOR SAMPLE LOCATION

NOTES:

1. SAMPLES POWERINE-TRENCH-1 THROUGH POWERINE-TRENCH-4 ARE EXCAVATION SIDEWALL SOIL SAMPLES COLLECTED AT APPROXIMATELY 1.5 FEET BELOW GROUND SURFACE ON AUGUST 11, 2015.
2. SAMPLE POWERINE-TRENCH-5 THROUGH POWERINE-TRENCH-10 ARE EXCAVATION FLOOR SOIL SAMPLES COLLECTED AT APPROXIMATELY 2 FEET BELOW GROUND SURFACE ON AUGUST 11, 2015.



THE SOURCE GROUP, Inc.

FILE NAME: DFSPN-ESSL
 DATE: 8/2015
 SOURCE:

EXCAVATION SOIL SAMPLE LOCATIONS

DFSP NORWALK
 15306 NORWALK BOULEVARD
 NORWALK, CALIFORNIA

FIGURE

3

TABLES

TABLE 1
ANALYTICAL RESULTS FOR PETROLEUM HYDROCARBONS IN SOIL
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

| Sample ID | Depth (ft bgs) | Date Sampled | Hydrocarbon Chain Identification (concentrations in mg/kg) | | | | | TPH (C8-C40) (mg/kg) |
|--------------------|----------------|--------------|--|-----------|------------|------------|-----------|----------------------|
| | | | C8-C10 | C10-C18 | C18-C28 | C28-C36 | C36-C40 | |
| POWERINE-TRENCH-1 | 1.5 | 8/11/2015 | <10 | <10 | <10 | <10 | <10 | <10 |
| POWERINE-TRENCH-2 | 1.5 | 8/11/2015 | <10 | <10 | <10 | <10 | <10 | <10 |
| POWERINE-TRENCH-3 | 1.5 | 8/11/2015 | <10 | 11 | 100 | 130 | 83 | 330 |
| POWERINE-TRENCH-4 | 1.5 | 8/11/2015 | <10 | <10 | 30 | 54 | 37 | 120 |
| POWERINE-TRENCH-5 | 2.0 | 8/11/2015 | <10 | <10 | <10 | <10 | <10 | <10 |
| POWERINE-TRENCH-6 | 2.0 | 8/11/2015 | <10 | <10 | <10 | <10 | <10 | <10 |
| POWERINE-TRENCH-7 | 2.0 | 8/11/2015 | <10 | <10 | <10 | <10 | <10 | <10 |
| POWERINE-TRENCH-8 | 2.0 | 8/11/2015 | <10 | <10 | <10 | <10 | <10 | <10 |
| POWERINE-TRENCH-9 | 2.0 | 8/11/2015 | <10 | <10 | <10 | <10 | <10 | <10 |
| POWERINE-TRENCH-10 | 2.0 | 8/11/2015 | <10 | <10 | <10 | <10 | <10 | <10 |

Notes: Samples analyzed in accordance with EPA Method 8015M.
 Detected concentrations are shown in **bold**.
 ft bgs = feet below ground surface
 mg/kg = milligrams per kilogram
 TPH = total petroleum hydrocarbons
 C8-C40 = carbon chain ranging from C8 through C40
 <10 = not detected at or above the indicated laboratory reporting limit

TABLE 2
ANALYTICAL RESULTS FOR METALS IN SOIL
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

| Sample ID | Depth (ft bgs) | Date Sampled | Sb (mg/kg) | As (mg/kg) | Ba (mg/kg) | Be (mg/kg) | Cd (mg/kg) | Cr (mg/kg) | Co (mg/kg) | Cu (mg/kg) | Pb (mg/kg) | Hg (mg/kg) | Mo (mg/kg) | Ni (mg/kg) | Se (mg/kg) | Ag (mg/kg) | Tl (mg/kg) | V (mg/kg) | Zn (mg/kg) |
|--------------------|----------------|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|------------|------------|------------|------------|-----------|------------|
| POWERINE-TRENCH-1 | 1.5 | 8/11/2015 | <2.0 | 2.4 | 84 | <1.0 | <1.0 | 14 | 6.1 | 17 | 6.6 | <0.10 | <1.0 | 11 | <1.0 | <1.0 | <1.0 | 25 | 38 |
| POWERINE-TRENCH-2 | 1.5 | 8/11/2015 | <2.0 | 1.1 | 47 | <1.0 | <1.0 | 8.6 | 4.2 | 9.7 | 1.7 | <0.10 | <1.0 | 7.0 | <1.0 | <1.0 | <1.0 | 16 | 23 |
| POWERINE-TRENCH-3 | 1.5 | 8/11/2015 | <2.0 | 2.3 | 67 | <1.0 | <1.0 | 14 | 5.5 | 15 | 27 | <0.10 | <1.0 | 10 | <1.0 | <1.0 | <1.0 | 21 | 61 |
| POWERINE-TRENCH-4 | 1.5 | 8/11/2015 | <2.0 | 2.2 | 67 | <1.0 | <1.0 | 13 | 5.5 | 15 | 18 | 0.12 | <1.0 | 11 | <1.0 | <1.0 | <1.0 | 23 | 45 |
| POWERINE-TRENCH-5 | 2.0 | 8/11/2015 | <2.0 | 2.1 | 81 | <1.0 | <1.0 | 13 | 5.8 | 15 | 6.8 | <0.10 | <1.0 | 11 | <1.0 | <1.0 | <1.0 | 24 | 37 |
| POWERINE-TRENCH-6 | 2.0 | 8/11/2015 | <2.0 | 1.9 | 82 | <1.0 | <1.0 | 14 | 6.2 | 16 | 3.4 | <0.10 | <1.0 | 11 | <1.0 | <1.0 | <1.0 | 26 | 36 |
| POWERINE-TRENCH-7 | 2.0 | 8/11/2015 | <2.0 | 1.2 | 43 | <1.0 | <1.0 | 7.9 | 3.8 | 8.3 | 1.7 | <0.10 | <1.0 | 6.4 | <1.0 | <1.0 | <1.0 | 15 | 21 |
| POWERINE-TRENCH-8 | 2.0 | 8/11/2015 | <2.0 | 1.4 | 53 | <1.0 | <1.0 | 8.4 | 4.2 | 9.8 | 2.5 | <0.10 | <1.0 | 7.1 | <1.0 | <1.0 | <1.0 | 16 | 23 |
| POWERINE-TRENCH-9 | 2.0 | 8/11/2015 | <2.0 | 1.1 | 33 | <1.0 | <1.0 | 7.2 | 3.6 | 7.3 | 1.5 | <0.10 | <1.0 | 5.9 | <1.0 | <1.0 | <1.0 | 13 | 19 |
| POWERINE-TRENCH-10 | 2.0 | 8/11/2015 | <2.0 | 2.0 | 95 | <1.0 | <1.0 | 16 | 6.9 | 19 | 4.3 | <0.10 | <1.0 | 12 | <1.0 | <1.0 | <1.0 | 27 | 38 |

Notes: Samples analyzed in accordance with EPA Methods 6010B. Detected concentrations are shown in **bold**.
 ft bgs = feet below ground surface
 mg/kg = milligrams per kilogram
 <2.0 = not detected at or above the indicated laboratory reporting limit

Sb = antimony
 As = arsenic
 Ba = barium
 Be = beryllium
 Cd = cadmium

Cr = chromium
 Co = cobalt
 Cu = copper
 Pb = lead
 Hg = mercury

Mo = molybdenum
 Ni = nickel
 Se = selenium
 Ag = silver
 Tl = thallium

V = vanadium
 Zn = zinc

ATTACHMENT A
INCIDENT REPORT

ATTACHMENT I Incident Report Form

| | |
|--|--|
| Type of incident: <input checked="" type="checkbox"/> Field <input type="checkbox"/> Administrative | |
| Name of person completing this form: Neil Irish | Person's agency name and address: The Source Group, Inc. 1962 Freeman Avenue, Signal Hill, CA 90755 |
| | Person's phone and e-mail: (562) 597-1055 nirish@thesourcegroup.net |

For Field incidents complete Sections 1 and 3. For Administrative incidents complete Section 2. See Non-Compliance Notification Schedule on Page 2.

SECTION 1: Field incidents

| | |
|---|---|
| Date(s) and time(s) of incident: | 1. Start date / time: 8-10-2015 0815 hours |
| | 2. End date / time: 8-10-2015 0930 hours |
| Location of Incident: County: <u>Los Angeles</u> | 3. Nearest city / town: Norwalk, CA |
| | 4. Street address / nearest cross street: 15306 Norwalk Blvd. |
| | 5. Latitude / Longitude: |
| Materials involved in the incident: (use Comments Section below if necessary): | 6. Name(s) of material(s) discharged: Water with fluorescein (suspected) dye. |
| | 7. Approximate quantity discharged (specify units): 200 gallons |
| | 8. Approximate concentration of material: 100% |
| Discharge to surface water? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If yes, answer questions 9-11 | 9. Name of waterbody: |
| | 10. Apparent effects (if any) on waterbody: |
| Was CalEMA notified? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If yes, answer questions 12-14 | 11. Estimated extent of impacts to waterbody: |
| | 12. Date and time of notification: |
| Was the Regional Water Board (RWB) notified? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes If yes, answer questions 15-17 | 13. Name of person making the notification: |
| | 14. Phone number of person making the notification: |
| Were downgradient communities / people notified? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If yes, answer questions 18 - 20 | 15. Name of RWB contact: Paul Cho |
| | 16. RWB contact's phone / e-mail: (213) 576-6721 Paul.cho@waterboards.ca.gov |
| | 17. Name of person making the notification: Neil Irish |
| | 18. Date and time of notification: |
| | 19. Name of person making the notification: |
| | 20. Phone number of person making the notification: |
| | 21. Name of downgradient community/ person: |
| Field Non-Compliance (check all that apply) | |
| <input type="checkbox"/> | Lack of BMP(s), ineffective implementation of BMP(s), or failure of BMP(s) resulted in a discharge of pollutants to surface water. |
| <input type="checkbox"/> | Monitoring data indicates an exceedance of a defined standard. Defined standards include TMDL Waste Load Allocations, and water quality standards in the Water Quality Control Plans and promulgated policies and regulations of the State and Regional Water Boards, including California Ocean Plan limitations and prohibitions. |
| <input type="checkbox"/> | Discharge of prohibited non-storm water. |
| <input type="checkbox"/> | Failure to comply with Facility Pollution Prevention Plan (FPPP) requirements. |
| <input type="checkbox"/> | Failure to comply with inspection, monitoring, and reporting requirements and protocols. |
| <input type="checkbox"/> | Other (describe - use Comments Section below if needed): |

SECTION 2: Administrative Non-Compliance (check all that apply)

| | |
|--------------------------|--|
| <input type="checkbox"/> | Failure to submit reports or documents required by the Permit and/or SWMP, failure of timely submittal, and/or failure to submit required information. |
| <input type="checkbox"/> | Failure to develop and/or maintain a site-specific FPPP or to implement any other procedural requirement of the Permit. |
| <input type="checkbox"/> | Other (describe - use Comments Section below if needed): |

SECTION 3: Description of Incident

Activities in the area prior to the incident (If any): Excavating soil as part of RWQCB-approved remediation project.
Strike of buried, unmarked pipeline. Pipeline was idle and filled with water dyed with fluorescein (suspected) tracer.

Initial assessment of any impact caused by the discharge (If any): A sample of the liquid was submitted to the laboratory. Soil exposed to the liquid was excavated and placed on plastic, pending characterization and off-site disposal. Analytical results are attached.

Samples collected and analyses requested (If any): Soil samples submitted to determine concentrations of TPH, metals, & VOCs in sidewall and base of excavation after soil was removed.

Steps taken to mitigate damage and prevent reoccurrence (If any): Vacuum truck removed liquid from the pipeline. The damaged section of the pipeline was removed. The pipeline capped.

Current Status: Excavation is open.

Schedule for proposed mitigation/abatement (If any): Abatement has been performed; based on analytical results, no further actions are required.

Other Comments:

Non-Compliance Notification Schedule

| Type of Incident | Within 5 Working Days (Verbal) | Within 10 Working Days (Written) | Within 30 Calendar Days (Written) | In Annual Report |
|----------------------------------|--|---|---|---|
| Emergency Incidents ¹ | — | — | — | Chronological summary and status of all incidents |
| Field ² | Notify RWB Executive Officer | To RWB Executive Officer and copies to Dept. HQ | — | Chronological summary and status of all incidents |
| Administrative ³ | Notify RWB Executive Officer or SWB Contact ³ | — | To RWB Executive Officer, SWB Executive Director, and copies to Dept. HQ. | Chronological summary and status of all incidents |

¹ Sudden, unexpected, unpreventable incidents that threaten public health, public safety, property, or the environment that pose a clear and imminent danger requiring immediate action to prevent or mitigate the damage or threat, and that result in a discharge or potential discharge.

² Failure to meet any non-administrative requirement of the SWMP or Permit or to meet any applicable water quality standard. This includes failure to install required BMPs or conduct required monitoring or maintenance. It also includes discharges or prohibited non-storm water that do not meet the definition of emergency incidents. It does not include determinations by the Department or a Regional Water Board Executive Officer that a discharge is causing or contributing to an exceedance of an applicable WQS. See provision E.2.c.6)c).

³ Failure to meet any administrative or procedural requirement of the SWMP or Permit including submission of required reports, notifications and certifications. The report of non-compliance shall be submitted to the same organization (State or Regional Water Board) to which the required report was originally due.

Certification – I certify that under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| | | | |
|---|--------------------------|-----------------------------|-------------------|
| Signature of Contractor (if applicable) | Title PROJECT MANAGER | Telephone (562) 597-1055 | Date: 9-1-2015 |
| Signature of Department Representative | Title | Telephone | Date: |

ATTACHMENT B
PHOTOGRAPHS



Photo 1: Vacuum truck recovering liquids directly from the damaged pipeline.



Photo 2: Vacuum truck recovering liquids from pipeline excavation.



Photo 3: Vacuum truck recovering liquids from pipeline excavation.



Photo 4: Facing north; Broken pipeline.



Photo 5: Facing north; Vacuum truck recovering residual liquids from the broken pipeline.

ATTACHMENT C

LABORATORY REPORTS – PIPELINE LIQUID

August 11, 2015

Neil Irish
The Source Group, Inc.
1962 Freeman Avenue
Signal Hill, CA 90755
Tel: (562) 597-1055
Fax: (562) 597-1070

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No. : T104704502

Re: ATL Work Order Number : 1502736

Client Reference : NORWALK DFSP, 04-NDLA-007/3-1

Enclosed are the results for sample(s) received on August 10, 2015 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,



Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill , CA 90755

Project Number : NORWALK DFSP, 04-NDLA-007/3-1

Report To : Neil Irish

Reported : 08/11/2015

SUMMARY OF SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------------|---------------|--------|---------------|---------------|
| POWERINE-WEST-PIPELINE | 1502736-01 | Liquid | 8/10/15 11:15 | 8/10/15 13:18 |



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill , CA 90755

Project Number : NORWALK DFSP, 04-NDLA-007/3-1

Report To : Neil Irish

Reported : 08/11/2015

Notes and Definitions

| | |
|-----|---|
| ND | Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL) |
| PQL | Practical Quantitation Limit |
| MDL | Method Detection Limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |
| CA2 | CA-ELAP (CDPH) |
| OR1 | OR-NELAP (OSPHL) |
| TX1 | TX-NELAP (TCEQ) |

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instruction: Complete all shaded areas.

For Laboratory Use Only ATLCC Ver. 20130711

| Method of Transport | Condition | Y | N | Condition | Y | N |
|--|---|--------------------------|--------------------------|--|-------------------------------------|--------------------------|
| <input checked="" type="checkbox"/> Client | <input type="checkbox"/> CHILLED | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> 5. # OF SAMPLES MATCH COC | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> ATL | <input type="checkbox"/> HEADSPACE (VOA) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> 6. PRESERVED | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> FedEx | <input type="checkbox"/> CONTAINER IMPACT | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> 7. COOLER TEMP. deg. C: | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> GSO | <input type="checkbox"/> A. SEALED | <input type="checkbox"/> | <input type="checkbox"/> | | | |
| <input type="checkbox"/> Other: | | | | | | |

Company: **SGI** Address: **1962 Freeman Ave** State: **CA** Zip: **90755** Tel: **562-597-1055**
 Attn: **Neil Irish** Email: **nirish@thesourcegroup.net** Fax: **562-597-1070**
 Company: **SGI** Address: **Signal Hill** State: **CA** Zip: **90755** SEND INVOICE TO: Same as SEND REPORT TO

Project Name: **NORWALK DFSP** Quote No: **04-NDLA-007/3-1** PO #: **PO #:**
 Project No.: **04-NDLA-007/3-1** PO #: **PO #:**
 Sampler: **Deryck Roberts** Special Instructions/Comments: **24 hr + urk TAT**

| ITEM | Lab No. | Sample ID / Location | Sample Description | Date | Time |
|------|------------|---------------------------|--------------------|---------|------|
| 1 | 1502736-01 | POWERLINE - WEST-PIPELINE | | 8-10-15 | 1115 |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| 6 | | | | | |
| 7 | | | | | |
| 8 | | | | | |
| 9 | | | | | |
| 10 | | | | | |

| Encircle Sample Matrix | Encircle or Write Requested Analysis | Container | QA/QC |
|---------------------------|--------------------------------------|------------|--|
| SOIL / SEDIMENT / SLUDGE | 8260 / 624 (Volatiles) | 8015 (GRO) | <input type="checkbox"/> Routine |
| SOLIDS / WIPE / FILTER | 8015 (DRO) | 8015 (GRO) | <input type="checkbox"/> Caltrans |
| WATER - DRINKING / GROUND | 8270 (Semi-volatiles) | 8015 (DRO) | <input type="checkbox"/> Legal |
| WATER - STORM / WASTE | 8081 (Organochlorine Pesticides) | 8015 (DRO) | <input type="checkbox"/> RW/QCB |
| AQUEOUS / LAYERED - OIL | 8082 (PCBs) | 8015 (DRO) | <input type="checkbox"/> Level IV |
| TAT | 6010 / 7000 (Title 22 Metals) | 8015 (DRO) | REMARKS |
| | TO-15 | 8015 (DRO) | 5-Zn (LA)2; 6-NaOH; 7-NA2S2O3 |
| | X Ethylene Glycol | 8015 (DRO) | Preservative: 1-HCl, 2-HNO3, 3-H2SO4, 4-Ac |
| | | 8015 (DRO) | Material: 1-Glass, 2-Plastic, 3-Metal |
| | | 8015 (DRO) | Type: 1-Tube, 2-VOA, 3-Liter, 4-Pint |
| | | 8015 (DRO) | 5-Ltr, 6-Tedlar, 7-Canister |

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.

