NEW MEXICO ENVIRONMENT DEPARTMENT
VOLUNTARY REMEDIATION AGREEMENT

I. Introduction

This Voluntary Remediation Agreement ("Agreement") is entered into voluntarily by the **City of Deming,** represented by **Aaron Sera**, **City Manager**, who is duly authorized and appointed ("Participant") and the secretary of the New Mexico Environment Department ("Department"), or his or her designee, pursuant to the Voluntary Remediation Act, Sections 74-4G-1 et seq. NMSA 1978, and the New Mexico Voluntary Remediation Regulations (20.6.3 NMAC). The purpose of this Agreement is to detail the obligations and functions of each party relevant to the remediation to be conducted at the **Deming Westside Project** ("Site"), located at 1200 W. Pine Street, 1218 W. Pine Street, 1300 W. Pine Street, 1312 W. Pine Street, 140 S. 12th Street, and 165 S. 12th Street in Deming, under the Voluntary Remediation Program **(VRP Site No. 53241004)**. This Voluntary Remediation Agreement is issued pursuant to Section 20.6.3.300 NMAC and the Delegation Order dated February 19, 2024, through which the Cabinet Secretary has delegated signatory authority to the Chief of the Ground Water Quality Bureau.

The activities conducted by the Participant under this Agreement are subject to approval by the Department. The activities conducted by the Participant shall be consistent with this Agreement, all applicable laws and regulations, and any pertinent guidance documents. The Participant shall employ sound scientific, engineering, and construction practices in the voluntary remediation activities at this Site.

II. Statement of Eligibility

The secretary or his designee has determined that the application, submitted by the Participant to the Department on July 29, 2024, is complete, and that the Participant is eligible to enter into this Agreement in accordance with Section 74-4G-5 NMSA 1978 and 20.6.3.200.A NMAC.

III. Parties Bound

This Agreement shall apply to and be binding upon the Participant, its officers, managing agents, directors, principals, partners, employees, receivers, trustees, agents, parents, subsidiaries and affiliates, and upon the Department, its employees, and agents. The Participant has submitted with the application a signed Declaration of Ability and Intent as set forth in 20.6.3.200.B(2) NMAC. No change in ownership, corporate, or partnership status shall in any way alter the Participant's status or responsibilities under this Agreement unless the Participant or Department terminates this Agreement in accordance with 20.6.3.300.H NMAC.

The Participant shall provide a copy of this Agreement to any subsequent owners or successors before ownership rights are transferred. The Participant shall provide a copy of this Agreement to all contractors, subcontractors, laboratories, and consultants or other parties, which are retained by the Participant, to conduct any work under this Agreement, within 14 days after the effective date of this Agreement or within 14 days of the date of retaining their services.

IV. Designated Project Manager

On or before the effective date of this Agreement, the Department shall designate a project

manager. The Primary Applicant specified on the Voluntary Remediation Program Application will function as the project manager for the Participant. Each project manager shall be responsible for overseeing the implementation of this Agreement. The Department project manager will be the Department-designated representative at the site. To the maximum extent possible, communications between the Participant and Department and all documents (including reports, approvals, and other correspondence) concerning the activities performed pursuant to the terms and conditions of this Agreement shall be directed through the project managers. During implementation of this Agreement, the project managers shall, whenever possible, operate by consensus and shall attempt in good faith to resolve disputes informally through discussion of the issues. Each party has the right to change its respective project manager by notifying the other party in writing at least five days prior to the change.

V. Definitions

"Site" means the area described in the Voluntary Remediation Application. This description is attached and incorporated herein as Exhibit 1. All other terms used are defined in Section 74-4G-3 NMSA 1978 and 20.6.3.7 NMAC.

VI. Addresses for All Correspondence

Documents, including reports, approvals, notifications, disapprovals, and other correspondence to be submitted under this Agreement, may be sent by certified mail, first class mail, hand delivery, overnight mail, or by courier service to the following addresses or to such addresses as the Participant or Department designates in writing. Signatory documents, such as Voluntary Remediation Agreements, shall be sent via Electronic Signature software, such as Docusign™. Please notify NMED if you are unable to sign the VRA electronically and NMED will provide a hard copy via mail.

Documents to be submitted to the Department should be sent to:

Mailing Address:
Tim Noger
Ground Water Quality Bureau
New Mexico Environment Department
P.O. Box 5469
Santa Fe, NM 87502
E-mail: tim.noger@env.nm.gov
Phone number: (505) 629-8604
Fax number: (505) 827-2965

Physical Address:
Tim Noger
Ground Water Quality Bureau
New Mexico Environment Department
1190 St. Francis Drive
Santa Fe, NM 87505

Documents to be submitted to the Participant should be sent to:

Mailing Address:
City of Deming
Attn: Aaron Sera
1275 E. Pine Street
Deming, NM 88030

Physical Address:
Same as mailing address

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(575) 546-8848
asera@cityofdeming.org

VII. Compliance with Applicable Laws

All work undertaken by the Participant pursuant to this Agreement shall be performed in compliance with all applicable federal, state and local laws, ordinances and regulations, including, but not limited to all Occupational Safety and Health Administration, Department of Transportation, Resource Conservation and Recovery Act, New Mexico Water Quality Control Commission, and New Mexico Environmental Improvement Board Petroleum Storage Tank regulations. In the event of a conflict between federal, state, or local laws, ordinances, or regulations, the Participant shall comply with the most stringent of such laws, ordinances, or regulations, unless provided otherwise in writing by the Department or other appropriate regulatory personnel with jurisdiction over such laws, ordinances, and regulations. Where it is determined that a permit is required under federal, state or local laws, ordinances, or regulations, the Participant shall submit timely and complete applications and take all other actions necessary to obtain all such permits or approvals. The Participant shall be responsible for obtaining all permits that are necessary for the performance of the work hereunder, and for all ongoing or proposed Site activities, and for all ongoing or proposed facility operations.

VIII. Performance Standards and Associated Requirements

The Participant has submitted with his application to the Department a preliminary work plan describing the proposed voluntary remediation activities as they are currently envisioned as being submitted in a final voluntary remediation work plan, which includes a description of the known and suspected contaminants to be addressed by the proposed voluntary remediation activities. This preliminary work plan was prepared pursuant to 20.6.3.200.B NMAC. A copy of the preliminary work plan is attached and incorporated herein as Exhibit 2.

The contaminants covered by this Agreement are described as follows:

- *Soil – Total Petroleum Hydrocarbons (TPH) and volatile organic compounds (VOCs)*
- *Groundwater – VOCs including benzene, toluene, ethylbenzene, and total xylenes (BTEX); polyaromatic hydrocarbons (PAHs); 1,2-Dichloroethane (EDC), and 1,2-Dibromoethane (EDB)*

Voluntary remediation activities undertaken pursuant to this Agreement shall achieve the following standards or risk-based levels:

- *Standards for Ground Water as set forth in Section 20.6.2.3103 NMAC of the Ground and Surface Water Protection Regulations (20.6.2 NMAC)*
- *New Mexico Environment Department Risk Assessment Guidance for Site Investigations and Remediation, November 2022*

It is understood that the parties may wish to modify the list of contaminants and the media in which

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the contaminants are located, as covered by this Agreement, as additional information about the Site is developed. The Department may approve such changes through approval of work plans and other submittals provided by the Participant during the course of undertaking voluntary remediation activities.

IX. Access

To the extent that the Site or other areas where work is to be performed hereunder are presently owned or controlled by parties other than those bound by this Agreement, the Participant shall obtain or shall use its best efforts to obtain access agreements from the present owners. Best efforts shall include, at a minimum, certified letters from Participant to the present owners of such properties requesting access agreements to permit the Participant, Department, and their authorized representatives' access to such property. Such agreements shall provide access for the Department and authorized representatives of the Department, as specified below. In the event that such access agreements are not obtained, the Participant shall so notify the Department, which may then, at its discretion, assist the Participant in gaining access.