Signature: **Deryck Roberts** Date: **8/10/15** Time: **1318**
 Submitter Print Name: **Deryck Roberts**

Relinquished by: **Deryck Roberts** Date: **8/10/15** Time: **1318**
 Relinquished by: (Signature and Printed Name)

Relinquished by: (Signature and Printed Name) Date: Time:
 Relinquished by: (Signature and Printed Name) Date: Time:

7. Electronic records maintained for 14 calendar days after receipt of samples.
 8. Hard copy reports will be disposed of after 45 calendar days from report date.
 9. Storage and Report Fees:
 - Liquid & solid samples: complimentary storage for forty-five (45) calendar days from receipt of samples; \$2/sample/month if extended storage is requested.
 - Air samples: complimentary storage for ten (10) calendar days from receipt of samples; \$20/sample/week if extended storage is requested.
 - Hard copy and regenerated reports/EDDs: \$17.50 per hard copy report requested; \$50.00 per regenerated/reforma? ed report; \$35 per processed EDD.
 10. Rush TCP/STLC samples: add 2 days to analysis TAT for extraction on procedure.
 11. Unanalyzed samples will incur a disposal fee of \$7 per sample.

Certificate of Analysis

Date of certificate: August 21, 2015

Client: The Source Group, Inc.
1962 Freeman Avenue
Signal Hill, CA 90755

Project name / location: DFSP Norwalk / Norwalk, CA

P.O. number: 04-NDLA-007

Contact person: Daniel Swensson (dswensson@thesourcegroup.net)

Samples collected by: Deryck Roberts

Date samples shipped: August 17, 2015

Date samples rec'd at OUL: August 18, 2015

Date analyzed by OUL: August 20, 2015

Included with certificate of analysis: Table of results and copy of The Source Group, Inc. chain of custody record

Results for a water sample analyzed for the presence of fluorescein, eosine, rhodamine WT (RWT), and sulforhodamine B (SRB) dyes.

Peak wavelengths are reported in nanometers (nm); dye concentrations are reported in parts per billion (ppb).

| OUL Number | Station Name | Date/Time Collected | Fluorescein | | Eosine | | RWT | | SRB | |
|------------|-----------------|---------------------|-------------|------------|-----------|------------|-----------|------------|-----------|------------|
| | | | Peak (nm) | Conc (ppb) | Peak (nm) | Conc (ppb) | Peak (nm) | Conc (ppb) | Peak (nm) | Conc (ppb) |
| Y9275 | Powerine-PIPE-1 | 8/17/15 0845 | 507.6 | 89,200 | ND | | ND | | ND | |

Note: Dye concentrations are based upon standards used at the OUL. The standard concentrations are based upon the as sold weight of the dye that the OUL uses. If the client is not using OUL dyes, the client should provide the OUL with a sample of the dye to compare to the OUL dyes.

Footnote: ND = No dye detected

Thomas J. Aley, PHG and RG



ATTACHMENT D
LABORATORY REPORTS – SOIL SAMPLES

August 20, 2015

Neil Irish
The Source Group, Inc.
1962 Freeman Avenue
Signal Hill, CA 90755
Tel: (562) 597-1055
Fax:(562) 597-1070

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No. : T104704502

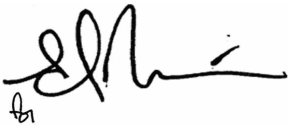
Re: ATL Work Order Number : 1502770

Client Reference : NORWALK NDLA, 04-NDLA-007

Enclosed are the results for sample(s) received on August 11, 2015 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,



Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill , CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007

Report To : Neil Irish

Reported : 08/20/2015

SUMMARY OF SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---------------------|---------------|--------|---------------|---------------|
| POWERINE-TRENCH -1 | 1502770-01 | Soil | 8/11/15 14:05 | 8/11/15 16:18 |
| POWERINE-TRENCH -2 | 1502770-02 | Soil | 8/11/15 14:10 | 8/11/15 16:18 |
| POWERINE-TRENCH -3 | 1502770-03 | Soil | 8/11/15 14:13 | 8/11/15 16:18 |
| POWERINE-TRENCH -4 | 1502770-04 | Soil | 8/11/15 14:20 | 8/11/15 16:18 |
| POWERINE-TRENCH -5 | 1502770-05 | Soil | 8/11/15 14:24 | 8/11/15 16:18 |
| POWERINE-TRENCH -6 | 1502770-06 | Soil | 8/11/15 14:30 | 8/11/15 16:18 |
| POWERINE-TRENCH -7 | 1502770-07 | Soil | 8/11/15 14:38 | 8/11/15 16:18 |
| POWERINE-TRENCH -8 | 1502770-08 | Soil | 8/11/15 14:42 | 8/11/15 16:18 |
| POWERINE-TRENCH -9 | 1502770-09 | Soil | 8/11/15 14:47 | 8/11/15 16:18 |
| POWERINE-TRENCH -10 | 1502770-10 | Soil | 8/11/15 14:53 | 8/11/15 16:18 |



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill, CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007

Report To : Neil Irish

Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -1

Lab ID: 1502770-01

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|------------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| Antimony | ND | 2.0 | 1 | B5H0417 | 08/17/2015 | 08/17/15 15:25 | |
| Arsenic | 2.4 | 1.0 | 1 | B5H0417 | 08/17/2015 | 08/17/15 15:25 | |
| Barium | 84 | 1.0 | 1 | B5H0417 | 08/17/2015 | 08/17/15 15:25 | |
| Beryllium | ND | 1.0 | 1 | B5H0417 | 08/17/2015 | 08/17/15 15:25 | |
| Cadmium | ND | 1.0 | 1 | B5H0417 | 08/17/2015 | 08/17/15 15:25 | |
| Chromium | 14 | 1.0 | 1 | B5H0417 | 08/17/2015 | 08/17/15 15:25 | |
| Cobalt | 6.1 | 1.0 | 1 | B5H0417 | 08/17/2015 | 08/17/15 15:25 | |
| Copper | 17 | 2.0 | 1 | B5H0417 | 08/17/2015 | 08/17/15 15:25 | |
| Lead | 6.6 | 1.0 | 1 | B5H0417 | 08/17/2015 | 08/17/15 15:25 | |
| Molybdenum | ND | 1.0 | 1 | B5H0417 | 08/17/2015 | 08/17/15 15:25 | |
| Nickel | 11 | 1.0 | 1 | B5H0417 | 08/17/2015 | 08/17/15 15:25 | |
| Selenium | ND | 1.0 | 1 | B5H0417 | 08/17/2015 | 08/17/15 15:25 | |
| Silver | ND | 1.0 | 1 | B5H0417 | 08/17/2015 | 08/17/15 15:25 | |
| Thallium | ND | 1.0 | 1 | B5H0417 | 08/17/2015 | 08/17/15 15:25 | |
| Vanadium | 25 | 1.0 | 1 | B5H0417 | 08/17/2015 | 08/17/15 15:25 | |
| Zinc | 38 | 1.0 | 1 | B5H0417 | 08/17/2015 | 08/17/15 15:25 | |

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| Mercury | ND | 0.10 | 1 | B5H0421 | 08/17/2015 | 08/17/15 15:20 | |

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: CR

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|--------------------------------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| C8-C10 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 17:22 | |
| C10-C18 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 17:22 | |
| C18-C28 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 17:22 | |
| C28-C36 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 17:22 | |
| C36-C40 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 17:22 | |
| C8-C40 Total | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 17:22 | |
| Surrogate: <i>p</i> -Terphenyl | 93.3 % | 62 - 138 | | B5H0426 | 08/17/2015 | 08/17/15 17:22 | |



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill, CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007

Report To : Neil Irish

Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -1

Lab ID: 1502770-01

Volatile Organic Compounds by EPA 8260B

Analyst: AG

| Analyte | Result (ug/kg) | PQL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|-----------------------------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| 1,1,1-Trichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| 1,1,2-Trichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| 1,1-Dichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| 1,1-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| 1,1-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| 1,2,3-Trichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| 1,2-Dibromo-3-chloropropane | ND | 10 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| 1,2-Dibromoethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| 1,2-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| 1,2-Dichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| 1,2-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| 1,3-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| 1,3-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| 1,4-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| 2,2-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| 2-Chlorotoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| 4-Chlorotoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| 4-Isopropyltoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Benzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Bromobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Bromochloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Bromodichloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Bromoform | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Bromomethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Carbon disulfide | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Carbon tetrachloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Chlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Chloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Chloroform | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Chloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| cis-1,2-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill, CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007

Report To : Neil Irish

Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -1

Lab ID: 1502770-01

Volatile Organic Compounds by EPA 8260B

Analyst: AG

| Analyte | Result (ug/kg) | PQL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|-------------------|-----------------|----------|---------|------------|-----------------------|-------|
| cis-1,3-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Di-isopropyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Dibromochloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Dibromomethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Dichlorodifluoromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Ethyl Acetate | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Ethyl Ether | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Ethyl tert-butyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Ethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Freon-113 | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Hexachlorobutadiene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Isopropylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| m,p-Xylene | ND | 10 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Methylene chloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| MTBE | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| n-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| n-Propylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Naphthalene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| o-Xylene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| sec-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Styrene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| tert-Amyl methyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| tert-Butanol | ND | 100 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| tert-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Tetrachloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Toluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| trans-1,2-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| trans-1,3-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Trichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Trichlorofluoromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Vinyl acetate | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| Vinyl chloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:01 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>72.6 %</i> | <i>20 - 189</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 10:01</i> | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>110 %</i> | <i>20 - 173</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 10:01</i> | |
| <i>Surrogate: Dibromofluoromethane</i> | <i>90.2 %</i> | <i>26 - 178</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 10:01</i> | |
| <i>Surrogate: Toluene-d8</i> | <i>87.4 %</i> | <i>31 - 166</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 10:01</i> | |



Certificate of Analysis

The Source Group, Inc.
 1962 Freeman Avenue
 Signal Hill , CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007
 Report To : Neil Irish
 Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -2

Lab ID: 1502770-02

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|------------|----------------|-------------|----------|---------|------------|--------------------|-------|
| Antimony | ND | 2.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:17 | |
| Arsenic | 1.1 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:17 | |
| Barium | 47 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:17 | |
| Beryllium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:17 | |
| Cadmium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:17 | |
| Chromium | 8.6 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:17 | |
| Cobalt | 4.2 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:17 | |
| Copper | 9.7 | 2.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:17 | |
| Lead | 1.7 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:17 | |
| Molybdenum | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:17 | |
| Nickel | 7.0 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:17 | |
| Selenium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:17 | |
| Silver | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:17 | |
| Thallium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:17 | |
| Vanadium | 16 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:17 | |
| Zinc | 23 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:17 | |

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---------|----------------|-------------|----------|---------|------------|--------------------|-------|
| Mercury | ND | 0.10 | 1 | B5H0421 | 08/17/2015 | 08/17/15 15:23 | |

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: CR

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|--------------------------------|----------------|-------------|----------|---------|------------|--------------------|-------|
| C8-C10 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 14:33 | |
| C10-C18 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 14:33 | |
| C18-C28 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 14:33 | |
| C28-C36 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 14:33 | |
| C36-C40 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 14:33 | |
| C8-C40 Total | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 14:33 | |
| Surrogate: <i>p</i> -Terphenyl | 110 % | 62 - 138 | | B5H0426 | 08/17/2015 | 08/17/15 14:33 | |



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill, CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007

Report To : Neil Irish

Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -2

Lab ID: 1502770-02

Volatile Organic Compounds by EPA 8260B

Analyst: AG

| Analyte | Result (ug/kg) | PQL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|-----------------------------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| 1,1,1-Trichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| 1,1,2-Trichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| 1,1-Dichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| 1,1-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| 1,1-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| 1,2,3-Trichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| 1,2-Dibromo-3-chloropropane | ND | 10 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| 1,2-Dibromoethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| 1,2-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| 1,2-Dichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| 1,2-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| 1,3-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| 1,3-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| 1,4-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| 2,2-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| 2-Chlorotoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| 4-Chlorotoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| 4-Isopropyltoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Benzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Bromobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Bromochloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Bromodichloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Bromoform | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Bromomethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Carbon disulfide | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Carbon tetrachloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Chlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Chloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Chloroform | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Chloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| cis-1,2-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill, CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007

Report To : Neil Irish

Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -2

Lab ID: 1502770-02

Volatile Organic Compounds by EPA 8260B

Analyst: AG

| Analyte | Result (ug/kg) | PQL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|-------------------|-----------------|----------|---------|------------|-----------------------|-------|
| cis-1,3-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Di-isopropyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Dibromochloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Dibromomethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Dichlorodifluoromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Ethyl Acetate | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Ethyl Ether | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Ethyl tert-butyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Ethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Freon-113 | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Hexachlorobutadiene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Isopropylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| m,p-Xylene | ND | 10 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Methylene chloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| MTBE | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| n-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| n-Propylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Naphthalene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| o-Xylene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| sec-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Styrene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| tert-Amyl methyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| tert-Butanol | ND | 100 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| tert-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Tetrachloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Toluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| trans-1,2-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| trans-1,3-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Trichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Trichlorofluoromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Vinyl acetate | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| Vinyl chloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:20 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>68.1 %</i> | <i>20 - 189</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 10:20</i> | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>111 %</i> | <i>20 - 173</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 10:20</i> | |
| <i>Surrogate: Dibromofluoromethane</i> | <i>86.3 %</i> | <i>26 - 178</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 10:20</i> | |
| <i>Surrogate: Toluene-d8</i> | <i>85.7 %</i> | <i>31 - 166</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 10:20</i> | |



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill , CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007
Report To : Neil Irish
Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -3

Lab ID: 1502770-03

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|-----------------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| Antimony | ND | 2.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:25 | |
| Arsenic | 2.3 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:25 | |
| Barium | 67 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:25 | |
| Beryllium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:25 | |
| Cadmium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:25 | |
| Chromium | 14 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:25 | |
| Cobalt | 5.5 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:25 | |
| Copper | 15 | 2.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:25 | |
| Lead | 27 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:25 | |
| Molybdenum | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:25 | |
| Nickel | 10 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:25 | |
| Selenium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:25 | |
| Silver | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:25 | |
| Thallium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:25 | |
| Vanadium | 21 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:25 | |
| Zinc | 61 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:25 | |

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| Mercury | ND | 0.10 | 1 | B5H0421 | 08/17/2015 | 08/17/15 15:25 | |

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: CR

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|-------------------------------|-------------------|-----------------|----------|---------|------------|-----------------------|-------|
| C8-C10 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 18:13 | |
| C10-C18 | 11 | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 18:13 | |
| C18-C28 | 100 | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 18:13 | |
| C28-C36 | 130 | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 18:13 | |
| C36-C40 | 83 | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 18:13 | |
| C8-C40 Total | 330 | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 18:13 | |
| <i>Surrogate: p-Terphenyl</i> | <i>84.1 %</i> | <i>62 - 138</i> | | B5H0426 | 08/17/2015 | <i>08/17/15 18:13</i> | |



Certificate of Analysis

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Project Number : NORWALK NDLA, 04-NDLA-007

Report To : Neil Irish

Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -3

Lab ID: 1502770-03

Volatile Organic Compounds by EPA 8260B

Analyst: AG

| Analyte | Result (ug/kg) | PQL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|-----------------------------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| 1,1,1-Trichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| 1,1,2-Trichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| 1,1-Dichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| 1,1-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| 1,1-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| 1,2,3-Trichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| 1,2-Dibromo-3-chloropropane | ND | 10 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| 1,2-Dibromoethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| 1,2-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| 1,2-Dichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| 1,2-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| 1,3-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| 1,3-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| 1,4-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| 2,2-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| 2-Chlorotoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| 4-Chlorotoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| 4-Isopropyltoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Benzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Bromobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Bromochloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Bromodichloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Bromoform | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Bromomethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Carbon disulfide | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Carbon tetrachloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Chlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Chloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Chloroform | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Chloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| cis-1,2-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill, CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007