The Participant shall provide authorized representatives of the Department access to the Site and other areas where work is to be performed at all reasonable times. Such access shall be related solely to the work being performed on the Site pursuant to this Agreement and may include, but is not limited to: inspecting and copying of Site and facility records; reviewing the progress of the Participant in carrying out the terms of this Agreement; conducting such tests, inspections, and sampling as the Department may deem necessary; using a camera, sound recording, or other documentary type equipment for field activities; and verifying the data submitted to the Department by the Participant hereunder**.** Prior to conducting remediation activities, the Participant shall provide a minimum of 72 hours' notice to the Department to allow observation of Site activities and to allow the Department's authorized representatives to collect split samples, at the Department's discretion**.** The Participant shall permit the Department's authorized representatives to inspect and copy all records, files, photographs, documents, and other writings, including all sampling and monitoring data, which pertain to this Agreement and over which the Participant exercises authority.

X. Deliverables and Submittal Schedule

A. Final Voluntary Remediation Work Plan

In accordance with 20.6.3.400 NMAC, the Participant shall submit to the Department a proposed final voluntary remediation work plan, detailing investigation and remediation activities to be undertaken to achieve the performance standards described in Section VIII of this Agreement. At a minimum, the final work plan must include the elements listed in 20.6.3.400.B NMAC.

Submittal Schedule:
The proposed final work plan shall be submitted by the Participant no later than 45 days after this Agreement has been signed.

If the work plan is to be prepared in phases, the work plan for the first phase shall be

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submitted no later than 45 days after this Agreement has been signed. Following completion, to the Department's satisfaction, of the work which is the subject of the final work plan for the first phase, the Department may require submission of one or more proposed final work plans for subsequent phases.

Department Review:
The secretary or his designee shall review and approve, approve with conditions, or disapprove a proposed final work plan within 45 days of receipt. Written notice shall be made of any conditions or deficiencies. If the secretary or his designee disapproves a final work plan, the Participant may be granted an opportunity to submit a revised version, as determined by the secretary or his designee.

Modification of Voluntary Remediation Work Plan:
The approved final voluntary remediation work plan may be modified at the request of the Participant and/or the Department, with both parties' approval, in accordance with 20.6.3.400.D NMAC.

B. Periodic Status Reports

The Participant shall submit periodic status reports, which detail activities completed for the reporting period and those planned for the upcoming reporting period, to the Department for the duration of this Agreement. The status report shall identify any proposed variances to the approved work plan and describe interim progress on implementation of the work plan, including analytical results of any sampling, water level measurements, Site maps or photos, as appropriate.

Submittal Schedule:
The first status report shall be submitted by the Participant no later than 90 days after this Agreement has been signed. Subsequent status reports shall be submitted on a quarterly basis until the completion report is submitted to the Department.

C. Voluntary Remediation Completion Report

In accordance with 20.6.3.500.B NMAC, following the completion of Site voluntary remediation activities, the Participant shall demonstrate to the Department that Site conditions meet the applicable standards specified in Section VIII of this Agreement by submitting to the Department a voluntary remediation completion report. The content of the completion report is detailed in 20.6.3.500.B NMAC. The report shall be submitted to the Department with the legal description of the affected property, and with an Affidavit of Completion of Voluntary Remediation signed by the Participant that indicates that remediation is complete, in accordance with this Agreement and applicable regulations and guidance.

Submittal Schedule:
The voluntary remediation completion report shall be submitted to the Department within 90 days following completion of voluntary remediation activities.

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Department Review:
The Department shall review and determine the sufficiency of a completion report within 45 days of receipt. If the secretary or his designee does not approve the completion report, the secretary or his designee shall either issue a finding that the Participant is not in compliance with the Agreement and terminate the Agreement, or advise the Participant in writing of data gaps in the report. The Participant shall correct any identified data gaps and resubmit the completion report within 30 days of receipt of notice of data gaps.

XI. Certificate of Completion

If the secretary or his designee approves the voluntary remediation completion report, the secretary or his designee will issue either a Certificate of Completion or a Conditional Certificate of Completion, as appropriate, pursuant to Section 74-4G-7 NMSA 1978 and 20.6.3.500.B NMAC. If a Conditional Certificate of Completion is issued, the Department shall conduct audits to ensure that all engineering controls, remediation systems, post-closure care, and affirmations of future non-residential land use are being maintained appropriately. These audits shall be performed at least every other year for the first 10 years following the issuance of the Conditional Certificate of Completion, and every five years thereafter. If, during the course of such an audit, the Department finds that any of the monitoring requirements, engineering controls, remediation systems, post-closure care, or affirmations of future non-residential land use are not being properly maintained such that the performance standards described in Section VIII of this Agreement are no longer being met, the Department may revoke the Conditional Certificate of Completion and initiate an enforcement action.

No Certificate of Completion or Conditional Certificate of Completion shall be issued to a Participant who has not paid invoiced oversight costs in full to the Department.

XII. Covenant Not to Sue

Pursuant to Section 74-4G-8 NMSA 1978 and 20.6.3.600 NMAC, after the secretary or his designee issues the Certificate of Completion or Conditional Certificate of Completion, the secretary or his designee shall provide a covenant not to sue to a purchaser or prospective purchaser of the Site that did not contribute to the Site contamination, for any direct liability, including future liability, for claims based upon the contamination covered by the Agreement and over which the Department has authority. Except as may be provided under federal law or as may be agreed to by a federal government entity, the covenant not to sue shall not release or otherwise apply to claims by the federal government for claims based on federal law. Except as may be agreed to by another department or agency of the state, the covenant not to sue shall not release or otherwise apply to claims of any other office, department, or agency of the state. Except as may be agreed to by a third party, the covenant not to sue shall not release or otherwise affect a person's liability to third parties.

XIII. Dispute Resolution

This section shall apply to any dispute arising under any section of this Agreement, unless specifically excepted. Dispute resolution shall be conducted in accordance with 20.6.3.300.I NMAC).

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XIV. Reservation of Rights

The Department and Participant reserve all rights and defenses they may have pursuant to any available legal authority unless expressly waived herein. The Department expressly reserves the right to take any action, including any enforcement action, to address any release not covered by this Agreement, including any release that occurs after issuance of the Certificate of Completion or any release of a contaminant not covered by the voluntary remediation agreement. The secretary's covenant not to sue shall not apply to any such release.

Nothing herein is intended to release, discharge, or in any way affect any claims, causes of action or demands in law or equity which the parties may have against any person, firm, partnership or corporation not a party to this Agreement for any liability it may have arising out of, or relating in any way to the generation, storage, treatment, handling, transportation, release or disposal of any materials, hazardous substances, hazardous waste, contaminants or pollutants at, to, or from the Site. The parties to this Agreement expressly reserve all rights, claims, demands, and causes of action they have against any and all other persons and entities who are not parties to this Agreement, and as to each other for matters not covered hereby.

The Participant reserves the right to seek contribution, indemnity, or any other available remedy against any person other than the Department found to be responsible or liable for contribution, indemnity or otherwise for any amounts which have been or will be expended by the Participant in connection with the Site.

XV. Enforcement Shield

Pursuant to the provisions of 20.6.3.300.A NMAC, the secretary will not initiate any enforcement action, including an administrative or judicial action, against a Participant for the contamination or release thereof, or for the activity that results in the contamination or release thereof, if the contamination is the subject of an Agreement pursuant to 20.6.3 NMAC. However, this Section shall not be a bar to any enforcement action if the Agreement is not finalized, if the Agreement is terminated or rescinded, or if the Participant does not successfully initiate or implement the Agreement within a reasonable time under the schedules set forth in this Agreement and approved work plans.