Report To : Neil Irish

Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -3

Lab ID: 1502770-03

Volatile Organic Compounds by EPA 8260B

Analyst: AG

| Analyte | Result (ug/kg) | PQL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|-------------------|-----------------|----------|---------|------------|-----------------------|-------|
| cis-1,3-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Di-isopropyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Dibromochloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Dibromomethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Dichlorodifluoromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Ethyl Acetate | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Ethyl Ether | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Ethyl tert-butyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Ethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Freon-113 | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Hexachlorobutadiene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Isopropylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| m,p-Xylene | ND | 10 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Methylene chloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| MTBE | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| n-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| n-Propylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Naphthalene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| o-Xylene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| sec-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Styrene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| tert-Amyl methyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| tert-Butanol | ND | 100 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| tert-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Tetrachloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Toluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| trans-1,2-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| trans-1,3-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Trichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Trichlorofluoromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Vinyl acetate | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| Vinyl chloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:39 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>70.9 %</i> | <i>20 - 189</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 10:39</i> | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>108 %</i> | <i>20 - 173</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 10:39</i> | |
| <i>Surrogate: Dibromofluoromethane</i> | <i>84.9 %</i> | <i>26 - 178</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 10:39</i> | |
| <i>Surrogate: Toluene-d8</i> | <i>81.4 %</i> | <i>31 - 166</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 10:39</i> | |



Certificate of Analysis

The Source Group, Inc.
 1962 Freeman Avenue
 Signal Hill , CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007
 Report To : Neil Irish
 Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -4

Lab ID: 1502770-04

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|-----------------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| Antimony | ND | 2.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:26 | |
| Arsenic | 2.2 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:26 | |
| Barium | 67 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:26 | |
| Beryllium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:26 | |
| Cadmium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:26 | |
| Chromium | 13 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:26 | |
| Cobalt | 5.5 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:26 | |
| Copper | 15 | 2.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:26 | |
| Lead | 18 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:26 | |
| Molybdenum | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:26 | |
| Nickel | 11 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:26 | |
| Selenium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:26 | |
| Silver | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:26 | |
| Thallium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:26 | |
| Vanadium | 23 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:26 | |
| Zinc | 45 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:26 | |

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| Mercury | 0.12 | 0.10 | 1 | B5H0421 | 08/17/2015 | 08/17/15 15:27 | |

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: CR

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|-------------------------------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| C8-C10 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 17:39 | |
| C10-C18 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 17:39 | |
| C18-C28 | 30 | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 17:39 | |
| C28-C36 | 54 | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 17:39 | |
| C36-C40 | 37 | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 17:39 | |
| C8-C40 Total | 120 | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 17:39 | |
| <i>Surrogate: p-Terphenyl</i> | 96.2 % | 62 - 138 | | B5H0426 | 08/17/2015 | 08/17/15 17:39 | |



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill, CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007

Report To : Neil Irish

Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -4

Lab ID: 1502770-04

Volatile Organic Compounds by EPA 8260B

Analyst: AG

| Analyte | Result (ug/kg) | PQL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|-----------------------------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| 1,1,1-Trichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| 1,1,2-Trichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| 1,1-Dichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| 1,1-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| 1,1-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| 1,2,3-Trichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| 1,2-Dibromo-3-chloropropane | ND | 10 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| 1,2-Dibromoethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| 1,2-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| 1,2-Dichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| 1,2-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| 1,3-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| 1,3-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| 1,4-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| 2,2-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| 2-Chlorotoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| 4-Chlorotoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| 4-Isopropyltoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Benzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Bromobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Bromochloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Bromodichloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Bromoform | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Bromomethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Carbon disulfide | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Carbon tetrachloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Chlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Chloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Chloroform | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Chloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| cis-1,2-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill, CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007
Report To : Neil Irish
Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -4

Lab ID: 1502770-04

Volatile Organic Compounds by EPA 8260B

Analyst: AG

| Analyte | Result (ug/kg) | PQL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|-------------------|-----------------|----------|---------|------------|-----------------------|-------|
| cis-1,3-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Di-isopropyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Dibromochloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Dibromomethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Dichlorodifluoromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Ethyl Acetate | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Ethyl Ether | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Ethyl tert-butyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Ethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Freon-113 | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Hexachlorobutadiene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Isopropylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| m,p-Xylene | ND | 10 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Methylene chloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| MTBE | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| n-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| n-Propylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Naphthalene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| o-Xylene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| sec-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Styrene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| tert-Amyl methyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| tert-Butanol | ND | 100 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| tert-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Tetrachloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Toluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| trans-1,2-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| trans-1,3-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Trichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Trichlorofluoromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Vinyl acetate | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| Vinyl chloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 10:57 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>71.8 %</i> | <i>20 - 189</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 10:57</i> | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>109 %</i> | <i>20 - 173</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 10:57</i> | |
| <i>Surrogate: Dibromofluoromethane</i> | <i>84.7 %</i> | <i>26 - 178</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 10:57</i> | |
| <i>Surrogate: Toluene-d8</i> | <i>87.4 %</i> | <i>31 - 166</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 10:57</i> | |



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill, CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007
Report To : Neil Irish
Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -5

Lab ID: 1502770-05

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|------------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| Antimony | ND | 2.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:28 | |
| Arsenic | 2.1 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:28 | |
| Barium | 81 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:28 | |
| Beryllium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:28 | |
| Cadmium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:28 | |
| Chromium | 13 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:28 | |
| Cobalt | 5.8 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:28 | |
| Copper | 15 | 2.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:28 | |
| Lead | 6.8 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:28 | |
| Molybdenum | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:28 | |
| Nickel | 11 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:28 | |
| Selenium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:28 | |
| Silver | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:28 | |
| Thallium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:28 | |
| Vanadium | 24 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:28 | |
| Zinc | 37 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:28 | |

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| Mercury | ND | 0.10 | 1 | B5H0421 | 08/17/2015 | 08/17/15 15:33 | |

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: CR

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|--------------------------------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| C8-C10 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 17:56 | |
| C10-C18 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 17:56 | |
| C18-C28 | 13 | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 17:56 | |
| C28-C36 | 52 | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 17:56 | |
| C36-C40 | 45 | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 17:56 | |
| C8-C40 Total | 110 | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 17:56 | |
| Surrogate: <i>p</i> -Terphenyl | 94.6 % | 62 - 138 | | B5H0426 | 08/17/2015 | 08/17/15 17:56 | |



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill, CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007

Report To : Neil Irish

Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -5

Lab ID: 1502770-05

Volatile Organic Compounds by EPA 8260B

Analyst: AG

| Analyte | Result (ug/kg) | PQL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|-----------------------------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| 1,1,1-Trichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| 1,1,2-Trichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| 1,1-Dichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| 1,1-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| 1,1-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| 1,2,3-Trichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| 1,2-Dibromo-3-chloropropane | ND | 10 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| 1,2-Dibromoethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| 1,2-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| 1,2-Dichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| 1,2-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| 1,3-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| 1,3-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| 1,4-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| 2,2-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| 2-Chlorotoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| 4-Chlorotoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| 4-Isopropyltoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Benzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Bromobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Bromochloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Bromodichloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Bromoform | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Bromomethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Carbon disulfide | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Carbon tetrachloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Chlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Chloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Chloroform | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Chloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| cis-1,2-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill, CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007

Report To : Neil Irish

Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -5

Lab ID: 1502770-05

Volatile Organic Compounds by EPA 8260B

Analyst: AG

| Analyte | Result (ug/kg) | PQL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|-------------------|-----------------|----------|---------|------------|-----------------------|-------|
| cis-1,3-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Di-isopropyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Dibromochloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Dibromomethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Dichlorodifluoromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Ethyl Acetate | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Ethyl Ether | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Ethyl tert-butyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Ethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Freon-113 | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Hexachlorobutadiene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Isopropylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| m,p-Xylene | ND | 10 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Methylene chloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| MTBE | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| n-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| n-Propylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Naphthalene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| o-Xylene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| sec-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Styrene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| tert-Amyl methyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| tert-Butanol | ND | 100 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| tert-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Tetrachloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Toluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| trans-1,2-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| trans-1,3-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Trichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Trichlorofluoromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Vinyl acetate | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| Vinyl chloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:16 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>67.0 %</i> | <i>20 - 189</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 11:16</i> | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>112 %</i> | <i>20 - 173</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 11:16</i> | |
| <i>Surrogate: Dibromofluoromethane</i> | <i>91.7 %</i> | <i>26 - 178</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 11:16</i> | |
| <i>Surrogate: Toluene-d8</i> | <i>83.7 %</i> | <i>31 - 166</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 11:16</i> | |



Certificate of Analysis

The Source Group, Inc.
 1962 Freeman Avenue
 Signal Hill, CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007
 Report To : Neil Irish
 Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -6 Lab ID: 1502770-06

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|-----------------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| Antimony | ND | 2.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:30 | |
| Arsenic | 1.9 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:30 | |
| Barium | 82 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:30 | |
| Beryllium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:30 | |
| Cadmium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:30 | |
| Chromium | 14 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:30 | |
| Cobalt | 6.2 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:30 | |
| Copper | 16 | 2.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:30 | |
| Lead | 3.4 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:30 | |
| Molybdenum | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:30 | |
| Nickel | 11 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:30 | |
| Selenium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:30 | |
| Silver | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:30 | |
| Thallium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:30 | |
| Vanadium | 26 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:30 | |
| Zinc | 36 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:30 | |

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| Mercury | ND | 0.10 | 1 | B5H0421 | 08/17/2015 | 08/17/15 15:35 | |

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: CR

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|-------------------------------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| C8-C10 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 16:47 | |
| C10-C18 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 16:47 | |
| C18-C28 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 16:47 | |
| C28-C36 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 16:47 | |
| C36-C40 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 16:47 | |
| C8-C40 Total | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 16:47 | |
| <i>Surrogate: p-Terphenyl</i> | 86.2 % | 62 - 138 | | B5H0426 | 08/17/2015 | 08/17/15 16:47 | |



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill, CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007

Report To : Neil Irish

Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -6

Lab ID: 1502770-06

Volatile Organic Compounds by EPA 8260B

Analyst: AG

| Analyte | Result (ug/kg) | PQL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|-----------------------------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| 1,1,1-Trichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| 1,1,2-Trichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| 1,1-Dichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| 1,1-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| 1,1-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| 1,2,3-Trichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| 1,2-Dibromo-3-chloropropane | ND | 10 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| 1,2-Dibromoethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| 1,2-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| 1,2-Dichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| 1,2-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| 1,3-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| 1,3-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| 1,4-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| 2,2-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| 2-Chlorotoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| 4-Chlorotoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| 4-Isopropyltoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Benzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Bromobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Bromochloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Bromodichloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Bromoform | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Bromomethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Carbon disulfide | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Carbon tetrachloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Chlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Chloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Chloroform | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Chloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| cis-1,2-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill, CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007

Report To : Neil Irish

Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -6

Lab ID: 1502770-06

Volatile Organic Compounds by EPA 8260B

Analyst: AG

| Analyte | Result (ug/kg) | PQL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|-------------------|-----------------|----------|---------|------------|-----------------------|-------|
| cis-1,3-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Di-isopropyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Dibromochloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Dibromomethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Dichlorodifluoromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Ethyl Acetate | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Ethyl Ether | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Ethyl tert-butyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Ethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Freon-113 | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Hexachlorobutadiene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Isopropylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| m,p-Xylene | ND | 10 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Methylene chloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| MTBE | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| n-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| n-Propylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Naphthalene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| o-Xylene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| sec-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Styrene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| tert-Amyl methyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| tert-Butanol | ND | 100 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| tert-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Tetrachloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Toluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| trans-1,2-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| trans-1,3-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Trichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Trichlorofluoromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Vinyl acetate | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| Vinyl chloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:35 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>75.1 %</i> | <i>20 - 189</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 11:35</i> | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>111 %</i> | <i>20 - 173</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 11:35</i> | |
| <i>Surrogate: Dibromofluoromethane</i> | <i>89.7 %</i> | <i>26 - 178</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 11:35</i> | |
| <i>Surrogate: Toluene-d8</i> | <i>85.4 %</i> | <i>31 - 166</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 11:35</i> | |



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill, CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007
Report To : Neil Irish
Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -7

Lab ID: 1502770-07

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|-----------------|----------------|-------------|----------|---------|------------|--------------------|-------|
| Antimony | ND | 2.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:36 | |
| Arsenic | 1.2 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:36 | |
| Barium | 43 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:36 | |
| Beryllium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:36 | |
| Cadmium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:36 | |
| Chromium | 7.9 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:36 | |
| Cobalt | 3.8 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:36 | |
| Copper | 8.3 | 2.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:36 | |
| Lead | 1.7 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:36 | |
| Molybdenum | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:36 | |
| Nickel | 6.4 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:36 | |
| Selenium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:36 | |
| Silver | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:36 | |
| Thallium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:36 | |
| Vanadium | 15 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:36 | |
| Zinc | 21 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:36 | |

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---------|----------------|-------------|----------|---------|------------|--------------------|-------|
| Mercury | ND | 0.10 | 1 | B5H0421 | 08/17/2015 | 08/17/15 15:37 | |

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: CR

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|-------------------------------|----------------|-----------------|----------|---------|------------|-----------------------|-------|
| C8-C10 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 14:50 | |
| C10-C18 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 14:50 | |
| C18-C28 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 14:50 | |
| C28-C36 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 14:50 | |
| C36-C40 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 14:50 | |
| C8-C40 Total | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 14:50 | |
| <i>Surrogate: p-Terphenyl</i> | <i>113 %</i> | <i>62 - 138</i> | | B5H0426 | 08/17/2015 | <i>08/17/15 14:50</i> | |



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill, CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007

Report To : Neil Irish

Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -7

Lab ID: 1502770-07

Volatile Organic Compounds by EPA 8260B

Analyst: AG

| Analyte | Result (ug/kg) | PQL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|-----------------------------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| 1,1,1-Trichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| 1,1,2-Trichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| 1,1-Dichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| 1,1-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| 1,1-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| 1,2,3-Trichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| 1,2-Dibromo-3-chloropropane | ND | 10 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| 1,2-Dibromoethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| 1,2-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| 1,2-Dichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| 1,2-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| 1,3-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| 1,3-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| 1,4-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| 2,2-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| 2-Chlorotoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| 4-Chlorotoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| 4-Isopropyltoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Benzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Bromobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Bromochloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Bromodichloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Bromoform | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Bromomethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Carbon disulfide | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Carbon tetrachloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Chlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Chloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Chloroform | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Chloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| cis-1,2-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill, CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007

Report To : Neil Irish

Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -7

Lab ID: 1502770-07

Volatile Organic Compounds by EPA 8260B

Analyst: AG

| Analyte | Result (ug/kg) | PQL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|-------------------|-----------------|----------|---------|------------|-----------------------|-------|
| cis-1,3-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Di-isopropyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Dibromochloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Dibromomethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Dichlorodifluoromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Ethyl Acetate | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Ethyl Ether | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Ethyl tert-butyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Ethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Freon-113 | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Hexachlorobutadiene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Isopropylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| m,p-Xylene | ND | 10 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Methylene chloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| MTBE | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| n-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| n-Propylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Naphthalene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| o-Xylene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| sec-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Styrene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| tert-Amyl methyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| tert-Butanol | ND | 100 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| tert-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Tetrachloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Toluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| trans-1,2-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| trans-1,3-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Trichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Trichlorofluoromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Vinyl acetate | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| Vinyl chloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 11:53 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>71.0 %</i> | <i>20 - 189</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 11:53</i> | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>112 %</i> | <i>20 - 173</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 11:53</i> | |
| <i>Surrogate: Dibromofluoromethane</i> | <i>88.6 %</i> | <i>26 - 178</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 11:53</i> | |
| <i>Surrogate: Toluene-d8</i> | <i>85.7 %</i> | <i>31 - 166</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 11:53</i> | |



Certificate of Analysis

The Source Group, Inc.
 1962 Freeman Avenue
 Signal Hill , CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007
 Report To : Neil Irish
 Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -8

Lab ID: 1502770-08

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|-----------------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| Antimony | ND | 2.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:37 | |
| Arsenic | 1.4 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:37 | |
| Barium | 53 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:37 | |
| Beryllium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:37 | |
| Cadmium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:37 | |
| Chromium | 8.4 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:37 | |
| Cobalt | 4.2 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:37 | |
| Copper | 9.8 | 2.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:37 | |
| Lead | 2.5 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:37 | |
| Molybdenum | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:37 | |
| Nickel | 7.1 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:37 | |
| Selenium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:37 | |
| Silver | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:37 | |
| Thallium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:37 | |
| Vanadium | 16 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:37 | |
| Zinc | 23 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:37 | |