XVI. Oversight Costs

The Participant agrees to reimburse the Department for all of its costs associated with oversight and implementation of this Agreement in accordance with 20.6.3.300.J NMAC. These costs shall include those described in 20.6.3.300.J NMAC, as well as long-term oversight performed by the Department, as described in 20.6.3.500.B(5) NMAC, if a Conditional Certificate of Completion is issued.

Oversight will be invoiced based on actual hours of staff oversight, at a variable rate beginning at $125.00 per hour. The hourly rate is calculated and updated on November 1 of each year, following a 30 calendar day public comment period. The hourly rate was revised on November 1, 2023. Travel and per diem costs will be invoiced at state-designated rates. Sampling and analysis costs will be invoiced at actual cost plus indirect overhead rate.

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The Department will track all costs to the Department for review and oversight activities related to the Site and provide quarterly (or more often at the discretion of the Department) invoices per this Agreement for said costs. The Participant shall pay these invoiced costs to the Department within 30 calendar days after the date that the Participant receives notice that these costs are due and owed. If payment is not made within 30 days, the Department may terminate this Agreement and bring an action to collect the amount owed and the costs of bringing the collection action. If the Department prevails in such collection action, the Participant shall pay the Department's reasonable attorneys' fees and costs incurred in the collection action.

In the event that this Agreement is terminated for any reason, the Participant agrees to reimburse the Department for all costs incurred or obligated by the Department before the date of notice of termination of the Agreement.

XVII. Notice of Bankruptcy

As soon as Participant has knowledge of its intention to file bankruptcy, or no later than seven days prior to the actual filing of a voluntary bankruptcy petition, Participant shall notify the Department of its intention to file a bankruptcy petition. In the case of an involuntary bankruptcy petition, Participant shall give notice to the Department as soon as it acquires knowledge of such petition.

XVIII. Indemnification

The Participant shall defend, indemnify, and hold harmless the Department and the State of New Mexico from all actions, proceedings, claims, demands, costs, damages, attorneys' fees, and all other liabilities and expenses of any kind from any source which may arise out of the performance of this Agreement, caused by the negligent act or failure to act of the Participant, its officers, employees, servants, subcontractors or agents, or if caused by the actions of any client of the Participant resulting in injury or damage to persons or property during the time when the Participant or any officer, agent, employee, servant or subcontractor thereof has or is performing services pursuant to this Agreement.

XIX. Effective Date and Subsequent Modification

The Agreement shall become final and effective upon being signed by both the secretary or his designee and the Participant. The effective date of the Agreement shall be the later date of signature by either the secretary or his designee or the Participant. This Agreement may be amended only by mutual agreement of the Department and the Participant. Amendments shall be in writing and shall be effective upon being signed by both the secretary or his designee and the Participant.

XX. Termination

As provided for in 20.6.3.300.H NMAC, if an Agreement is not reached between an applicant and the secretary or his designee on or before the 30th calendar day after the secretary or his designee determines an applicant to be eligible pursuant 20.6.3.200 and 20.6.3.300 NMAC, the applicant or the secretary or his designee may withdraw from the negotiations. The Participant may terminate the voluntary remediation Agreement upon 60 calendar days' written notice via certified mail, return receipt requested to the Department. The secretary or his designee may terminate this

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Agreement upon finding that the Participant is not in compliance with this Agreement. Notice of termination will be made to the Participant via certified mail, return receipt requested, and facts supporting the rationale for termination shall be set forth in the notification. The Department's costs incurred or obligated before the date the notice of termination is received are recoverable by the Department under the Agreement if the Agreement is terminated.

XXI. Complete Agreement

This Agreement contains the entire Agreement of the parties.

XXII. Applicable Law

This Agreement shall be governed by and construed in accordance with the laws of the State of New Mexico.

The provisions of this Agreement shall be satisfied when the Department gives the Participant written notice in the form of a Certificate of Completion that the Participant has demonstrated to the secretary's satisfaction that the terms of this Agreement have been completed, including the selection and implementation of a remedial action, when appropriate.

Nothing in this Agreement shall restrict the State of New Mexico from seeking other appropriate relief to protect human health or the environment from contamination at or from this Site if not remediated in accordance with this Agreement.

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Signatures

Participant(s):

By: _____ Name: _____
(Signature of authorized representative) (Print or type)

Date: _____

New Mexico Environment Department:

By: _____ Name: _____
(Secretary or designee) (Print or type)

Date: _____

Enclosures: Exhibit 1: Legal Description of Property
Exhibit 2: Preliminary Work Plan

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NEW MEXICO ENVIRONMENT DEPARTMENT
VOLUNTARY REMEDIATION AGREEMENT

EXHIBIT 1
Legal Description of Property

Deming Westside Project
VRP Site No. 53241004

The site is a 3.91 acres parcel located at 1200 W. Pine Street, 1218 W. Pine Street, 1300 W. Pine Street, 1312 W. Pine Street, 140 S. 12th Street, 165 S. 12th Street, more particularly described as NW 1/4, NE 1/4, T23S, R9W. The full legal description is included on the following pages.

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WESTSIDE PROPERTY PROJECT

PINE ST.

SPRUCE ST.

12TH ST.

EXIST. BARRIER CURB & GUTTER
EXIST. 5-FT. WIDE SIDEWALK
EXIST. CONCRETE REMNANTS
EXIST. CANOPY
EXIST. ASPHALT PAVEMENT
ABANDONED SERVICE STATION
EXIST. CONCRETE VALLEY GUTTER
EXIST. DITCH F.L.
EXIST. DRAIN ELEV.
MAIN BLDG. F.F. 4358.43
GARAGE
BG
BD

LOT 1 LOT 2 LOT 3 LOT 4 LOT 5 LOT 6 LOT 7 LOT 8 LOT 9 LOT 10 LOT 11 LOT 12 LOT 13 LOT 14 LOT 15 LOT 16 LOT 17 LOT 18 LOT 19 LOT 20 LOT 21 LOT 22 LOT 23 LOT 24

LOT 1A LOT 2A LOT 3A LOT 4A LOT 5A LOT 6A LOT 7A LOT 8A LOT 9A LOT 10A LOT 11A

LEGEND

- W — W — -- EXIST. BURIED WATER (CITY)
- S — S — -- EXIST. GRAVITY SEWER (CITY)
- GAS — GAS — -- EXIST. BURIED GAS (CITY)
- P — P — -- EXIST. OVERHEAD POWER (PNM)
- (S) -- EXIST. SAN. SEWER MANHOLE
- (W) -- EXIST. WATER VALVE
- ⊠ -- EXIST. WATER METER
- (G) -- EXIST. GAS VALVE
- [G] -- EXIST. GAS METER
- (M) -- NEW MONITOR WELL, INSTALLED 2020
- (M) -- EXIST. MONITOR WELL, PRE-2020
- (M) -- FORMER MONITOR WELL (DAMAGED/ DESTROYED IN 2020)
- -- EXIST. LIGHT POLE
- -- FOUND PROPERTY CORNER

0 25 50 100

Scale 1" = 50'

DATE: Oct 2022
DWG BY: JM

REVISIONS:
Nov 2023 -- JM

FILE: \\M:\Eng\Proj\CNG_Pine\PineSt_CNG.dwg

PROJECT
WESTSIDE PROPERTY PROJECT

CITY OF DEMING
309 S. Gold, P.O. Box 706
Deming, NM 88031
Office (575) 546-8848
Fax (575) 546-6442