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| Mercury | ND | 0.10 | 1 | B5H0421 | 08/17/2015 | 08/17/15 15:39 | |

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: CR

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|-------------------------------|-------------------|-----------------|----------|---------|------------|-----------------------|-------|
| C8-C10 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 17:05 | |
| C10-C18 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 17:05 | |
| C18-C28 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 17:05 | |
| C28-C36 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 17:05 | |
| C36-C40 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 17:05 | |
| C8-C40 Total | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 17:05 | |
| <i>Surrogate: p-Terphenyl</i> | <i>100 %</i> | <i>62 - 138</i> | | B5H0426 | 08/17/2015 | 08/17/15 17:05 | |



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill, CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007

Report To : Neil Irish

Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -8

Lab ID: 1502770-08

Volatile Organic Compounds by EPA 8260B

Analyst: AG

| Analyte | Result (ug/kg) | PQL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|-----------------------------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| 1,1,1-Trichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| 1,1,2-Trichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| 1,1-Dichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| 1,1-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| 1,1-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| 1,2,3-Trichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| 1,2-Dibromo-3-chloropropane | ND | 10 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| 1,2-Dibromoethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| 1,2-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| 1,2-Dichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| 1,2-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| 1,3-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| 1,3-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| 1,4-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| 2,2-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| 2-Chlorotoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| 4-Chlorotoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| 4-Isopropyltoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Benzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Bromobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Bromochloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Bromodichloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Bromoform | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Bromomethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Carbon disulfide | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Carbon tetrachloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Chlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Chloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Chloroform | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Chloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| cis-1,2-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill, CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007

Report To : Neil Irish

Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -8

Lab ID: 1502770-08

Volatile Organic Compounds by EPA 8260B

Analyst: AG

| Analyte | Result (ug/kg) | PQL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|-------------------|-----------------|----------|---------|------------|-----------------------|-------|
| cis-1,3-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Di-isopropyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Dibromochloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Dibromomethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Dichlorodifluoromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Ethyl Acetate | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Ethyl Ether | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Ethyl tert-butyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Ethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Freon-113 | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Hexachlorobutadiene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Isopropylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| m,p-Xylene | ND | 10 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Methylene chloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| MTBE | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| n-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| n-Propylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Naphthalene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| o-Xylene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| sec-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Styrene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| tert-Amyl methyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| tert-Butanol | ND | 100 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| tert-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Tetrachloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Toluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| trans-1,2-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| trans-1,3-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Trichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Trichlorofluoromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Vinyl acetate | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| Vinyl chloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:12 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>66.7 %</i> | <i>20 - 189</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 12:12</i> | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>110 %</i> | <i>20 - 173</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 12:12</i> | |
| <i>Surrogate: Dibromofluoromethane</i> | <i>84.4 %</i> | <i>26 - 178</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 12:12</i> | |
| <i>Surrogate: Toluene-d8</i> | <i>84.4 %</i> | <i>31 - 166</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 12:12</i> | |



Certificate of Analysis

The Source Group, Inc.
 1962 Freeman Avenue
 Signal Hill , CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007
 Report To : Neil Irish
 Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -9 Lab ID: 1502770-09

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|-----------------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| Antimony | ND | 2.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:39 | |
| Arsenic | 1.1 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:39 | |
| Barium | 33 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:39 | |
| Beryllium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:39 | |
| Cadmium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:39 | |
| Chromium | 7.2 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:39 | |
| Cobalt | 3.6 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:39 | |
| Copper | 7.3 | 2.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:39 | |
| Lead | 1.5 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:39 | |
| Molybdenum | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:39 | |
| Nickel | 5.9 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:39 | |
| Selenium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:39 | |
| Silver | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:39 | |
| Thallium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:39 | |
| Vanadium | 13 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:39 | |
| Zinc | 19 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:39 | |

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| Mercury | ND | 0.10 | 1 | B5H0421 | 08/17/2015 | 08/17/15 15:41 | |

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: CR

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|-------------------------------|-------------------|-----------------|----------|---------|------------|-----------------------|-------|
| C8-C10 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 14:15 | |
| C10-C18 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 14:15 | |
| C18-C28 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 14:15 | |
| C28-C36 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 14:15 | |
| C36-C40 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 14:15 | |
| C8-C40 Total | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 14:15 | |
| <i>Surrogate: p-Terphenyl</i> | <i>104 %</i> | <i>62 - 138</i> | | B5H0426 | 08/17/2015 | 08/17/15 14:15 | |



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill, CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007

Report To : Neil Irish

Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -9

Lab ID: 1502770-09

Volatile Organic Compounds by EPA 8260B

Analyst: AG

| Analyte | Result (ug/kg) | PQL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|-----------------------------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| 1,1,1-Trichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| 1,1,2-Trichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| 1,1-Dichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| 1,1-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| 1,1-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| 1,2,3-Trichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| 1,2-Dibromo-3-chloropropane | ND | 10 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| 1,2-Dibromoethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| 1,2-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| 1,2-Dichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| 1,2-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| 1,3-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| 1,3-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| 1,4-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| 2,2-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| 2-Chlorotoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| 4-Chlorotoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| 4-Isopropyltoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Benzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Bromobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Bromochloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Bromodichloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Bromoform | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Bromomethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Carbon disulfide | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Carbon tetrachloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Chlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Chloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Chloroform | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Chloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| cis-1,2-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill, CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007

Report To : Neil Irish

Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -9

Lab ID: 1502770-09

Volatile Organic Compounds by EPA 8260B

Analyst: AG

| Analyte | Result (ug/kg) | PQL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|-------------------|-----------------|----------|---------|------------|-----------------------|-------|
| cis-1,3-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Di-isopropyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Dibromochloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Dibromomethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Dichlorodifluoromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Ethyl Acetate | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Ethyl Ether | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Ethyl tert-butyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Ethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Freon-113 | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Hexachlorobutadiene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Isopropylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| m,p-Xylene | ND | 10 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Methylene chloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| MTBE | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| n-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| n-Propylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Naphthalene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| o-Xylene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| sec-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Styrene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| tert-Amyl methyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| tert-Butanol | ND | 100 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| tert-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Tetrachloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Toluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| trans-1,2-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| trans-1,3-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Trichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Trichlorofluoromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Vinyl acetate | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| Vinyl chloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:30 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>72.6 %</i> | <i>20 - 189</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 12:30</i> | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>111 %</i> | <i>20 - 173</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 12:30</i> | |
| <i>Surrogate: Dibromofluoromethane</i> | <i>87.7 %</i> | <i>26 - 178</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 12:30</i> | |
| <i>Surrogate: Toluene-d8</i> | <i>84.8 %</i> | <i>31 - 166</i> | | B5H0333 | 08/13/2015 | <i>08/13/15 12:30</i> | |



Certificate of Analysis

The Source Group, Inc.
 1962 Freeman Avenue
 Signal Hill, CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007
 Report To : Neil Irish
 Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -10 Lab ID: 1502770-10

Title 22 Metals by ICP-AES EPA 6010B

Analyst: RR

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|-----------------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| Antimony | ND | 2.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:41 | |
| Arsenic | 2.0 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:41 | |
| Barium | 95 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:41 | |
| Beryllium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:41 | |
| Cadmium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:41 | |
| Chromium | 16 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:41 | |
| Cobalt | 6.9 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:41 | |
| Copper | 19 | 2.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:41 | |
| Lead | 4.3 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:41 | |
| Molybdenum | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:41 | |
| Nickel | 12 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:41 | |
| Selenium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:41 | |
| Silver | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:41 | |
| Thallium | ND | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:41 | |
| Vanadium | 27 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:41 | |
| Zinc | 38 | 1.0 | 1 | B5H0419 | 08/17/2015 | 08/17/15 16:41 | |

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| Mercury | ND | 0.10 | 1 | B5H0421 | 08/17/2015 | 08/17/15 15:43 | |

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: CR

| Analyte | Result (mg/kg) | PQL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|-------------------------------|-------------------|-----------------|----------|---------|------------|-----------------------|-------|
| C8-C10 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 16:29 | |
| C10-C18 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 16:29 | |
| C18-C28 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 16:29 | |
| C28-C36 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 16:29 | |
| C36-C40 | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 16:29 | |
| C8-C40 Total | ND | 10 | 1 | B5H0426 | 08/17/2015 | 08/17/15 16:29 | |
| <i>Surrogate: p-Terphenyl</i> | <i>96.0 %</i> | <i>62 - 138</i> | | B5H0426 | 08/17/2015 | 08/17/15 16:29 | |



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill, CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007

Report To : Neil Irish

Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -10

Lab ID: 1502770-10

Volatile Organic Compounds by EPA 8260B

Analyst: AG

| Analyte | Result (ug/kg) | PQL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|-----------------------------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| 1,1,1-Trichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| 1,1,2-Trichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| 1,1-Dichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| 1,1-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| 1,1-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| 1,2,3-Trichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| 1,2-Dibromo-3-chloropropane | ND | 10 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| 1,2-Dibromoethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| 1,2-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| 1,2-Dichloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| 1,2-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| 1,3-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| 1,3-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| 1,4-Dichlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| 2,2-Dichloropropane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| 2-Chlorotoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| 4-Chlorotoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| 4-Isopropyltoluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Benzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Bromobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Bromochloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Bromodichloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Bromoform | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Bromomethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Carbon disulfide | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Carbon tetrachloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Chlorobenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Chloroethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Chloroform | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Chloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| cis-1,2-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |



Certificate of Analysis

The Source Group, Inc.
 1962 Freeman Avenue
 Signal Hill, CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007

Report To : Neil Irish

Reported : 08/20/2015

Client Sample ID POWERINE-TRENCH -10

Lab ID: 1502770-10

Volatile Organic Compounds by EPA 8260B

Analyst: AG

| Analyte | Result (ug/kg) | PQL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---------------------------|-------------------|----------------|----------|---------|------------|-----------------------|-------|
| cis-1,3-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Di-isopropyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Dibromochloromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Dibromomethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Dichlorodifluoromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Ethyl Acetate | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Ethyl Ether | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Ethyl tert-butyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Ethylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Freon-113 | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Hexachlorobutadiene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Isopropylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| m,p-Xylene | ND | 10 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Methylene chloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| MTBE | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| n-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| n-Propylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Naphthalene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| o-Xylene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| sec-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Styrene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| tert-Amyl methyl ether | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| tert-Butanol | ND | 100 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| tert-Butylbenzene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Tetrachloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Toluene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| trans-1,2-Dichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| trans-1,3-Dichloropropene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Trichloroethene | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Trichlorofluoromethane | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Vinyl acetate | ND | 50 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |
| Vinyl chloride | ND | 5.0 | 1 | B5H0333 | 08/13/2015 | 08/13/15 12:49 | |

| | | | | | |
|---|--------|----------|---------|------------|----------------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 76.6 % | 20 - 189 | B5H0333 | 08/13/2015 | 08/13/15 12:49 |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 114 % | 20 - 173 | B5H0333 | 08/13/2015 | 08/13/15 12:49 |
| <i>Surrogate: Dibromofluoromethane</i> | 91.5 % | 26 - 178 | B5H0333 | 08/13/2015 | 08/13/15 12:49 |
| <i>Surrogate: Toluene-d8</i> | 86.9 % | 31 - 166 | B5H0333 | 08/13/2015 | 08/13/15 12:49 |



Certificate of Analysis

The Source Group, Inc.
 1962 Freeman Avenue
 Signal Hill , CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007
 Report To : Neil Irish
 Reported : 08/20/2015

QUALITY CONTROL SECTION

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/kg) | PQL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---------|-------------------|----------------|----------------|------------------|-------|-----------------|-----|--------------|-------|
|---------|-------------------|----------------|----------------|------------------|-------|-----------------|-----|--------------|-------|

Batch B5H0417 - EPA 3050B_S

Blank (B5H0417-BLK1)

Prepared: 8/17/2015 Analyzed: 8/17/2015

| | | | | | | | | |
|------------|----|-----|--|--|----|--|--|--|
| Antimony | ND | 2.0 | | | NR | | | |
| Arsenic | ND | 1.0 | | | NR | | | |
| Barium | ND | 1.0 | | | NR | | | |
| Beryllium | ND | 1.0 | | | NR | | | |
| Cadmium | ND | 1.0 | | | NR | | | |
| Chromium | ND | 1.0 | | | NR | | | |
| Cobalt | ND | 1.0 | | | NR | | | |
| Copper | ND | 2.0 | | | NR | | | |
| Lead | ND | 1.0 | | | NR | | | |
| Molybdenum | ND | 1.0 | | | NR | | | |
| Nickel | ND | 1.0 | | | NR | | | |
| Selenium | ND | 1.0 | | | NR | | | |
| Silver | ND | 1.0 | | | NR | | | |
| Thallium | ND | 1.0 | | | NR | | | |
| Vanadium | ND | 1.0 | | | NR | | | |
| Zinc | ND | 1.0 | | | NR | | | |

LCS (B5H0417-BS1)

Prepared: 8/17/2015 Analyzed: 8/17/2015

| | | | | | | | | |
|------------|---------|-----|---------|--|------|----------|--|--|
| Antimony | 46.0127 | 2.0 | 50.0000 | | 92.0 | 80 - 120 | | |
| Arsenic | 43.8859 | 1.0 | 50.0000 | | 87.8 | 80 - 120 | | |
| Barium | 47.6211 | 1.0 | 50.0000 | | 95.2 | 80 - 120 | | |
| Beryllium | 46.1517 | 1.0 | 50.0000 | | 92.3 | 80 - 120 | | |
| Cadmium | 45.9980 | 1.0 | 50.0000 | | 92.0 | 80 - 120 | | |
| Chromium | 48.0747 | 1.0 | 50.0000 | | 96.1 | 80 - 120 | | |
| Cobalt | 46.1989 | 1.0 | 50.0000 | | 92.4 | 80 - 120 | | |
| Copper | 48.9284 | 2.0 | 50.0000 | | 97.9 | 80 - 120 | | |
| Lead | 44.4174 | 1.0 | 50.0000 | | 88.8 | 80 - 120 | | |
| Molybdenum | 46.8364 | 1.0 | 50.0000 | | 93.7 | 80 - 120 | | |
| Nickel | 46.0966 | 1.0 | 50.0000 | | 92.2 | 80 - 120 | | |
| Selenium | 42.9658 | 1.0 | 50.0000 | | 85.9 | 80 - 120 | | |
| Silver | 45.6721 | 1.0 | 50.0000 | | 91.3 | 80 - 120 | | |
| Thallium | 45.1898 | 1.0 | 50.0000 | | 90.4 | 80 - 120 | | |
| Vanadium | 46.3525 | 1.0 | 50.0000 | | 92.7 | 80 - 120 | | |
| Zinc | 43.1285 | 1.0 | 50.0000 | | 86.3 | 80 - 120 | | |

Duplicate (B5H0417-DUP1)

Source: 1502741-01

Prepared: 8/17/2015 Analyzed: 8/17/2015

| | | | | | | | | |
|-----------|----------|-----|--|---------|----|--|------|----|
| Antimony | ND | 2.0 | | ND | NR | | | 20 |
| Arsenic | 2.51806 | 1.0 | | 2.45290 | NR | | 2.62 | 20 |
| Barium | 121.513 | 1.0 | | 109.572 | NR | | 10.3 | 20 |
| Beryllium | 0.914378 | 1.0 | | 1.02394 | NR | | 11.3 | 20 |



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Project Number : NORWALK NDLA, 04-NDLA-007

Report To : Neil Irish

Reported : 08/20/2015

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

| Analyte | Result (mg/kg) | PQL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---------|-------------------|----------------|----------------|------------------|-------|-----------------|-----|--------------|-------|
|---------|-------------------|----------------|----------------|------------------|-------|-----------------|-----|--------------|-------|

Batch B5H0417 - EPA 3050B_S (continued)

Duplicate (B5H0417-DUP1) - Continued

Source: 1502741-01

Prepared: 8/17/2015 Analyzed: 8/17/2015

| | | | | | | | | | |
|------------|----------|-----|--|---------|----|--|------|----|--|
| Cadmium | 0.125102 | 1.0 | | ND | NR | | | 20 | |
| Chromium | 16.0125 | 1.0 | | 18.2464 | NR | | 13.0 | 20 | |
| Cobalt | 8.08201 | 1.0 | | 8.85554 | NR | | 9.13 | 20 | |
| Copper | 26.7859 | 2.0 | | 31.4196 | NR | | 15.9 | 20 | |
| Lead | 4.84541 | 1.0 | | 5.66505 | NR | | 15.6 | 20 | |
| Molybdenum | ND | 1.0 | | ND | NR | | | 20 | |
| Nickel | 12.2796 | 1.0 | | 14.2995 | NR | | 15.2 | 20 | |
| Selenium | 0.396718 | 1.0 | | ND | NR | | | 20 | |
| Silver | ND | 1.0 | | ND | NR | | | 20 | |
| Thallium | ND | 1.0 | | ND | NR | | | 20 | |
| Vanadium | 35.8429 | 1.0 | | 41.3064 | NR | | 14.2 | 20 | |
| Zinc | 42.1862 | 1.0 | | 50.1262 | NR | | 17.2 | 20 | |

Matrix Spike (B5H0417-MS1)

Source: 1502741-01

Prepared: 8/17/2015 Analyzed: 8/17/2015

| | | | | | | | | | |
|------------|---------|-----|---------|---------|------|----------|--|--|----|
| Antimony | 48.2736 | 2.0 | 100.000 | ND | 48.3 | 28 - 106 | | | |
| Arsenic | 72.4734 | 1.0 | 100.000 | 2.45290 | 70.0 | 57 - 109 | | | |
| Barium | 161.942 | 1.0 | 100.000 | 109.572 | 52.4 | 18 - 159 | | | |
| Beryllium | 72.6459 | 1.0 | 100.000 | 1.02394 | 71.6 | 61 - 107 | | | |
| Cadmium | 66.7814 | 1.0 | 100.000 | ND | 66.8 | 53 - 104 | | | |
| Chromium | 85.4348 | 1.0 | 100.000 | 18.2464 | 67.2 | 53 - 121 | | | |
| Cobalt | 77.6324 | 1.0 | 100.000 | 8.85554 | 68.8 | 55 - 109 | | | |
| Copper | 103.239 | 2.0 | 100.000 | 31.4196 | 71.8 | 58 - 124 | | | |
| Lead | 68.7871 | 1.0 | 100.000 | 5.66505 | 63.1 | 35 - 129 | | | |
| Molybdenum | 62.2831 | 1.0 | 100.000 | ND | 62.3 | 57 - 108 | | | |
| Nickel | 82.6582 | 1.0 | 100.000 | 14.2995 | 68.4 | 44 - 122 | | | |
| Selenium | 69.0888 | 1.0 | 100.000 | ND | 69.1 | 54 - 104 | | | |
| Silver | 74.9714 | 1.0 | 100.000 | ND | 75.0 | 60 - 112 | | | |
| Thallium | 48.5516 | 1.0 | 100.000 | ND | 48.6 | 50 - 103 | | | M1 |
| Vanadium | 101.667 | 1.0 | 100.000 | 41.3064 | 60.4 | 54 - 123 | | | |
| Zinc | 110.158 | 1.0 | 100.000 | 50.1262 | 60.0 | 29 - 132 | | | |

Matrix Spike Dup (B5H0417-MSD1)

Source: 1502741-01

Prepared: 8/17/2015 Analyzed: 8/17/2015

| | | | | | | | | | |
|------------|---------|-----|---------|---------|------|----------|--------|----|--|
| Antimony | 46.4744 | 2.0 | 100.000 | ND | 46.5 | 28 - 106 | 3.80 | 20 | |
| Arsenic | 73.8242 | 1.0 | 100.000 | 2.45290 | 71.4 | 57 - 109 | 1.85 | 20 | |
| Barium | 152.263 | 1.0 | 100.000 | 109.572 | 42.7 | 18 - 159 | 6.16 | 20 | |
| Beryllium | 73.9058 | 1.0 | 100.000 | 1.02394 | 72.9 | 61 - 107 | 1.72 | 20 | |
| Cadmium | 66.7723 | 1.0 | 100.000 | ND | 66.8 | 53 - 104 | 0.0136 | 20 | |
| Chromium | 86.6798 | 1.0 | 100.000 | 18.2464 | 68.4 | 53 - 121 | 1.45 | 20 | |
| Cobalt | 78.7287 | 1.0 | 100.000 | 8.85554 | 69.9 | 55 - 109 | 1.40 | 20 | |
| Copper | 106.150 | 2.0 | 100.000 | 31.4196 | 74.7 | 58 - 124 | 2.78 | 20 | |
| Lead | 69.5234 | 1.0 | 100.000 | 5.66505 | 63.9 | 35 - 129 | 1.06 | 20 | |
| Molybdenum | 62.8419 | 1.0 | 100.000 | ND | 62.8 | 57 - 108 | 0.893 | 20 | |



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Report To : Neil Irish

Reported : 08/20/2015

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

| Analyte | Result (mg/kg) | PQL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---------|-------------------|----------------|----------------|------------------|-------|-----------------|-----|--------------|-------|
|---------|-------------------|----------------|----------------|------------------|-------|-----------------|-----|--------------|-------|

Batch B5H0417 - EPA 3050B_S (continued)

Matrix Spike Dup (B5H0417-MSD1) - Continued

Source: 1502741-01

Prepared: 8/17/2015 Analyzed: 8/17/2015

| | | | | | | | | | |
|----------|---------|-----|---------|---------|------|----------|-------|----|----|
| Nickel | 83.3593 | 1.0 | 100.000 | 14.2995 | 69.1 | 44 - 122 | 0.845 | 20 | |
| Selenium | 70.0122 | 1.0 | 100.000 | ND | 70.0 | 54 - 104 | 1.33 | 20 | |
| Silver | 76.6890 | 1.0 | 100.000 | ND | 76.7 | 60 - 112 | 2.27 | 20 | |
| Thallium | 48.2174 | 1.0 | 100.000 | ND | 48.2 | 50 - 103 | 0.691 | 20 | M1 |
| Vanadium | 104.251 | 1.0 | 100.000 | 41.3064 | 62.9 | 54 - 123 | 2.51 | 20 | |
| Zinc | 110.856 | 1.0 | 100.000 | 50.1262 | 60.7 | 29 - 132 | 0.631 | 20 | |

Batch B5H0419 - EPA 3050B_S

Blank (B5H0419-BLK1)

Prepared: 8/17/2015 Analyzed: 8/17/2015

| | | | | |
|------------|----|-----|--|----|
| Antimony | ND | 2.0 | | NR |
| Arsenic | ND | 1.0 | | NR |
| Barium | ND | 1.0 | | NR |
| Beryllium | ND | 1.0 | | NR |
| Cadmium | ND | 1.0 | | NR |
| Chromium | ND | 1.0 | | NR |
| Cobalt | ND | 1.0 | | NR |
| Copper | ND | 2.0 | | NR |
| Lead | ND | 1.0 | | NR |
| Molybdenum | ND | 1.0 | | NR |
| Nickel | ND | 1.0 | | NR |
| Selenium | ND | 1.0 | | NR |
| Silver | ND | 1.0 | | NR |
| Thallium | ND | 1.0 | | NR |
| Vanadium | ND | 1.0 | | NR |
| Zinc | ND | 1.0 | | NR |

LCS (B5H0419-BS1)

Prepared: 8/17/2015 Analyzed: 8/17/2015

| | | | | | |
|------------|---------|-----|---------|------|----------|
| Antimony | 46.2331 | 2.0 | 50.0000 | 92.5 | 80 - 120 |
| Arsenic | 43.8863 | 1.0 | 50.0000 | 87.8 | 80 - 120 |
| Barium | 47.5698 | 1.0 | 50.0000 | 95.1 | 80 - 120 |
| Beryllium | 45.9658 | 1.0 | 50.0000 | 91.9 | 80 - 120 |
| Cadmium | 46.0167 | 1.0 | 50.0000 | 92.0 | 80 - 120 |
| Chromium | 48.2381 | 1.0 | 50.0000 | 96.5 | 80 - 120 |
| Cobalt | 46.1022 | 1.0 | 50.0000 | 92.2 | 80 - 120 |
| Copper | 46.6340 | 2.0 | 50.0000 | 93.3 | 80 - 120 |
| Lead | 44.5908 | 1.0 | 50.0000 | 89.2 | 80 - 120 |
| Molybdenum | 47.1708 | 1.0 | 50.0000 | 94.3 | 80 - 120 |
| Nickel | 45.7796 | 1.0 | 50.0000 | 91.6 | 80 - 120 |
| Selenium | 43.1196 | 1.0 | 50.0000 | 86.2 | 80 - 120 |
| Silver | 45.5675 | 1.0 | 50.0000 | 91.1 | 80 - 120 |



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Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

| Analyte | Result (mg/kg) | PQL (mg/kg) | Spike Level | Source Result | % Rec % Rec | Limits | RPD | RPD Limit | Notes |
|---------|-------------------|----------------|----------------|------------------|----------------|--------|-----|--------------|-------|
|---------|-------------------|----------------|----------------|------------------|----------------|--------|-----|--------------|-------|

Batch B5H0419 - EPA 3050B_S (continued)

LCS (B5H0419-BS1) - Continued

Prepared: 8/17/2015 Analyzed: 8/17/2015

| | | | | | | | | | |
|----------|---------|-----|---------|--|------|----------|--|--|--|
| Thallium | 45.2816 | 1.0 | 50.0000 | | 90.6 | 80 - 120 | | | |
| Vanadium | 46.2656 | 1.0 | 50.0000 | | 92.5 | 80 - 120 | | | |
| Zinc | 42.9809 | 1.0 | 50.0000 | | 86.0 | 80 - 120 | | | |

Duplicate (B5H0419-DUP1)

Source: 1502770-02

Prepared: 8/17/2015 Analyzed: 8/17/2015

| | | | | | | | | | |
|------------|----------|-----|--|----------|----|--|-------|----|--|
| Antimony | 0.307101 | 2.0 | | ND | NR | | | 20 | |
| Arsenic | 1.09461 | 1.0 | | 1.10570 | NR | | 1.01 | 20 | |
| Barium | 49.1167 | 1.0 | | 47.2685 | NR | | 3.84 | 20 | |
| Beryllium | 0.383808 | 1.0 | | 0.390103 | NR | | 1.63 | 20 | |
| Cadmium | ND | 1.0 | | ND | NR | | | 20 | |
| Chromium | 8.67502 | 1.0 | | 8.61657 | NR | | 0.676 | 20 | |
| Cobalt | 4.35246 | 1.0 | | 4.24260 | NR | | 2.56 | 20 | |
| Copper | 9.82123 | 2.0 | | 9.67477 | NR | | 1.50 | 20 | |
| Lead | 1.73590 | 1.0 | | 1.70228 | NR | | 1.96 | 20 | |
| Molybdenum | ND | 1.0 | | ND | NR | | | 20 | |
| Nickel | 7.20981 | 1.0 | | 7.01688 | NR | | 2.71 | 20 | |
| Selenium | ND | 1.0 | | ND | NR | | | 20 | |
| Silver | ND | 1.0 | | ND | NR | | | 20 | |
| Thallium | ND | 1.0 | | ND | NR | | | 20 | |
| Vanadium | 16.1838 | 1.0 | | 15.8595 | NR | | 2.02 | 20 | |
| Zinc | 24.0166 | 1.0 | | 22.8028 | NR | | 5.19 | 20 | |

Matrix Spike (B5H0419-MS1)

Source: 1502770-02

Prepared: 8/17/2015 Analyzed: 8/17/2015

| | | | | | | | | | |
|------------|---------|-----|---------|----------|------|----------|--|--|--|
| Antimony | 105.316 | 2.0 | 125.000 | ND | 84.3 | 28 - 106 | | | |
| Arsenic | 109.735 | 1.0 | 125.000 | 1.10570 | 86.9 | 57 - 109 | | | |
| Barium | 161.086 | 1.0 | 125.000 | 47.2685 | 91.1 | 18 - 159 | | | |
| Beryllium | 115.147 | 1.0 | 125.000 | 0.390103 | 91.8 | 61 - 107 | | | |
| Cadmium | 106.724 | 1.0 | 125.000 | ND | 85.4 | 53 - 104 | | | |
| Chromium | 121.692 | 1.0 | 125.000 | 8.61657 | 90.5 | 53 - 121 | | | |
| Cobalt | 112.854 | 1.0 | 125.000 | 4.24260 | 86.9 | 55 - 109 | | | |
| Copper | 130.970 | 2.0 | 125.000 | 9.67477 | 97.0 | 58 - 124 | | | |
| Lead | 106.983 | 1.0 | 125.000 | 1.70228 | 84.2 | 35 - 129 | | | |
| Molybdenum | 112.816 | 1.0 | 125.000 | ND | 90.3 | 57 - 108 | | | |
| Nickel | 115.234 | 1.0 | 125.000 | 7.01688 | 86.6 | 44 - 122 | | | |
| Selenium | 108.463 | 1.0 | 125.000 | ND | 86.8 | 54 - 104 | | | |
| Silver | 112.585 | 1.0 | 125.000 | ND | 90.1 | 60 - 112 | | | |
| Thallium | 93.9311 | 1.0 | 125.000 | ND | 75.1 | 50 - 103 | | | |
| Vanadium | 127.574 | 1.0 | 125.000 | 15.8595 | 89.4 | 54 - 123 | | | |
| Zinc | 126.972 | 1.0 | 125.000 | 22.8028 | 83.3 | 29 - 132 | | | |

Matrix Spike Dup (B5H0419-MSD1)

Source: 1502770-02

Prepared: 8/17/2015 Analyzed: 8/17/2015

| | | | | | | | | | |
|----------|---------|-----|---------|----|------|----------|------|----|--|
| Antimony | 103.633 | 2.0 | 125.000 | ND | 82.9 | 28 - 106 | 1.61 | 20 | |
|----------|---------|-----|---------|----|------|----------|------|----|--|



Certificate of Analysis

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Project Number : NORWALK NDLA, 04-NDLA-007
 Report To : Neil Irish
 Reported : 08/20/2015

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

| Analyte | Result (mg/kg) | PQL (mg/kg) | Spike Level | Source Result | % Rec % Rec | % Rec Limits | RPD RPD | RPD Limit | Notes |
|---------|-------------------|----------------|----------------|------------------|----------------|-----------------|------------|--------------|-------|
|---------|-------------------|----------------|----------------|------------------|----------------|-----------------|------------|--------------|-------|

Batch B5H0419 - EPA 3050B_S (continued)

Matrix Spike Dup (B5H0419-MSD1) - Continued

Source: 1502770-02

Prepared: 8/17/2015 Analyzed: 8/17/2015

| | | | | | | | | | |
|------------|---------|-----|---------|----------|------|----------|-------|----|--|
| Arsenic | 108.199 | 1.0 | 125.000 | 1.10570 | 85.7 | 57 - 109 | 1.41 | 20 | |
| Barium | 160.592 | 1.0 | 125.000 | 47.2685 | 90.7 | 18 - 159 | 0.307 | 20 | |
| Beryllium | 113.466 | 1.0 | 125.000 | 0.390103 | 90.5 | 61 - 107 | 1.47 | 20 | |
| Cadmium | 105.610 | 1.0 | 125.000 | ND | 84.5 | 53 - 104 | 1.05 | 20 | |
| Chromium | 119.765 | 1.0 | 125.000 | 8.61657 | 88.9 | 53 - 121 | 1.60 | 20 | |
| Cobalt | 110.902 | 1.0 | 125.000 | 4.24260 | 85.3 | 55 - 109 | 1.74 | 20 | |
| Copper | 129.028 | 2.0 | 125.000 | 9.67477 | 95.5 | 58 - 124 | 1.49 | 20 | |
| Lead | 105.315 | 1.0 | 125.000 | 1.70228 | 82.9 | 35 - 129 | 1.57 | 20 | |
| Molybdenum | 110.914 | 1.0 | 125.000 | ND | 88.7 | 57 - 108 | 1.70 | 20 | |
| Nickel | 113.501 | 1.0 | 125.000 | 7.01688 | 85.2 | 44 - 122 | 1.52 | 20 | |
| Selenium | 105.949 | 1.0 | 125.000 | ND | 84.8 | 54 - 104 | 2.35 | 20 | |
| Silver | 110.246 | 1.0 | 125.000 | ND | 88.2 | 60 - 112 | 2.10 | 20 | |
| Thallium | 92.3506 | 1.0 | 125.000 | ND | 73.9 | 50 - 103 | 1.70 | 20 | |
| Vanadium | 124.847 | 1.0 | 125.000 | 15.8595 | 87.2 | 54 - 123 | 2.16 | 20 | |
| Zinc | 124.852 | 1.0 | 125.000 | 22.8028 | 81.6 | 29 - 132 | 1.68 | 20 | |



Certificate of Analysis

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Project Number : NORWALK NDLA, 04-NDLA-007
 Report To : Neil Irish
 Reported : 08/20/2015

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

| Analyte | Result (mg/kg) | PQL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---------|-------------------|----------------|----------------|------------------|-------|-----------------|-----|--------------|-------|
|---------|-------------------|----------------|----------------|------------------|-------|-----------------|-----|--------------|-------|

Batch B5H0421 - EPA 7471_S

| | | | | | | | | | |
|--|----------|------|------------|---|------|----------|------|----|--|
| Blank (B5H0421-BLK1) | | | | Prepared: 8/17/2015 Analyzed: 8/17/2015 | | | | | |
| Mercury | ND | 0.10 | | | NR | | | | |
| LCS (B5H0421-BS1) | | | | Prepared: 8/17/2015 Analyzed: 8/17/2015 | | | | | |
| Mercury | 0.771754 | 0.10 | 0.833333 | | 92.6 | 80 - 120 | | | |
| Matrix Spike (B5H0421-MS1) | | | | Prepared: 8/17/2015 Analyzed: 8/17/2015 | | | | | |
| Mercury | 0.841171 | 0.10 | 0.833333 | 0.086182 | 90.6 | 70 - 130 | | | |
| Matrix Spike Dup (B5H0421-MSD1) | | | | Prepared: 8/17/2015 Analyzed: 8/17/2015 | | | | | |
| Mercury | 0.826685 | 0.10 | 0.833333 | 0.086182 | 88.9 | 70 - 130 | 1.74 | 20 | |
| Post Spike (B5H0421-PS1) | | | | Prepared: 8/17/2015 Analyzed: 8/17/2015 | | | | | |
| Mercury | 0.006202 | | 5.00000E-3 | 0.001034 | 103 | 85 - 115 | | | |