TITLE
BLOCK "BD" & "BG"
AMENDED ORR ADDITION

SHEET
-

Respective Addresses:

1. 1200 W. Pine Street, Deming, NM 88030
2. 1218 W. Pine Street, Deming, NM 88030
3. 1300 W. Pine Street, Deming, NM 88030
4. 1312 W. Pine Street, Deming, NM 88030
5. 140 S. 12th St., Deming, NM 88030
6. 165 S. 12th St., Deming, NM 88030

Legal Description:

DESCRIPTION – BLOCK "BD"

ALL OF LOTS NUMBERED ONE (1), ONE-A (1A), TWO (2), TWO-A (2A), THREE (3), THREE-A (3A), FOUR (4), FOUR-A (4A), FIVE (5A), SIX (6), SIX-A (6A), SEVEN (7), SEVEN-A (7A), EIGHT (8), EIGHT-A (8A), NINE (9), NINE-A (9A), TEN (10), TEN-A (10A), ELEVEN (11), ELEVEN-A (11A), SIXTEEN (16), SEVENTEEN (17), EIGHTEEN (18), NINETEEN (19), TWENTY (20), TWENTY-ONE (21), TWENTY-TWO (22), TWENTY-THREE (23), AND TWENTY-FOUR (24), AND THOSE PORTIONS OF LOTS NUMBERED TWELVE (12), TWELVE-A (12A), FOURTEEN (14), AND FIFTEEN (15) LYING NORTH OF THE NORTH RIGHT-OF-WAY LINE OF SPRUCE STREET, ALL IN BLOCK LETTERED "BD" OF THE AMENDED ORR ADDITION TO THE CITY OF DEMING, AS RECORDED IN CABINET 8, SLIDE 219-220 IN THE OFFICE OF THE COUNTY CLERK IN DEMING, LUNA COUNTY, NEW MEXICO.

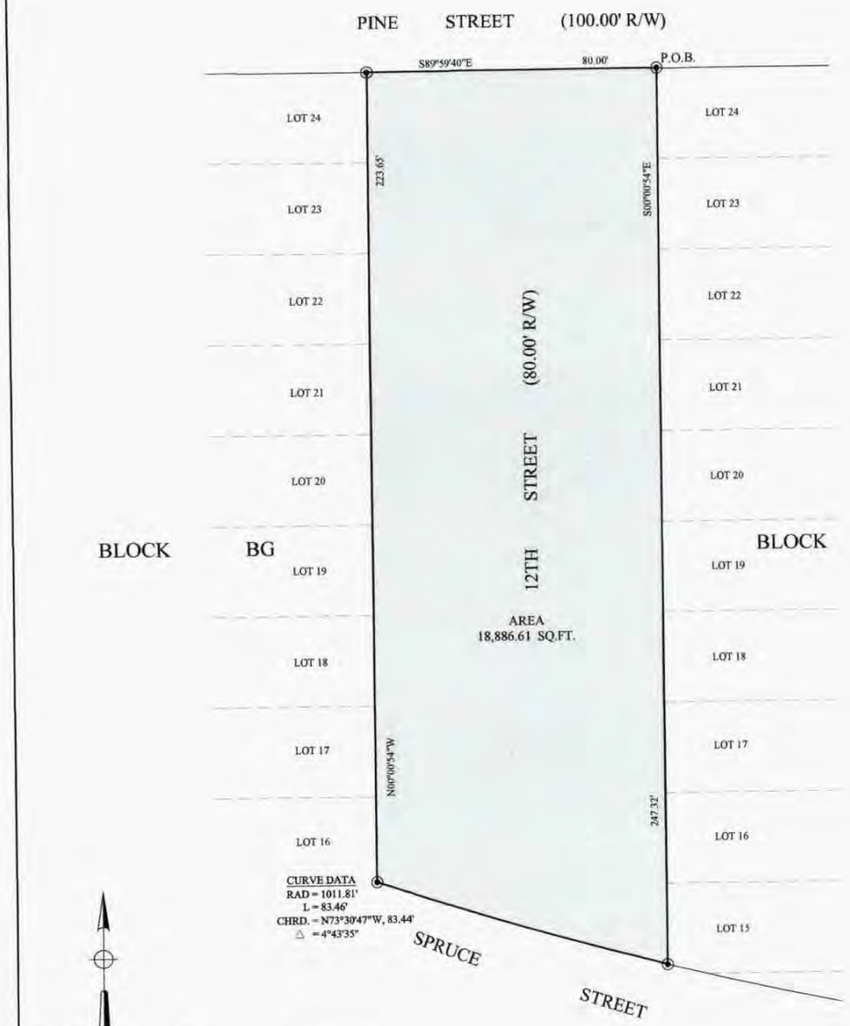
DESCRIPTION – BLOCK "BG"

ALL OF LOTS NUMBERED ONE (1), TWO (2), THREE (3), FOUR (4), FIVE (5), SIX (6), TWENTY-TWO (22), TWENTY-THREE (23), AND TWENTY-FOUR (24), AND THOSE PORTIONS OF LOTS NUMBERED SEVEN (7), EIGHT (8), NINE (9), EIGHTEEN (18), NINETEEN (19), TWENTY (20), AND TWENTY-ONE (21) LYING NORTH OF THE NORTH RIGHT-OF-WAY LINE OF SPRUCE STREET, ALL IN BLOCK LETTERED "BG" OF THE AMENDED ORR ADDITION TO THE CITY OF DEMING, AS RECORDED IN CABINET 8, SLIDE 219-220 IN THE OFFICE OF THE COUNTY CLERK IN DEMING, LUNA COUNTY, NEW MEXICO.

Survey

PLAT OF SURVEY

VACATION OF 12TH STREET BETWEEN BLOCKS "BD" AND "BG" OF THE AMENDED ORR ADDITION TO THE CITY OF DEMING, LUNA COUNTY, NEW MEXICO.



BASELINE SURVEYING LLC
411 CODY ROAD
DEMING, NM 88030
OFF. 575-546-8021
baselinesurveying@yahoo.com

DESCRIPTION

A TRACT OF LAND BEING SITUATED BETWEEN THE SOUTH RIGHT-OF-WAY OF PINE STREET, THE NORTH RIGHT-OF-WAY OF SPRUCE STREET AND BETWEEN BLOCKS LETTERED "BD" AND "BG" OF THE AMENDED ORR ADDITION TO THE CITY OF DEMING, AS RECORDED IN CABINET 8, SLIDE 219-220 IN THE OFFICE OF THE COUNTY CLERK IN DEMING, LUNA COUNTY, NEW MEXICO AND BEING DESCRIBED AS FOLLOWS:
BEGINNING AT THE NE CORNER OF THE TRACT HEREIN DESCRIBED, WHICH POINT IS THE NW CORNER OF SAID BLOCK "BD"; THENCE S0°00'54"E, ALONG THE WEST LINE OF SAID BLOCK "BD", 247.32 FEET TO THE SE CORNER OF THIS TRACT, THENCE ALONG A CURVE TO THE RIGHT WITH A RADIUS OF 1011.81 FEET, A LENGTH OF 83.46 FEET AND A CHORD OF N73°30'47"W, 83.44 FEET TO THE SW CORNER OF THIS TRACT; THENCE N0°00'54"W, ALONG THE EAST LINE OF SAID BLOCK "BG", 223.65 FEET TO THE NW CORNER OF THIS TRACT; THENCE S89°59'40"E, ALONG THE SOUTH RIGHT-OF-WAY OF PINE STREET, 80.00 FEET TO THE POINT OF BEGINNING. THIS TRACT CONTAINS 18,886.61 SQ.FT.