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Project Number : NORWALK NDLA, 04-NDLA-007
 Report To : Neil Irish
 Reported : 08/20/2015

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

| Analyte | Result (mg/kg) | PQL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---------|-------------------|----------------|----------------|------------------|-------|-----------------|-----|--------------|-------|
|---------|-------------------|----------------|----------------|------------------|-------|-----------------|-----|--------------|-------|

Batch B5H0426 - GCSEMI_DRO_S

Blank (B5H0426-BLK1)

Prepared: 8/17/2015 Analyzed: 8/17/2015

| | | | | | | | | | |
|-------------------|----|----|--|--|--|----|--|--|--|
| C8-C10 | ND | 10 | | | | NR | | | |
| C10-C18 | ND | 10 | | | | NR | | | |
| C18-C28 | ND | 10 | | | | NR | | | |
| C28-C36 | ND | 10 | | | | NR | | | |
| C36-C40 | ND | 10 | | | | NR | | | |
| C8-C40 Total (HS) | ND | 10 | | | | NR | | | |

| | | | | | | | | | |
|-------------------------------|-------|--|---------|--|-----|----------|--|--|--|
| <i>Surrogate: p-Terphenyl</i> | 86.51 | | 80.0000 | | 108 | 62 - 138 | | | |
|-------------------------------|-------|--|---------|--|-----|----------|--|--|--|

LCS (B5H0426-BS1)

Prepared: 8/17/2015 Analyzed: 8/17/2015

| | | | | | | | | | |
|-----|---------|----|---------|--|------|----------|--|--|--|
| DRO | 909.230 | 10 | 1000.00 | | 90.9 | 66 - 139 | | | |
|-----|---------|----|---------|--|------|----------|--|--|--|

| | | | | | | | | | |
|-------------------------------|-------|--|---------|--|-----|----------|--|--|--|
| <i>Surrogate: p-Terphenyl</i> | 90.26 | | 80.0000 | | 113 | 62 - 138 | | | |
|-------------------------------|-------|--|---------|--|-----|----------|--|--|--|

Matrix Spike (B5H0426-MS1)

Source: 1502770-02

Prepared: 8/17/2015 Analyzed: 8/17/2015

| | | | | | | | | | |
|-----|---------|----|---------|----|------|----------|--|--|--|
| DRO | 828.800 | 10 | 1000.00 | ND | 82.9 | 39 - 157 | | | |
|-----|---------|----|---------|----|------|----------|--|--|--|

| | | | | | | | | | |
|-------------------------------|-------|--|---------|--|------|----------|--|--|--|
| <i>Surrogate: p-Terphenyl</i> | 79.92 | | 80.0000 | | 99.9 | 62 - 138 | | | |
|-------------------------------|-------|--|---------|--|------|----------|--|--|--|

Matrix Spike Dup (B5H0426-MSD1)

Source: 1502770-02

Prepared: 8/17/2015 Analyzed: 8/17/2015

| | | | | | | | | | |
|-----|---------|----|---------|----|------|----------|------|----|--|
| DRO | 798.920 | 10 | 1000.00 | ND | 79.9 | 39 - 157 | 3.67 | 20 | |
|-----|---------|----|---------|----|------|----------|------|----|--|

| | | | | | | | | | |
|-------------------------------|-------|--|---------|--|------|----------|--|--|--|
| <i>Surrogate: p-Terphenyl</i> | 75.58 | | 80.0000 | | 94.5 | 62 - 138 | | | |
|-------------------------------|-------|--|---------|--|------|----------|--|--|--|



Certificate of Analysis

The Source Group, Inc.
 1962 Freeman Avenue
 Signal Hill , CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007
 Report To : Neil Irish
 Reported : 08/20/2015

Volatile Organic Compounds by EPA 8260B - Quality Control

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec % Rec | Limits Limits | RPD RPD | Limit Limit | Notes |
|---------|-------------------|----------------|----------------|------------------|----------------|------------------|------------|----------------|-------|
|---------|-------------------|----------------|----------------|------------------|----------------|------------------|------------|----------------|-------|

Batch B5H0333 - MSVOA_S

Blank (B5H0333-BLK1)

Prepared: 8/13/2015 Analyzed: 8/13/2015

| | | | | | | | | | |
|-----------------------------|----|-----|--|--|----|--|--|--|--|
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | | | NR | | | | |
| 1,1,1-Trichloroethane | ND | 5.0 | | | NR | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | | | NR | | | | |
| 1,1,2-Trichloroethane | ND | 5.0 | | | NR | | | | |
| 1,1-Dichloroethane | ND | 5.0 | | | NR | | | | |
| 1,1-Dichloroethene | ND | 5.0 | | | NR | | | | |
| 1,1-Dichloropropene | ND | 5.0 | | | NR | | | | |
| 1,2,3-Trichloropropane | ND | 5.0 | | | NR | | | | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | | | NR | | | | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | | | NR | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | | | NR | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 10 | | | NR | | | | |
| 1,2-Dibromoethane | ND | 5.0 | | | NR | | | | |
| 1,2-Dichlorobenzene | ND | 5.0 | | | NR | | | | |
| 1,2-Dichloroethane | ND | 5.0 | | | NR | | | | |
| 1,2-Dichloropropane | ND | 5.0 | | | NR | | | | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | | | NR | | | | |
| 1,3-Dichlorobenzene | ND | 5.0 | | | NR | | | | |
| 1,3-Dichloropropane | ND | 5.0 | | | NR | | | | |
| 1,4-Dichlorobenzene | ND | 5.0 | | | NR | | | | |
| 2,2-Dichloropropane | ND | 5.0 | | | NR | | | | |
| 2-Chlorotoluene | ND | 5.0 | | | NR | | | | |
| 4-Chlorotoluene | ND | 5.0 | | | NR | | | | |
| 4-Isopropyltoluene | ND | 5.0 | | | NR | | | | |
| Benzene | ND | 5.0 | | | NR | | | | |
| Bromobenzene | ND | 5.0 | | | NR | | | | |
| Bromochloromethane | ND | 5.0 | | | NR | | | | |
| Bromodichloromethane | ND | 5.0 | | | NR | | | | |
| Bromoform | ND | 5.0 | | | NR | | | | |
| Bromomethane | ND | 5.0 | | | NR | | | | |
| Carbon disulfide | ND | 5.0 | | | NR | | | | |
| Carbon tetrachloride | ND | 5.0 | | | NR | | | | |
| Chlorobenzene | ND | 5.0 | | | NR | | | | |
| Chloroethane | ND | 5.0 | | | NR | | | | |
| Chloroform | ND | 5.0 | | | NR | | | | |
| Chloromethane | ND | 5.0 | | | NR | | | | |
| cis-1,2-Dichloroethene | ND | 5.0 | | | NR | | | | |
| cis-1,3-Dichloropropene | ND | 5.0 | | | NR | | | | |
| Di-isopropyl ether | ND | 5.0 | | | NR | | | | |
| Dibromochloromethane | ND | 5.0 | | | NR | | | | |
| Dibromomethane | ND | 5.0 | | | NR | | | | |



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Project Number : NORWALK NDLA, 04-NDLA-007
 Report To : Neil Irish
 Reported : 08/20/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec % Rec | % Rec Limits | RPD RPD | RPD Limit | Notes |
|---------|-------------------|----------------|----------------|------------------|----------------|-----------------|------------|--------------|-------|
|---------|-------------------|----------------|----------------|------------------|----------------|-----------------|------------|--------------|-------|

Batch B5H0333 - MSVOA_S (continued)

Blank (B5H0333-BLK1) - Continued

Prepared: 8/13/2015 Analyzed: 8/13/2015

| | | | | | | | | | |
|---------------------------|----|-----|--|--|----|--|--|--|--|
| Dichlorodifluoromethane | ND | 5.0 | | | NR | | | | |
| Ethyl Acetate | ND | 50 | | | NR | | | | |
| Ethyl Ether | ND | 50 | | | NR | | | | |
| Ethyl tert-butyl ether | ND | 5.0 | | | NR | | | | |
| Ethylbenzene | ND | 5.0 | | | NR | | | | |
| Freon-113 | ND | 5.0 | | | NR | | | | |
| Hexachlorobutadiene | ND | 5.0 | | | NR | | | | |
| Isopropylbenzene | ND | 5.0 | | | NR | | | | |
| m,p-Xylene | ND | 10 | | | NR | | | | |
| Methylene chloride | ND | 5.0 | | | NR | | | | |
| MTBE | ND | 5.0 | | | NR | | | | |
| n-Butylbenzene | ND | 5.0 | | | NR | | | | |
| n-Propylbenzene | ND | 5.0 | | | NR | | | | |
| Naphthalene | ND | 5.0 | | | NR | | | | |
| o-Xylene | ND | 5.0 | | | NR | | | | |
| sec-Butylbenzene | ND | 5.0 | | | NR | | | | |
| Styrene | ND | 5.0 | | | NR | | | | |
| tert-Amyl methyl ether | ND | 5.0 | | | NR | | | | |
| tert-Butanol | ND | 100 | | | NR | | | | |
| tert-Butylbenzene | ND | 5.0 | | | NR | | | | |
| Tetrachloroethene | ND | 5.0 | | | NR | | | | |
| Toluene | ND | 5.0 | | | NR | | | | |
| trans-1,2-Dichloroethene | ND | 5.0 | | | NR | | | | |
| trans-1,3-Dichloropropene | ND | 5.0 | | | NR | | | | |
| Trichloroethene | ND | 5.0 | | | NR | | | | |
| Trichlorofluoromethane | ND | 5.0 | | | NR | | | | |
| Vinyl acetate | ND | 50 | | | NR | | | | |
| Vinyl chloride | ND | 5.0 | | | NR | | | | |

| | | | | | | | | | |
|---|-------|--|---------|--|------|----------|--|--|--|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 35.36 | | 50.0000 | | 70.7 | 20 - 189 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 53.01 | | 50.0000 | | 106 | 20 - 173 | | | |
| <i>Surrogate: Dibromofluoromethane</i> | 42.96 | | 50.0000 | | 85.9 | 26 - 178 | | | |
| <i>Surrogate: Toluene-d8</i> | 42.21 | | 50.0000 | | 84.4 | 31 - 166 | | | |

LCS (B5H0333-BS1)

Prepared: 8/13/2015 Analyzed: 8/13/2015

| | | | | | | | | | |
|---------------------------|---------|-----|---------|--|------|----------|--|--|--|
| 1,1,1,2-Tetrachloroethane | 52.7500 | 5.0 | 50.0000 | | 106 | 74 - 117 | | | |
| 1,1,1-Trichloroethane | 48.6100 | 5.0 | 50.0000 | | 97.2 | 65 - 130 | | | |
| 1,1,2,2-Tetrachloroethane | 42.6200 | 5.0 | 50.0000 | | 85.2 | 63 - 123 | | | |
| 1,1,2-Trichloroethane | 45.4800 | 5.0 | 50.0000 | | 91.0 | 66 - 122 | | | |
| 1,1-Dichloroethane | 42.5100 | 5.0 | 50.0000 | | 85.0 | 65 - 124 | | | |
| 1,1-Dichloroethene | 53.1200 | 5.0 | 50.0000 | | 106 | 60 - 130 | | | |
| 1,1-Dichloropropene | 51.8800 | 5.0 | 50.0000 | | 104 | 75 - 121 | | | |



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 Report To : Neil Irish
 Reported : 08/20/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---------|-------------------|----------------|----------------|------------------|----------------|-----------------|-----|--------------|-------|
|---------|-------------------|----------------|----------------|------------------|----------------|-----------------|-----|--------------|-------|

Batch B5H0333 - MSVOA_S (continued)

LCS (B5H0333-BS1) - Continued

Prepared: 8/13/2015 Analyzed: 8/13/2015

| | | | | | | | | | |
|-----------------------------|---------|-----|---------|--|------|----------|--|--|--|
| 1,2,3-Trichloropropane | 42.8700 | 5.0 | 50.0000 | | 85.7 | 62 - 126 | | | |
| 1,2,3-Trichlorobenzene | 45.7900 | 5.0 | 50.0000 | | 91.6 | 72 - 120 | | | |
| 1,2,4-Trichlorobenzene | 48.5800 | 5.0 | 50.0000 | | 97.2 | 75 - 121 | | | |
| 1,2,4-Trimethylbenzene | 50.8000 | 5.0 | 50.0000 | | 102 | 82 - 118 | | | |
| 1,2-Dibromo-3-chloropropane | 46.7400 | 10 | 50.0000 | | 93.5 | 67 - 121 | | | |
| 1,2-Dibromoethane | 50.2200 | 5.0 | 50.0000 | | 100 | 69 - 123 | | | |
| 1,2-Dichlorobenzene | 49.9800 | 5.0 | 50.0000 | | 100 | 81 - 114 | | | |
| 1,2-Dichloroethane | 48.8100 | 5.0 | 50.0000 | | 97.6 | 71 - 119 | | | |
| 1,2-Dichloropropane | 46.9800 | 5.0 | 50.0000 | | 94.0 | 71 - 118 | | | |
| 1,3,5-Trimethylbenzene | 51.2900 | 5.0 | 50.0000 | | 103 | 81 - 120 | | | |
| 1,3-Dichlorobenzene | 50.6500 | 5.0 | 50.0000 | | 101 | 80 - 115 | | | |
| 1,3-Dichloropropane | 45.1400 | 5.0 | 50.0000 | | 90.3 | 77 - 117 | | | |
| 1,4-Dichlorobenzene | 50.7800 | 5.0 | 50.0000 | | 102 | 80 - 115 | | | |
| 2,2-Dichloropropane | 45.1900 | 5.0 | 50.0000 | | 90.4 | 58 - 141 | | | |
| 2-Chlorotoluene | 50.0500 | 5.0 | 50.0000 | | 100 | 78 - 120 | | | |
| 4-Chlorotoluene | 49.2800 | 5.0 | 50.0000 | | 98.6 | 79 - 119 | | | |
| 4-Isopropyltoluene | 51.4800 | 5.0 | 50.0000 | | 103 | 81 - 125 | | | |
| Benzene | 96.6800 | 5.0 | 100.000 | | 96.7 | 73 - 116 | | | |
| Bromobenzene | 47.8300 | 5.0 | 50.0000 | | 95.7 | 78 - 115 | | | |
| Bromochloromethane | 42.7500 | 5.0 | 50.0000 | | 85.5 | 66 - 121 | | | |
| Bromodichloromethane | 50.3700 | 5.0 | 50.0000 | | 101 | 73 - 120 | | | |
| Bromoform | 52.9200 | 5.0 | 50.0000 | | 106 | 68 - 124 | | | |
| Bromomethane | 66.5600 | 5.0 | 50.0000 | | 133 | 26 - 163 | | | |
| Carbon disulfide | 46.3200 | 5.0 | 50.0000 | | 92.6 | 43 - 142 | | | |
| Carbon tetrachloride | 63.3000 | 5.0 | 50.0000 | | 127 | 67 - 130 | | | |
| Chlorobenzene | 49.6700 | 5.0 | 50.0000 | | 99.3 | 82 - 114 | | | |
| Chloroethane | 50.2400 | 5.0 | 50.0000 | | 100 | 40 - 151 | | | |
| Chloroform | 45.5500 | 5.0 | 50.0000 | | 91.1 | 68 - 124 | | | |
| Chloromethane | 37.7500 | 5.0 | 50.0000 | | 75.5 | 18 - 144 | | | |
| cis-1,2-Dichloroethene | 42.7400 | 5.0 | 50.0000 | | 85.5 | 66 - 125 | | | |
| cis-1,3-Dichloropropene | 48.9100 | 5.0 | 50.0000 | | 97.8 | 77 - 120 | | | |
| Di-isopropyl ether | 38.1600 | 5.0 | 50.0000 | | 76.3 | 56 - 132 | | | |
| Dibromochloromethane | 49.4100 | 5.0 | 50.0000 | | 98.8 | 76 - 118 | | | |
| Dibromomethane | 48.5100 | 5.0 | 50.0000 | | 97.0 | 69 - 122 | | | |
| Dichlorodifluoromethane | 49.4300 | 5.0 | 50.0000 | | 98.9 | 0 - 155 | | | |
| Ethyl Acetate | 383.650 | 50 | 500.000 | | 76.7 | 31 - 137 | | | |
| Ethyl Ether | 387.010 | 50 | 500.000 | | 77.4 | 47 - 150 | | | |
| Ethyl tert-butyl ether | 39.2000 | 5.0 | 50.0000 | | 78.4 | 63 - 134 | | | |
| Ethylbenzene | 97.1400 | 5.0 | 100.000 | | 97.1 | 79 - 115 | | | |
| Freon-113 | 55.8600 | 5.0 | 50.0000 | | 112 | 62 - 134 | | | |
| Hexachlorobutadiene | 58.0000 | 5.0 | 50.0000 | | 116 | 71 - 121 | | | |
| Isopropylbenzene | 52.0900 | 5.0 | 50.0000 | | 104 | 78 - 126 | | | |