CERTIFICATION

Deming, Luna County, New Mexico, May 22nd, 2024.
I Miguel Echavarria, hereby certify that I am the Registered Land Surveyor who prepared this plat from notes of an actual survey conducted by me or under my direct supervision and that the same are true and correct to the best of my knowledge and belief. This plat meets the Minimum Requirements of the Standards for Land Surveys in New Mexico.

Professional Land Surveyor LS 25340

Form SCNLGL - "TOTAL" appraisal software by a la mode, inc. - 1-800-ALAMODE

NEW MEXICO ENVIRONMENT DEPARTMENT
VOLUNTARY REMEDIATION AGREEMENT

EXHIBIT 2
Preliminary Voluntary Remediation Work Plan

Deming Westside Project
VRP Site No. 53241004

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EA Engineering, Science, and Technology, Inc., PBC
320 Gold Avenue SW, Suite 1300
Albuquerque, New Mexico 87102
Phone: (505) 224-9013

PRELIMINARY VOLUNTARY REMEDIATION PROGRAM WORK PLAN
DEMING WESTSIDE PROPERTY PROJECT
DEMING, NEW MEXICO

Prepared for:

New Mexico Environment Department
Ground Water Quality Bureau
1190 St. Francis Drive / PO Box 5469
Santa Fe, NM 87502

and

City of Deming
1275 E. Pine Street
Deming, NM 88030

BW Gas and Convenience Holdings, LLC
138 Conant Street
Beverly, MA 01915

Prepared by:

EA Engineering, Science,
and Technology, Inc., PBC
320 Gold Avenue SW, Suite 1300
Albuquerque, New Mexico 87102

July 2024

EA Project No. 62310177.14

PRELIMINARY VOLUNTARY REMEDIATION PROGRAM WORK PLAN
DEMING WESTSIDE PROPERTY PROJECT
DEMING, NEW MEXICO

Prepared for:

New Mexico Environment Department
Ground Water Quality Bureau
1190 St. Francis Drive / PO Box 5469
Santa Fe, NM 87502

and

City of Deming
1275 E. Pine Street
Deming, NM 88030

BW Gas and Convenience Holdings, LLC
138 Conant Street
Beverly, MA 01915

Prepared by:

EA Engineering, Science,
and Technology, Inc., PBC
320 Gold Avenue SW, Suite 1300
Albuquerque, New Mexico

July 5, 2024

Jay Snyder, P.E., P.G.
Senior Hydrogeologist

Date

July 2024

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1.0 SITE BACKGROUND

On behalf of City of Deming (Deming) and BW Gas and Convenience Holdings, LLC, doing business as Allsup's, hereafter Allsup's, EA Engineering Science and Technology, Inc., PBC (EA) is submitting this Preliminary Voluntary Remediation Program (VRP) work plan for the Deming Westside Property Project consisting of Subdivision Orr Blocks BG And BD and the Vacated 12th Street between Spruce and Pine Streets, Deming, NM (Figures 1 and 2).

Figure 1. Site Location Map in Deming. Source: Partners 2024.

Site Description

The subject property (Site) consists of two blocks and a vacated section of 12th Street encompassing 3.91 acres and addresses 1200 W. Pine Street, 1218 W. Pine Street, 1300 W. Pine Street, 1312 W. Pine Street, 140 S. 12th Street, 165 S. 12th Street (Figure 2).

The subject properties are unoccupied. There are no current onsite operations. In addition to the current structures, the subject property is also improved with asphalt-paved parking areas, a shed, and one fuel canopy, and two former fuel islands. During the Phase I ESA site walk, Partner Engineering and Science,

Inc. (Partner) (Partner 2024) observed 21 groundwater monitoring wells, an air injection system and/or soil vapor extraction (SVE) system located throughout the subject property.

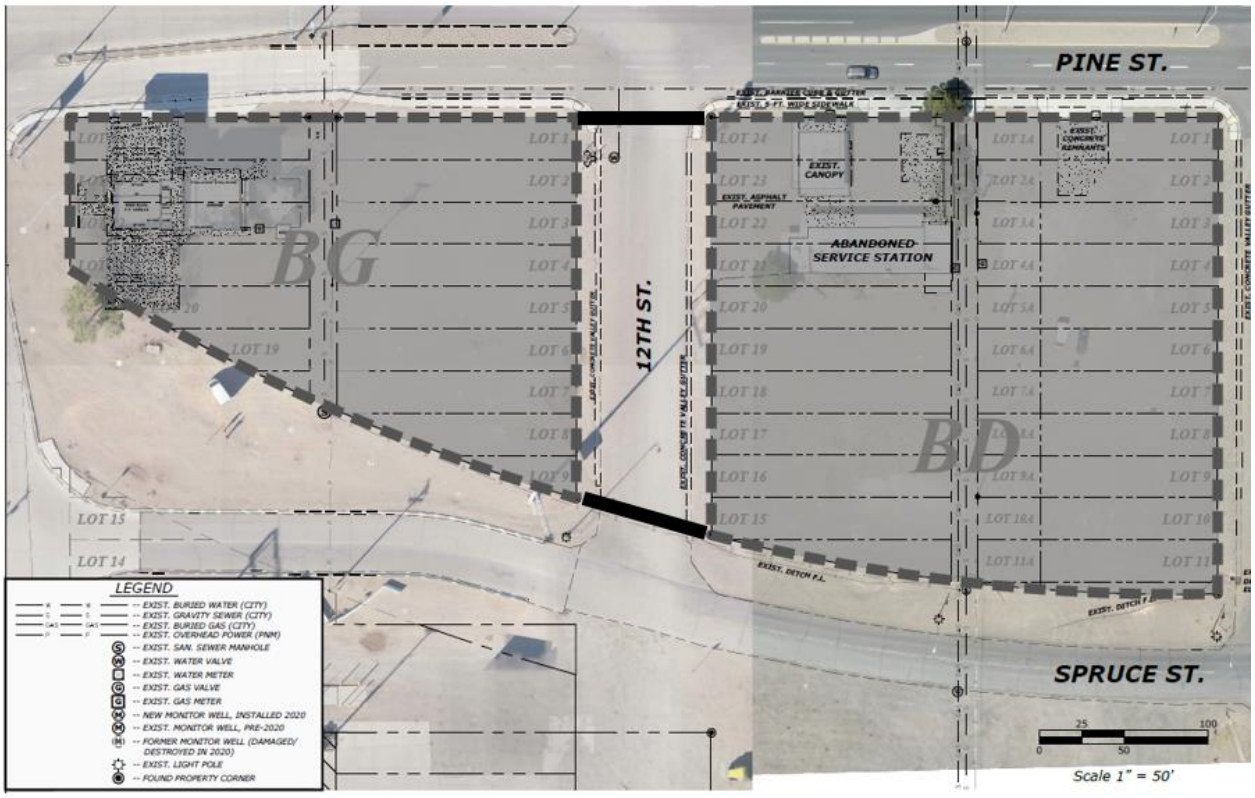

Figure 2. Subject Parcels included in Voluntary Remediation Program Application.

Site History

According to available historical sources, the subject property was formerly undeveloped land bisected by several unimproved roads as early as 1951; developed with four commercial structures and three fuel canopies between 1954 and circa 2024, with the current two vacant structures and one former fuel canopy having been developed in 1954; the remaining structures were cleared by 2024.

Tenants on the subject property have included Triangle Drive Inn (1965-1969); Triangle Texaco Station (1965-1969); King's Chevron Serv Sta (1965-1969); Phillips 66 Trk Trmnl (1965); Westside Phillips 66 (1969); Triangle Truck Stop (1996); Deming Food Mart (1996-2003); Chevron West Food Mart (1996-2008); Luna County Auto & Towing Svc (2000); Cano's Restaurant (2003); Chevron West (2007-2016); Chevron West Self-Serve (2008); Luna County Auto Repair & Towing (2008); Canos Restaurant (2008-2011); Sunmart (2011); and Vacant (2018-Present).

This Preliminary VRP work plan was prepared to support an Innocent Owner application that separates Deming and Allsup's from existing contamination and New Mexico Environment Department (NMED) Petroleum Storage Tank Bureau (PSTB) directed corrective actions at the following facilities:

Facility	PSTB Facility ID	PSTB Release ID	Corrective Action Phase
Triangle Truckstop	31200	3401	Active remediation (SVE) and LTM
Save Gas #3	27658	4089	Active remediation (SVE) and LTM
Sumart 677	27343	4784	LTM
Cano's Restaurant	54744	4654	LTM

The following documents are attached and integral to this work plan:

- 15th Quarter System Operation & Maintenance Report, Triangle Truck Stop & Save Gas #3 Sites (AMEC 2018)
- Continued Investigation Report of Subsurface Petroleum Hydrocarbon Contamination at Cano's Restaurant, Second Monitoring and NAPL Recovery Report (ASW 2023)
- End-of-Operations Groundwater Monitoring Report, Save Gas #3 & Triangle Truck Stop Sites (Wood 2019)
- Groundwater Monitoring Report, SunMart # 677 (WSP 2023)

Nature and Extent of Contamination

Full discussions of the nature and extent of contamination in the subject properties can be found in the PSTB documents provided in the Phase I ESA (Partners 2024) and the select most recent monitoring reports attached to this Preliminary VRP Work Plan. The following figures show the distribution of benzene, ethylene dichloride, and total naphthalenes in groundwater in 2019 for Triangle Truckstop/Save Gas #3, and benzene in groundwater at Cano's Restaurant in 2022. The disposition of wells is provided for those plugged and abandoned (P&A) and those presently dry due to declining water levels in Deming.

As seen in Figures 3, 4 and 5, groundwater contamination at the Triangle Truckstop/Save Gas #3 sites is divided into a west side plume and east side plume, with a north-south zone of no or very little impact that is aligned with utility corridor which splits Block BG. Non-aqueous phase liquid (NAPL) is present north of Triangle Truckstop in MW-15, and Wood (2019) attributes this NAPL occurrence to a release site to be determined north of Pine Street.

In the zone along the utility corridor, and on the east side of Block BG, contamination is absent or very low level, and many wells can be P&A'd to facilitate redevelopment. This portion of Block BG will receive the diesel fueling island and drive through lanes. The west side of Block BG will be redeveloped as parking and drive lanes with no other structures, which will readily facilitate resetting well heads and reconstructing the SVE system prior to final concrete pour for the new facility driveways.

Figure 6 shows the distribution of benzene in 2022 and disposition of wells at Cano's Restaurant and Sunmart #677. Most of these wells can be P&A'd to facilitate development. MW-3 formerly contained NAPL but has been destroyed. Because of the presence of NAPL, MW-3 will be replaced with MW-10 after the store has been completed. This will allow monitoring of NAPL at Cano's Restaurant. All other site wells were below the WQCC standard of 5 µg/L benzene or were dry. Select wells along 11th Street will provide upgradient "clean" monitoring wells for the combined LPST sites in the Deming West Side Project.

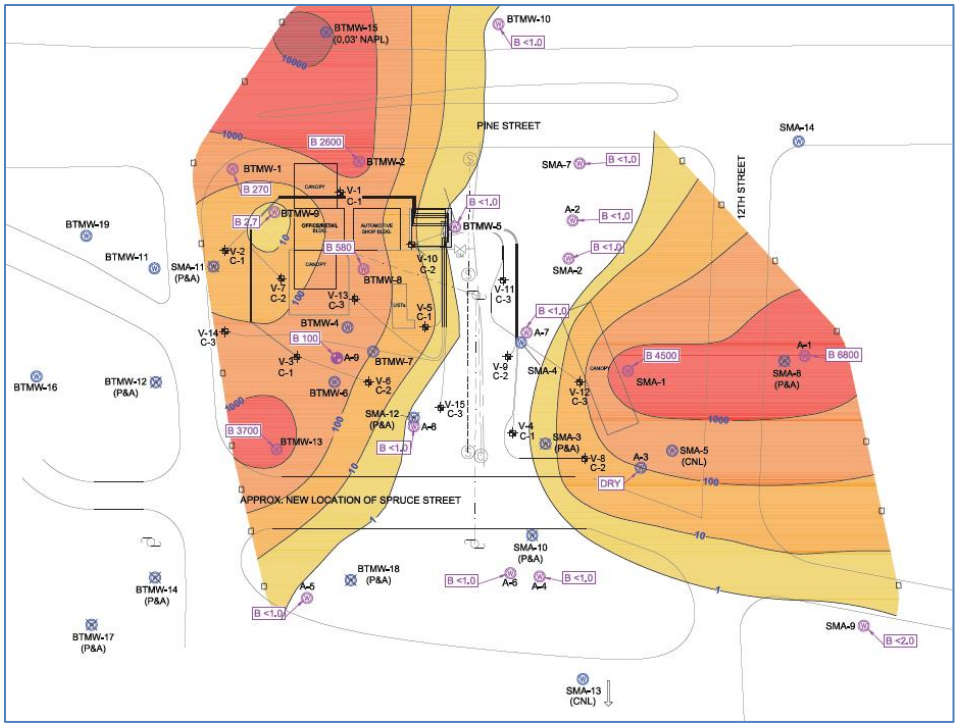

Figure 3. Distribution of benzene in groundwater in 2019 at Triangle Truckstop/Save Gas #3. All concentrations in micrograms per liter. CNL – could not locate. P&A – plugged and abandoned well. NAPL – non-aqueous phase liquid. C-1, C-2 and C-3 are the three soil vapor extraction system circuits. Source: Wood 2019.

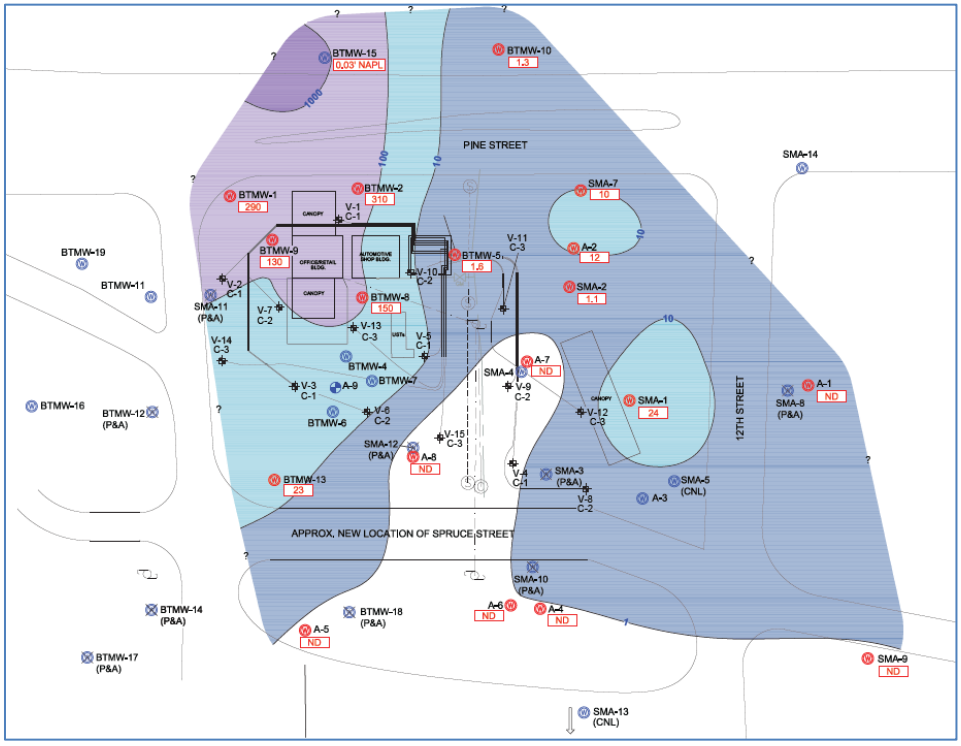

Figure 4. Distribution of ethylene dichloride in groundwater in 2019 at Triangle Truckstop/ Save Gas #3. All concentrations in micrograms per liter. Source: Wood 2019.