Certificate of Analysis

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Project Number : NORWALK NDLA, 04-NDLA-007
Report To : Neil Irish
Reported : 08/20/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec % Rec | % Rec Limits | RPD RPD | RPD Limit | Notes |
|---------|-------------------|----------------|----------------|------------------|----------------|-----------------|------------|--------------|-------|
|---------|-------------------|----------------|----------------|------------------|----------------|-----------------|------------|--------------|-------|

Batch B5H0333 - MSVOA_S (continued)

LCS (B5H0333-BS1) - Continued

Prepared: 8/13/2015 Analyzed: 8/13/2015

| | | | | | | | | | |
|---|--------------|-----|----------------|--|-------------|-----------------|--|--|--|
| m,p-Xylene | 94.6100 | 10 | 100.000 | | 94.6 | 80 - 119 | | | |
| Methylene chloride | 48.2400 | 5.0 | 50.0000 | | 96.5 | 56 - 129 | | | |
| MTBE | 36.7200 | 5.0 | 50.0000 | | 73.4 | 61 - 124 | | | |
| n-Butylbenzene | 55.8000 | 5.0 | 50.0000 | | 112 | 78 - 127 | | | |
| n-Propylbenzene | 52.7500 | 5.0 | 50.0000 | | 106 | 77 - 128 | | | |
| Naphthalene | 43.1500 | 5.0 | 50.0000 | | 86.3 | 61 - 141 | | | |
| o-Xylene | 93.6500 | 5.0 | 100.000 | | 93.6 | 81 - 116 | | | |
| sec-Butylbenzene | 52.6000 | 5.0 | 50.0000 | | 105 | 81 - 125 | | | |
| Styrene | 48.8900 | 5.0 | 50.0000 | | 97.8 | 82 - 120 | | | |
| tert-Amyl methyl ether | 35.4800 | 5.0 | 50.0000 | | 71.0 | 52 - 149 | | | |
| tert-Butanol | 139.490 | 100 | 250.000 | | 55.8 | 26 - 160 | | | |
| tert-Butylbenzene | 52.3900 | 5.0 | 50.0000 | | 105 | 80 - 123 | | | |
| Tetrachloroethene | 54.6000 | 5.0 | 50.0000 | | 109 | 75 - 123 | | | |
| Toluene | 100.470 | 5.0 | 100.000 | | 100 | 75 - 119 | | | |
| trans-1,2-Dichloroethene | 45.2200 | 5.0 | 50.0000 | | 90.4 | 62 - 127 | | | |
| trans-1,3-Dichloropropene | 49.7000 | 5.0 | 50.0000 | | 99.4 | 68 - 121 | | | |
| Trichloroethene | 52.4000 | 5.0 | 50.0000 | | 105 | 73 - 119 | | | |
| Trichlorofluoromethane | 53.6400 | 5.0 | 50.0000 | | 107 | 47 - 157 | | | |
| Vinyl acetate | 427.050 | 50 | 500.000 | | 85.4 | 20 - 136 | | | |
| Vinyl chloride | 43.1200 | 5.0 | 50.0000 | | 86.2 | 27 - 147 | | | |
| <hr/> | | | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>39.33</i> | | <i>50.0000</i> | | <i>78.7</i> | <i>20 - 189</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>57.24</i> | | <i>50.0000</i> | | <i>114</i> | <i>20 - 173</i> | | | |
| <i>Surrogate: Dibromofluoromethane</i> | <i>45.72</i> | | <i>50.0000</i> | | <i>91.4</i> | <i>26 - 178</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>44.25</i> | | <i>50.0000</i> | | <i>88.5</i> | <i>31 - 166</i> | | | |

Matrix Spike (B5H0333-MS1)

Source: 1502771-01

Prepared: 8/13/2015 Analyzed: 8/13/2015

| | | | | | | | | | |
|-----------------------------|---------|-----|---------|----|------|----------|--|--|--|
| 1,1,1,2-Tetrachloroethane | 51.9500 | 5.0 | 50.0000 | ND | 104 | 45 - 122 | | | |
| 1,1,1-Trichloroethane | 51.5000 | 5.0 | 50.0000 | ND | 103 | 46 - 131 | | | |
| 1,1,2,2-Tetrachloroethane | 47.2800 | 5.0 | 50.0000 | ND | 94.6 | 34 - 133 | | | |
| 1,1,2-Trichloroethane | 44.2000 | 5.0 | 50.0000 | ND | 88.4 | 40 - 133 | | | |
| 1,1-Dichloroethane | 43.6500 | 5.0 | 50.0000 | ND | 87.3 | 50 - 120 | | | |
| 1,1-Dichloroethene | 49.9600 | 5.0 | 50.0000 | ND | 99.9 | 42 - 130 | | | |
| 1,1-Dichloropropene | 57.1400 | 5.0 | 50.0000 | ND | 114 | 49 - 125 | | | |
| 1,2,3-Trichloropropane | 48.2400 | 5.0 | 50.0000 | ND | 96.5 | 42 - 130 | | | |
| 1,2,3-Trichlorobenzene | 26.0800 | 5.0 | 50.0000 | ND | 52.2 | 2 - 136 | | | |
| 1,2,4-Trichlorobenzene | 27.5800 | 5.0 | 50.0000 | ND | 55.2 | 6 - 137 | | | |
| 1,2,4-Trimethylbenzene | 48.7600 | 5.0 | 50.0000 | ND | 97.5 | 37 - 129 | | | |
| 1,2-Dibromo-3-chloropropane | 47.7700 | 10 | 50.0000 | ND | 95.5 | 36 - 135 | | | |
| 1,2-Dibromoethane | 51.4300 | 5.0 | 50.0000 | ND | 103 | 43 - 129 | | | |
| 1,2-Dichlorobenzene | 46.1100 | 5.0 | 50.0000 | ND | 92.2 | 31 - 129 | | | |
| 1,2-Dichloroethane | 51.0400 | 5.0 | 50.0000 | ND | 102 | 50 - 122 | | | |



Certificate of Analysis

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Project Number : NORWALK NDLA, 04-NDLA-007

Report To : Neil Irish

Reported : 08/20/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec % Rec | % Rec Limits | RPD RPD | RPD Limit | Notes |
|---------|-------------------|----------------|----------------|------------------|----------------|-----------------|------------|--------------|-------|
|---------|-------------------|----------------|----------------|------------------|----------------|-----------------|------------|--------------|-------|

Batch B5H0333 - MSVOA_S (continued)

Matrix Spike (B5H0333-MS1) - Continued

Source: 1502771-01

Prepared: 8/13/2015 Analyzed: 8/13/2015

| | | | | | | | | | |
|-------------------------|---------|-----|---------|---------|------|----------|--|--|----|
| 1,2-Dichloropropane | 45.9600 | 5.0 | 50.0000 | ND | 91.9 | 51 - 119 | | | |
| 1,3,5-Trimethylbenzene | 49.5500 | 5.0 | 50.0000 | ND | 99.1 | 38 - 130 | | | |
| 1,3-Dichlorobenzene | 47.9100 | 5.0 | 50.0000 | ND | 95.8 | 31 - 128 | | | |
| 1,3-Dichloropropane | 45.4400 | 5.0 | 50.0000 | ND | 90.9 | 52 - 122 | | | |
| 1,4-Dichlorobenzene | 48.1500 | 5.0 | 50.0000 | ND | 96.3 | 31 - 128 | | | |
| 2,2-Dichloropropane | 46.6000 | 5.0 | 50.0000 | ND | 93.2 | 42 - 140 | | | |
| 2-Chlorotoluene | 50.4200 | 5.0 | 50.0000 | ND | 101 | 38 - 129 | | | |
| 4-Chlorotoluene | 49.6100 | 5.0 | 50.0000 | ND | 99.2 | 38 - 128 | | | |
| 4-Isopropyltoluene | 42.2700 | 5.0 | 50.0000 | ND | 84.5 | 31 - 137 | | | |
| Benzene | 100.170 | 5.0 | 100.000 | ND | 100 | 51 - 117 | | | |
| Bromobenzene | 50.2500 | 5.0 | 50.0000 | ND | 100 | 41 - 125 | | | |
| Bromochloromethane | 41.4800 | 5.0 | 50.0000 | ND | 83.0 | 47 - 123 | | | |
| Bromodichloromethane | 49.9300 | 5.0 | 50.0000 | ND | 99.9 | 50 - 122 | | | |
| Bromoform | 52.4200 | 5.0 | 50.0000 | ND | 105 | 39 - 131 | | | |
| Bromomethane | 67.3800 | 5.0 | 50.0000 | ND | 135 | 10 - 154 | | | |
| Carbon disulfide | 42.5800 | 5.0 | 50.0000 | ND | 85.2 | 24 - 138 | | | |
| Carbon tetrachloride | 67.6500 | 5.0 | 50.0000 | ND | 135 | 44 - 131 | | | M1 |
| Chlorobenzene | 49.3300 | 5.0 | 50.0000 | ND | 98.7 | 46 - 123 | | | |
| Chloroethane | 57.8500 | 5.0 | 50.0000 | ND | 116 | 27 - 143 | | | |
| Chloroform | 46.5200 | 5.0 | 50.0000 | ND | 93.0 | 50 - 124 | | | |
| Chloromethane | 41.4900 | 5.0 | 50.0000 | ND | 83.0 | 8 - 139 | | | |
| cis-1,2-Dichloroethene | 43.6300 | 5.0 | 50.0000 | ND | 87.3 | 48 - 125 | | | |
| cis-1,3-Dichloropropene | 48.1200 | 5.0 | 50.0000 | ND | 96.2 | 51 - 123 | | | |
| Di-isopropyl ether | 37.7200 | 5.0 | 50.0000 | ND | 75.4 | 45 - 125 | | | |
| Dibromochloromethane | 49.2800 | 5.0 | 50.0000 | ND | 98.6 | 48 - 124 | | | |
| Dibromomethane | 49.1600 | 5.0 | 50.0000 | ND | 98.3 | 48 - 124 | | | |
| Dichlorodifluoromethane | 53.7200 | 5.0 | 50.0000 | ND | 107 | 0 - 150 | | | |
| Ethyl Acetate | 395.870 | 50 | 500.000 | ND | 79.2 | 0 - 140 | | | |
| Ethyl Ether | 398.800 | 50 | 500.000 | ND | 79.8 | 36 - 142 | | | |
| Ethyl tert-butyl ether | 38.8800 | 5.0 | 50.0000 | ND | 77.8 | 46 - 133 | | | |
| Ethylbenzene | 95.9100 | 5.0 | 100.000 | ND | 95.9 | 46 - 123 | | | |
| Freon-113 | 53.8900 | 5.0 | 50.0000 | ND | 108 | 38 - 137 | | | |
| Hexachlorobutadiene | 15.2300 | 5.0 | 50.0000 | ND | 30.5 | 5 - 132 | | | |
| Isopropylbenzene | 58.9800 | 5.0 | 50.0000 | 4.39000 | 109 | 43 - 132 | | | |
| m,p-Xylene | 94.1200 | 10 | 100.000 | ND | 94.1 | 45 - 128 | | | |
| Methylene chloride | 56.2500 | 5.0 | 50.0000 | ND | 112 | 37 - 126 | | | |
| MTBE | 37.7800 | 5.0 | 50.0000 | ND | 75.6 | 46 - 125 | | | |
| n-Butylbenzene | 40.3700 | 5.0 | 50.0000 | ND | 80.7 | 24 - 138 | | | |
| n-Propylbenzene | 58.3800 | 5.0 | 50.0000 | 4.05000 | 109 | 40 - 133 | | | |
| Naphthalene | 41.1600 | 5.0 | 50.0000 | 3.48000 | 75.4 | 10 - 149 | | | |
| o-Xylene | 92.4300 | 5.0 | 100.000 | ND | 92.4 | 45 - 125 | | | |
| sec-Butylbenzene | 47.2000 | 5.0 | 50.0000 | 3.16000 | 88.1 | 33 - 136 | | | |



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill, CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007

Report To : Neil Irish

Reported : 08/20/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---------|-------------------|----------------|----------------|------------------|----------------|-----------------|-----|--------------|-------|
|---------|-------------------|----------------|----------------|------------------|----------------|-----------------|-----|--------------|-------|

Batch B5H0333 - MSVOA_S (continued)

Matrix Spike (B5H0333-MS1) - Continued

Source: 1502771-01

Prepared: 8/13/2015 Analyzed: 8/13/2015

| | | | | | | | | | |
|----------------------------------|---------|-----|---------|----|------|----------|--|--|--|
| Styrene | 48.1200 | 5.0 | 50.0000 | ND | 96.2 | 43 - 128 | | | |
| tert-Amyl methyl ether | 35.6700 | 5.0 | 50.0000 | ND | 71.3 | 35 - 147 | | | |
| tert-Butanol | 159.050 | 100 | 250.000 | ND | 63.6 | 0 - 208 | | | |
| tert-Butylbenzene | 47.7200 | 5.0 | 50.0000 | ND | 95.4 | 36 - 133 | | | |
| Tetrachloroethene | 54.7300 | 5.0 | 50.0000 | ND | 109 | 41 - 129 | | | |
| Toluene | 102.470 | 5.0 | 100.000 | ND | 102 | 49 - 124 | | | |
| trans-1,2-Dichloroethene | 48.3500 | 5.0 | 50.0000 | ND | 96.7 | 44 - 126 | | | |
| trans-1,3-Dichloropropene | 48.1000 | 5.0 | 50.0000 | ND | 96.2 | 42 - 125 | | | |
| Trichloroethene | 57.3100 | 5.0 | 50.0000 | ND | 115 | 38 - 139 | | | |
| Trichlorofluoromethane | 59.3300 | 5.0 | 50.0000 | ND | 119 | 30 - 157 | | | |
| Vinyl acetate | 339.730 | 50 | 500.000 | ND | 67.9 | 0 - 132 | | | |
| Vinyl chloride | 50.5500 | 5.0 | 50.0000 | ND | 101 | 19 - 142 | | | |
| <hr/> | | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 40.10 | | 50.0000 | | 80.2 | 20 - 189 | | | |
| Surrogate: 4-Bromofluorobenzene | 54.08 | | 50.0000 | | 108 | 20 - 173 | | | |
| Surrogate: Dibromofluoromethane | 45.58 | | 50.0000 | | 91.2 | 26 - 178 | | | |
| Surrogate: Toluene-d8 | 44.43 | | 50.0000 | | 88.9 | 31 - 166 | | | |

Matrix Spike Dup (B5H0333-MSD1)

Source: 1502771-01

Prepared: 8/13/2015 Analyzed: 8/13/2015

| | | | | | | | | |
|-----------------------------|---------|-----|---------|----|------|----------|-------|----|
| 1,1,1,2-Tetrachloroethane | 49.5900 | 5.0 | 50.0000 | ND | 99.2 | 45 - 122 | 4.65 | 20 |
| 1,1,1-Trichloroethane | 48.4300 | 5.0 | 50.0000 | ND | 96.9 | 46 - 131 | 6.14 | 20 |
| 1,1,2,2-Tetrachloroethane | 45.4100 | 5.0 | 50.0000 | ND | 90.8 | 34 - 133 | 4.03 | 20 |
| 1,1,2-Trichloroethane | 46.8900 | 5.0 | 50.0000 | ND | 93.8 | 40 - 133 | 5.91 | 20 |
| 1,1-Dichloroethane | 42.4000 | 5.0 | 50.0000 | ND | 84.8 | 50 - 120 | 2.91 | 20 |
| 1,1-Dichloroethene | 47.6000 | 5.0 | 50.0000 | ND | 95.2 | 42 - 130 | 4.84 | 20 |
| 1,1-Dichloropropene | 51.2700 | 5.0 | 50.0000 | ND | 103 | 49 - 125 | 10.8 | 20 |
| 1,2,3-Trichloropropane | 44.3000 | 5.0 | 50.0000 | ND | 88.6 | 42 - 130 | 8.52 | 20 |
| 1,2,3-Trichlorobenzene | 27.7500 | 5.0 | 50.0000 | ND | 55.5 | 2 - 136 | 6.20 | 20 |
| 1,2,4-Trichlorobenzene | 29.0300 | 5.0 | 50.0000 | ND | 58.1 | 6 - 137 | 5.12 | 20 |
| 1,2,4-Trimethylbenzene | 46.5500 | 5.0 | 50.0000 | ND | 93.1 | 37 - 129 | 4.64 | 20 |
| 1,2-Dibromo-3-chloropropane | 48.0400 | 10 | 50.0000 | ND | 96.1 | 36 - 135 | 0.564 | 20 |
| 1,2-Dibromoethane | 47.2100 | 5.0 | 50.0000 | ND | 94.4 | 43 - 129 | 8.56 | 20 |
| 1,2-Dichlorobenzene | 44.3000 | 5.0 | 50.0000 | ND | 88.6 | 31 - 129 | 4.00 | 20 |
| 1,2-Dichloroethane | 44.1900 | 5.0 | 50.0000 | ND | 88.4 | 50 - 122 | 14.4 | 20 |
| 1,2-Dichloropropane | 43.0600 | 5.0 | 50.0000 | ND | 86.1 | 51 - 119 | 6.52 | 20 |
| 1,3,5-Trimethylbenzene | 47.0700 | 5.0 | 50.0000 | ND | 94.1 | 38 - 130 | 5.13 | 20 |
| 1,3-Dichlorobenzene | 45.1700 | 5.0 | 50.0000 | ND | 90.3 | 31 - 128 | 5.89 | 20 |
| 1,3-Dichloropropane | 44.5600 | 5.0 | 50.0000 | ND | 89.1 | 52 - 122 | 1.96 | 20 |
| 1,4-Dichlorobenzene | 44.6900 | 5.0 | 50.0000 | ND | 89.4 | 31 - 128 | 7.45 | 20 |
| 2,2-Dichloropropane | 44.3900 | 5.0 | 50.0000 | ND | 88.8 | 42 - 140 | 4.86 | 20 |
| 2-Chlorotoluene | 46.8600 | 5.0 | 50.0000 | ND | 93.7 | 38 - 129 | 7.32 | 20 |
| 4-Chlorotoluene | 46.8000 | 5.0 | 50.0000 | ND | 93.6 | 38 - 128 | 5.83 | 20 |