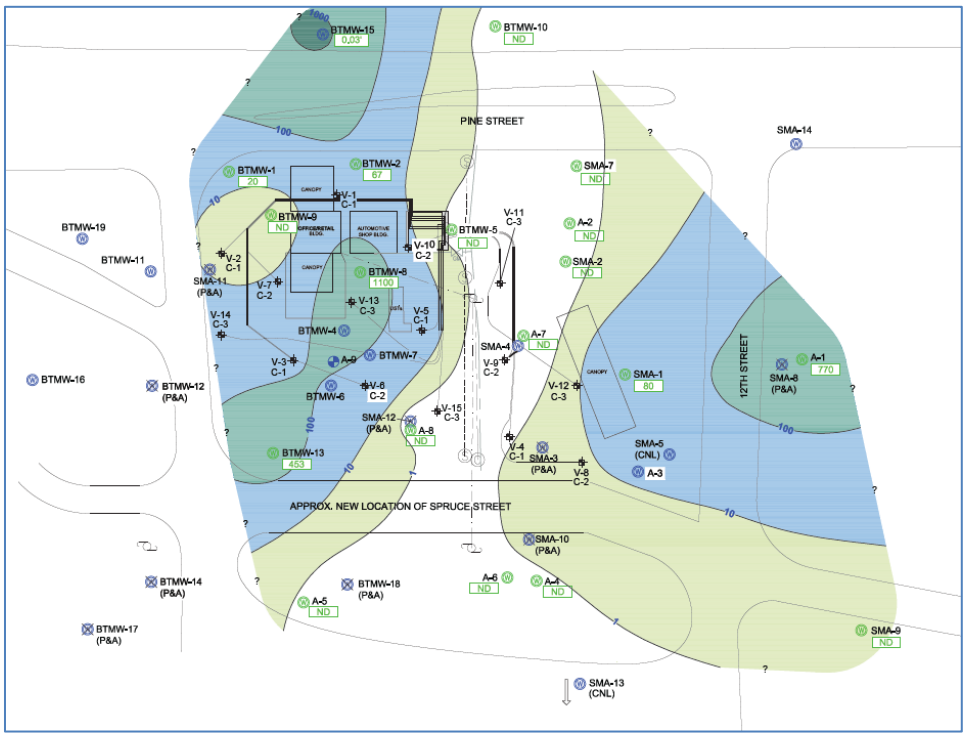

Figure 5. Distribution of total naphthalenes in groundwater in 2019 at Triangle Truckstop/ Save Gas #3. All concentrations in micrograms per liter. Source: Wood 2019.

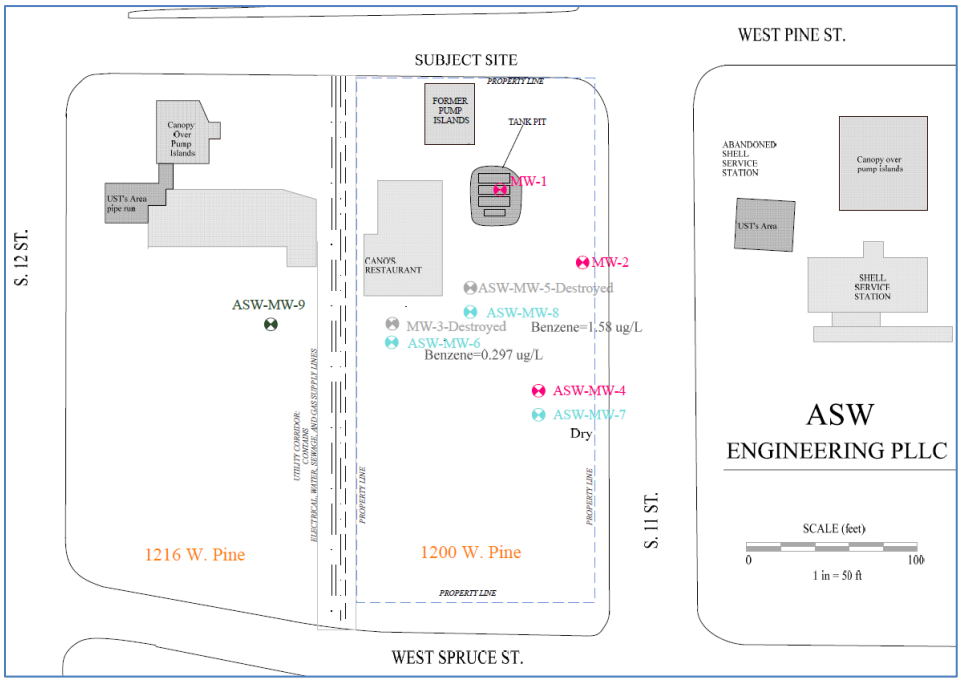

Figure 6. Distribution of benzene in groundwater 2022 and monitoring well disposition, Cano's Restaurant. All concentrations in micrograms per liter. Source: ASW 2022

2.0 PROPOSED REMEDIAL ACTIVITIES

The proposed remedial activities are detailed in Table 1. The activities are designed to facilitate redevelopment while at the same time continuing the required corrective action under PSTB direction. Coordination with PSTB contractors on the LPST sites will ensure reimbursement from the Corrective Action Fund for approved activities. The goals of these activities are to:

- Conduct baseline groundwater and soil monitoring to establish plugging plan and replacement well needs.
- Retain key monitoring wells and replace MW-3 at Cano's Restaurant to optimize the groundwater monitoring network to provide upgradient, downgradient, and cross-gradient delineation with key internal monitoring wells to track contaminant mass reduction during continued corrective action;
- Rebuild the SVE system to allow continued cleanup of the Triangle Truckstop site as shown on Figure 7. Wellheads will be reset to final grade of concrete drive and parking areas, the SVE manifold will be reconstructed in a precast vault with traffic rated lids, and conveyance lines from the manifold to the equipment compound and SVE blower will be routed through road borings under Pine Street north to property owned by City of Deming where access will be provided.
- The equipment compound will be rebuilt north of Pine Street to include electrical power supply and new SVE blower and if required emission control.