Certificate of Analysis

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 Signal Hill , CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007

Report To : Neil Irish

Reported : 08/20/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---------|-------------------|----------------|----------------|------------------|----------------|-----------------|-----|--------------|-------|
|---------|-------------------|----------------|----------------|------------------|----------------|-----------------|-----|--------------|-------|

Batch B5H0333 - MSVOA_S (continued)

Matrix Spike Dup (B5H0333-MSD1) - Continued

Source: 1502771-01

Prepared: 8/13/2015 Analyzed: 8/13/2015

| | | | | | | | | | |
|---------------------------|---------|-----|----------|---------|------|----------|-------|----|--|
| 4-Isopropyltoluene | 41.9900 | 5.0 | 50.0000 | ND | 84.0 | 31 - 137 | 0.665 | 20 | |
| Benzene | 92.3200 | 5.0 | 100.0000 | ND | 92.3 | 51 - 117 | 8.16 | 20 | |
| Bromobenzene | 45.2900 | 5.0 | 50.0000 | ND | 90.6 | 41 - 125 | 10.4 | 20 | |
| Bromochloromethane | 41.0800 | 5.0 | 50.0000 | ND | 82.2 | 47 - 123 | 0.969 | 20 | |
| Bromodichloromethane | 46.8400 | 5.0 | 50.0000 | ND | 93.7 | 50 - 122 | 6.39 | 20 | |
| Bromoform | 50.7000 | 5.0 | 50.0000 | ND | 101 | 39 - 131 | 3.34 | 20 | |
| Bromomethane | 63.3100 | 5.0 | 50.0000 | ND | 127 | 10 - 154 | 6.23 | 20 | |
| Carbon disulfide | 40.4300 | 5.0 | 50.0000 | ND | 80.9 | 24 - 138 | 5.18 | 20 | |
| Carbon tetrachloride | 59.7500 | 5.0 | 50.0000 | ND | 120 | 44 - 131 | 12.4 | 20 | |
| Chlorobenzene | 47.6300 | 5.0 | 50.0000 | ND | 95.3 | 46 - 123 | 3.51 | 20 | |
| Chloroethane | 53.2400 | 5.0 | 50.0000 | ND | 106 | 27 - 143 | 8.30 | 20 | |
| Chloroform | 43.8400 | 5.0 | 50.0000 | ND | 87.7 | 50 - 124 | 5.93 | 20 | |
| Chloromethane | 39.4500 | 5.0 | 50.0000 | ND | 78.9 | 8 - 139 | 5.04 | 20 | |
| cis-1,2-Dichloroethene | 42.0600 | 5.0 | 50.0000 | ND | 84.1 | 48 - 125 | 3.66 | 20 | |
| cis-1,3-Dichloropropene | 46.2600 | 5.0 | 50.0000 | ND | 92.5 | 51 - 123 | 3.94 | 20 | |
| Di-isopropyl ether | 38.1400 | 5.0 | 50.0000 | ND | 76.3 | 45 - 125 | 1.11 | 20 | |
| Dibromochloromethane | 46.7500 | 5.0 | 50.0000 | ND | 93.5 | 48 - 124 | 5.27 | 20 | |
| Dibromomethane | 45.4600 | 5.0 | 50.0000 | ND | 90.9 | 48 - 124 | 7.82 | 20 | |
| Dichlorodifluoromethane | 50.5300 | 5.0 | 50.0000 | ND | 101 | 0 - 150 | 6.12 | 20 | |
| Ethyl Acetate | 393.460 | 50 | 500.000 | ND | 78.7 | 0 - 140 | 0.611 | 20 | |
| Ethyl Ether | 393.780 | 50 | 500.000 | ND | 78.8 | 36 - 142 | 1.27 | 20 | |
| Ethyl tert-butyl ether | 39.5400 | 5.0 | 50.0000 | ND | 79.1 | 46 - 133 | 1.68 | 20 | |
| Ethylbenzene | 92.5400 | 5.0 | 100.000 | ND | 92.5 | 46 - 123 | 3.58 | 20 | |
| Freon-113 | 49.4400 | 5.0 | 50.0000 | ND | 98.9 | 38 - 137 | 8.61 | 20 | |
| Hexachlorobutadiene | 17.3600 | 5.0 | 50.0000 | ND | 34.7 | 5 - 132 | 13.1 | 20 | |
| Isopropylbenzene | 55.7200 | 5.0 | 50.0000 | 4.39000 | 103 | 43 - 132 | 5.68 | 20 | |
| m,p-Xylene | 91.4500 | 10 | 100.000 | ND | 91.4 | 45 - 128 | 2.88 | 20 | |
| Methylene chloride | 51.4100 | 5.0 | 50.0000 | ND | 103 | 37 - 126 | 8.99 | 20 | |
| MTBE | 37.6400 | 5.0 | 50.0000 | ND | 75.3 | 46 - 125 | 0.371 | 20 | |
| n-Butylbenzene | 43.2600 | 5.0 | 50.0000 | ND | 86.5 | 24 - 138 | 6.91 | 20 | |
| n-Propylbenzene | 57.8300 | 5.0 | 50.0000 | 4.05000 | 108 | 40 - 133 | 0.947 | 20 | |
| Naphthalene | 43.9800 | 5.0 | 50.0000 | 3.48000 | 81.0 | 10 - 149 | 6.62 | 20 | |
| o-Xylene | 89.5400 | 5.0 | 100.000 | ND | 89.5 | 45 - 125 | 3.18 | 20 | |
| sec-Butylbenzene | 49.0400 | 5.0 | 50.0000 | 3.16000 | 91.8 | 33 - 136 | 3.82 | 20 | |
| Styrene | 46.6900 | 5.0 | 50.0000 | ND | 93.4 | 43 - 128 | 3.02 | 20 | |
| tert-Amyl methyl ether | 36.3100 | 5.0 | 50.0000 | ND | 72.6 | 35 - 147 | 1.78 | 20 | |
| tert-Butanol | 171.560 | 100 | 250.000 | ND | 68.6 | 0 - 208 | 7.57 | 20 | |
| tert-Butylbenzene | 45.3400 | 5.0 | 50.0000 | ND | 90.7 | 36 - 133 | 5.11 | 20 | |
| Tetrachloroethene | 51.0400 | 5.0 | 50.0000 | ND | 102 | 41 - 129 | 6.98 | 20 | |
| Toluene | 95.2600 | 5.0 | 100.000 | ND | 95.3 | 49 - 124 | 7.29 | 20 | |
| trans-1,2-Dichloroethene | 44.7700 | 5.0 | 50.0000 | ND | 89.5 | 44 - 126 | 7.69 | 20 | |
| trans-1,3-Dichloropropene | 47.1100 | 5.0 | 50.0000 | ND | 94.2 | 42 - 125 | 2.08 | 20 | |



Certificate of Analysis

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 Signal Hill , CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007
 Report To : Neil Irish
 Reported : 08/20/2015

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---------|-------------------|----------------|----------------|------------------|-------|-----------------|-----|--------------|-------|
|---------|-------------------|----------------|----------------|------------------|-------|-----------------|-----|--------------|-------|

Batch B5H0333 - MSVOA_S (continued)

Matrix Spike Dup (B5H0333-MSD1) - Continued

Source: 1502771-01

Prepared: 8/13/2015 Analyzed: 8/13/2015

| | | | | | | | | | |
|---|--------------|-----|----------------|----|-------------|-----------------|------|----|---|
| Trichloroethene | 53.4200 | 5.0 | 50.0000 | ND | 107 | 38 - 139 | 7.03 | 20 | |
| Trichlorofluoromethane | 53.2000 | 5.0 | 50.0000 | ND | 106 | 30 - 157 | 10.9 | 20 | |
| Vinyl acetate | 270.560 | 50 | 500.000 | ND | 54.1 | 0 - 132 | 22.7 | 20 | R |
| Vinyl chloride | 45.8300 | 5.0 | 50.0000 | ND | 91.7 | 19 - 142 | 9.79 | 20 | |
| <hr/> | | | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>42.42</i> | | <i>50.0000</i> | | <i>84.8</i> | <i>20 - 189</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>59.33</i> | | <i>50.0000</i> | | <i>119</i> | <i>20 - 173</i> | | | |
| <i>Surrogate: Dibromofluoromethane</i> | <i>45.29</i> | | <i>50.0000</i> | | <i>90.6</i> | <i>26 - 178</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>44.16</i> | | <i>50.0000</i> | | <i>88.3</i> | <i>31 - 166</i> | | | |



Certificate of Analysis

The Source Group, Inc.
1962 Freeman Avenue
Signal Hill , CA 90755

Project Number : NORWALK NDLA, 04-NDLA-007
Report To : Neil Irish
Reported : 08/20/2015

Notes and Definitions

| | |
|-----|---|
| R | RPD value outside acceptance criteria. Calculation is based on raw values. |
| M1 | Matrix spike recovery outside of acceptance limit. The analytical batch was validated by the laboratory control sample. |
| ND | Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL) |
| PQL | Practical Quantitation Limit |
| MDL | Method Detection Limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |
| CA2 | CA-ELAP (CDPH) |
| OR1 | OR-NELAP (OSPHL) |
| TX1 | TX-NELAP (TCEQ) |

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.

Rachelle Arada

From: Neil Irish [nirish@thesourcegroup.net]
Sent: Thursday, August 13, 2015 4:48 PM
To: Rachelle Arada
Cc: Edric Caballero; Deryck Roberts; customer.relations@atlglobal.com; Angela Czuba; Rita Bemis; Carmen Aguila
Subject: Re: Results/Invoice - NORWALK DFSP, 04-NDLA-007/3-1 (ATL# 1502736)

That range is fine - thanks
Neil

On Aug 13, 2015, at 4:23 PM, Rachelle Arada <Rachelle@atlglobal.com> wrote:

Hi Neil,

I'm just following this up.

Rachelle

From: Rachelle Arada
Sent: Wednesday, August 12, 2015 2:27 PM
To: 'Neil Irish'
Cc: Edric Caballero; Deryck Roberts; customer.relations@atlglobal.com; Angela Czuba; Rita Bemis; Carmen Aguila
Subject: RE: Results/Invoice - NORWALK DFSP, 04-NDLA-007/3-1 (ATL# 1502736)

Hi Neil,

I just wanted to find out if you have a preferred 8015 carbon chain breakdown for this project. Our default is C8-10, C10-18, C18-28, C28-36, C36-40, C8-40 Total.

Rachelle

From: Neil Irish [<mailto:nirish@thesourcegroup.net>]
Sent: Tuesday, August 11, 2015 4:59 PM
To: Rachelle Arada
Cc: Edric Caballero; Deryck Roberts; customer.relations@atlglobal.com; Angela Czuba; Rita Bemis
Subject: Re: Results/Invoice - NORWALK DFSP, 04-NDLA-007/3-1 (ATL# 1502736)

That's fine

In the interim, Deryck has 10 soil samples- please run those for 8015 HC screen, 8260 full list, and title 22 metals- standard tat

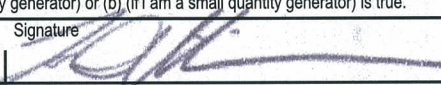

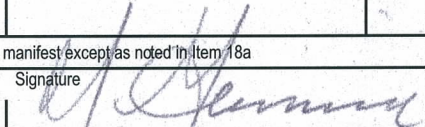
Thanks!

On Aug 11, 2015, at 4:54 PM, Rachelle Arada <Rachelle@atlglobal.com> wrote:

Hi Neil,

Per our lab director's conversation with Deryck, we believe that the sample is possibly a inorganic tracer dye. We don't think that 8260/8270 TIC will provide any insight on what is in the sample. Our lab is not set-up to determine any type of tracer dyes, we

ATTACHMENT E
MANIFEST

| | | | | | | | | |
|--|---|--|---|--|---|--------------------|------------------|-------------------|
| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator ID Number CA8971524360 | 2. Page 1 of 1 | 3. Emergency Response Phone 888-423-6060 | 4. Manifest Tracking Number 014129609 JJK | | | |
| 5. Generator's Name and Mailing Address Defense Energy Support Center DLA 8725 John J Kingman Road, Room #28 Ft Belvoir VA 22060 | | | Generator's Site Address (if different than mailing address) Defense Logistics Agency - Energy 15306 Norwalk Blvd. Norwalk CA 90650 | | | | | |
| Generator's Phone: 703 767-8313 | | | U.S. EPA ID Number CAR000148338 | | | | | |
| 6. Transporter 1 Company Name American Integrated Services Inc | | | U.S. EPA ID Number | | | | | |
| 7. Transporter 2 Company Name | | | U.S. EPA ID Number | | | | | |
| 8. Designated Facility Name and Site Address Crosby & Overton, Inc. 1630 W. 17th Street Long Beach CA 90813 | | | U.S. EPA ID Number CAD097030993 | | | | | |
| Facility's Phone: 562 432-5445 | | | U.S. EPA ID Number | | | | | |
| GENERATOR | 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers | | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes | |
| | | 1. Non-RCRA Hazardous Waste Liquid | No. | Type | 160 | G | 331 | |
| | | 2. | 3 | DM | | | | |
| | | 3. | | | | | | |
| | | 4. | | | | | | |
| 14. Special Handling Instructions and Additional Information Wear proper PPE while handling. Weights or volumes are approximate. Job# 35009-9-26 Profile# 93193 | | | | | | | | |
| 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. | | | | | | | | |
| Generator's/Offeree's Printed/Typed Name TOO E.H. WILLIAMS | | | | | Signature  | Month 9 | Day 3 | Year 15 |
| TRANSPORTER INT'L | 16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. | | Port of entry/exit: _____ Date leaving U.S.: _____ | | | | | |
| | 17. Transporter Acknowledgment of Receipt of Materials | | | | | | | |
| | Transporter 1 Printed/Typed Name ALONZO DELGADO | | Signature  | | | Month 09 | Day 03 | Year 15 |
| Transporter 2 Printed/Typed Name | | Signature | | | Month | Day | Year | |
| DESIGNATED FACILITY | 18. Discrepancy | | | | | | | |
| | 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection | | | | | | | |
| | Manifest Reference Number: _____ | | | | | | | |
| | 18b. Alternate Facility (or Generator) | | | | U.S. EPA ID Number | | | |
| | Facility's Phone: _____ | | | | | | | |
| 18c. Signature of Alternate Facility (or Generator) | | | | | | | | |
| 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) | | | | | | | | |
| 1. H141 | | 2. | | 3. | | 4. | | |
| 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a | | | | | | | | |
| Printed/Typed Name M GAMINO | | | | | Signature  | Month 9 | Day 3 | Year 15 |

ATTACHMENT F

GEOPHYSICAL SURVEY MAP OF BURIED PIPELINES – DFSP NORWALK



SITE

15306 Norwalk Blvd
Norwalk, California

DRAFTED

April 19th, 2011






UPDATED

May 17th, 2011

SCALE



LEGEND

-  storm drain line
-  unknown line
-  water/foam line
-  suspect UST areas
-  anomaly



Please note:

- While the map that was generated by SubSurface Surveys is an accurate general representation of the site and our findings, it is not of engineering quality (i.e., measured and mapped by a licensed land surveyor). Please keep in mind that small variances of the pipelines' locations on the map may be observed from actual locations. This is partly due to the small scale and line thicknesses used to generate the map.

- It should be understood that limitations inherent in geophysical instruments and/or surveying techniques exist at all sites, and nearly all sites exhibit conditions under which instruments might not perform optimally. Consequently, the detection of buried objects in all circumstances cannot be guaranteed.

- In some cases where multiple risers existed close together, the signal from the line locator followed the most prominent line in the trench. Because of this, it could not always be determined if there were actually multiple lines that ran in the trench or if there was just one main trunk line. For this reason, only one line was drawn on the map for each detected pipeline.

- Base map provided by Google.

FIGURE 1