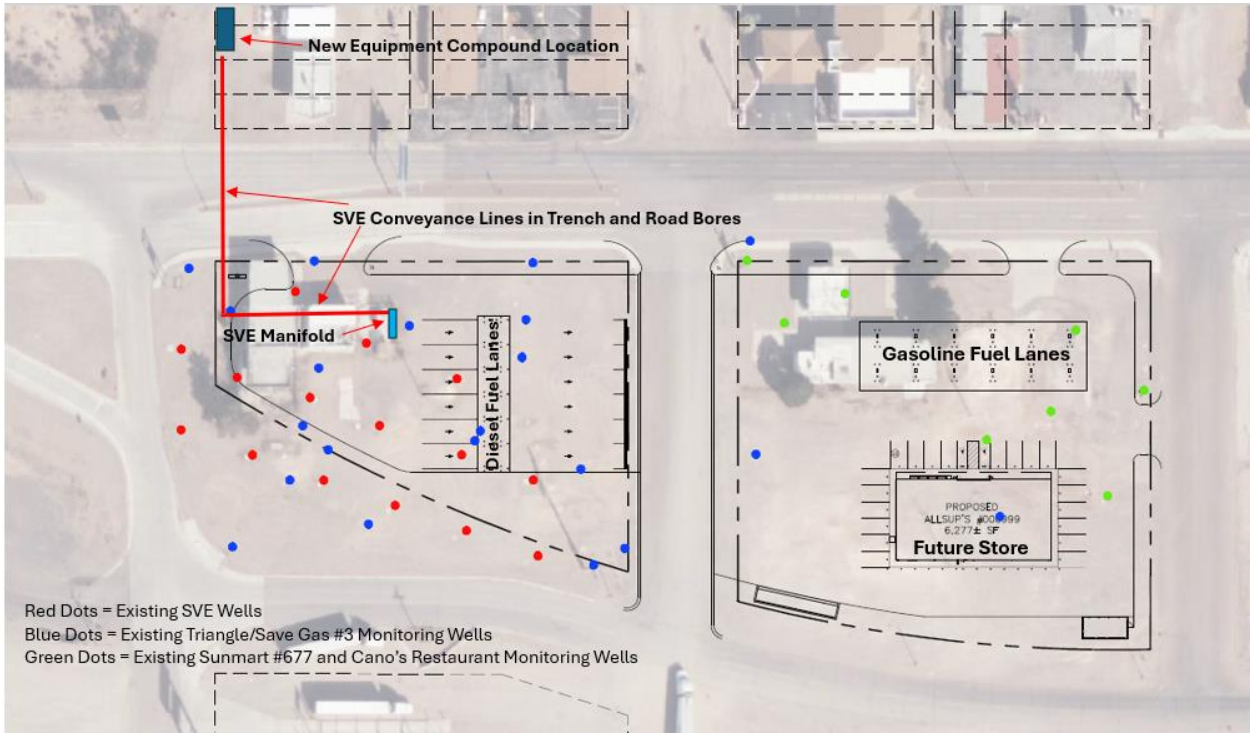

Figure 7. Proposed site development plan for convenience store, gasoline, and diesel fueling facilities. Also shown are relocated SVE compound (setbacks to be determined) and conveyance realignment.

Table 2 provides a partitioning analysis of final soil vapor benzene concentrations from SVE wells (Wood 2018) near and in interference with the diesel fuel island. This analysis suggests that soil cleanup to protection of groundwater for remaining benzene concentrations has been achieved. This analysis will be repeated pending baseline soil vapor concentrations.

Beyond the activities described in Table 1, no assessment or remediation is proposed for the Site by City of Deming or Allsup's. The contamination at the sites that comprise the Deming West Side Project has existing responsible parties that are performing cleanup at the direction of PSTB. City of Deming and Allsup's will continue to provide access to these properties to facilitate the required corrective action.

At the completion of VRP activities described in Table 1, a Final Voluntary Remediation Completion Report will be prepared that documents the investigations and administrative record for the site, including achievement of applicable VRP performance standards.

3.0 SCHEDULE

Day	Activity
0	VRP Application Deemed Complete
15	Public Notice Filed and Posted
45	30 Day Public Notice Period Complete
60	VRP Completion Report Submitted; signed Affidavit of Completion of Voluntary Remediation
105	NMED review
120	Cure NMED review comments
TBD	Certificate of Completion
TBD	Covenant Not to Sue

4.0 REFERENCES

AMEC Foster Wheeler Environment & Infrastructure, Inc. (AMEC) 2018. 15th Quarter System Operation & Maintenance Report, Triangle Truck Stop & Save Gas #3 Sites, 1300 & 1312 Pine Street, Deming, New Mexico. Prepared for NMED District 3 PSTB on behalf of EJ Short Oil Company and Barker Oil Company. October 29.

ASW Engineering, 2023. Continued Investigation Report of Subsurface Petroleum Hydrocarbon Contamination at Cano's Restaurant, Second Monitoring and NAPL Recovery Report, 1200 West Pine, Deming, New Mexico. April 3.

Partner 2024. Phase I Environmental Site Assessment Report, Deming (I-10 West), West 1-10 & South 13th Street, 32.267160, -107.774423, Deming, New Mexico 88030. Prepared for Yesway, 1402 Cotton Flat Road, Midland, Texas. April 17.

Wood Environment & Infrastructure Solutions, Inc. (Wood) 2019. End-of-Operations Groundwater Monitoring Report, Save Gas #3 & Triangle Truck Stop Sites, 1312 & 1300 W. Pine Street, Deming, New Mexico. Prepared for NMED District 3 PSTB on behalf of EJ Short Oil Company and Barker Oil Company. April 9.

Wood 2018. 15th Quarter System Operation & Maintenance Report, Triangle Truck Stop & Save Gas #3 Sites, 1300 & 1312 Pine Street, Deming, New Mexico. Prepared for: NMED District 3 PSTB on behalf of EJ Short Oil Company and Barker Oil Company. October 29.

WSP Earth and Environmental, Inc. 2023. Groundwater Monitoring Report, SunMart # 677, 1216 W. Pine Street, Deming, New Mexico. Submitted to Petroleum Wholesale, L.P. and New Mexico Environment Department Petroleum Storage Tank Bureau. May 10.

TABLES

TABLE 1
SUMMARY OF PSTB CORRECTIVE ACTION ACTIVITIES TO FACILITATE REDEVELOPMENT
DEMING WEST SIDE PROPERTY PROJECT, DEMING, NM

Activity	NLT Day	CAF Eligible	Involved Parties	Preliminary Scope
Voluntary Remediation Program application submitted	0	N/A	EA	Submit VRP Application, Phase I Environmental Site Assessment, Preliminary VRP Work Plan
Meeting with NMED PSTB to establish baseline sampling, well P&A, replacement, and rebuild SVE system	10	No	EA, WSP	Determine baseline groundwater and vapor sampling requirements in key wells. Develop preliminary list of P&A and replacement wells. Agree on realignment of SVE system and schedule for rebuild.
Submit CAF workplans for well P&A	15	Yes	WSP, ASW	Work plan preparation for preapproval
Submit CAF workplans for rebuild SVE system	20		WSP, ASW	Work plan preparation for preapproval
Approve work plans	25	N/A	PSTB	Work plan approval letters
File P&A Plans with OSE	20	Yes	ASW WSP	Driller will file prior to field execution
P&A Monitoring Wells Cano's Restaurant	45	Yes	ASW	P&A MW-1, MW-6 and MW-8; All wells below standards July 2022
				P&A MW-7, MW-9 and SMA-15; All wells dry.
P&A Monitoring Wells Sunmart 677	45	Yes	WSP	P&A MW-1, MW-2, MW-3, MW-4, MW 5; All Dry
P&A Monitoring Wells Triangle Truckstop/Save Gas	45	Yes	WSP	P&A A-2, A-7, SMA-2; All below standards except EDC A-2 at 12 µg/L
				P&A SMA-4; Dry
P&A SVE Wells Triangle Truckstop/Save Gas	45	Yes	WSP	P&A V-4, V-8, V-9, V-11 and V-12; all below protection of groundwater via partitioning analysis (See Table 2); abandon circuit 3 of SVE system
Route SVE conveyance lines north and under Pine Street from Subdivision ORR Block BG to BF	60	Yes	WSP	Install road bores and conduit, rebuild SVE manifolds in pre-cast vault on Block BG
Final Allsup's site grading and reset monitoring and remediation well elevations and vaults	TBD	Yes	Allsup's, WSP, EA	This activity will including marking and preserving well heads during final grading and compaction. Vaults will be installed during concrete pour of driveways.
Rebuild equipment compound	TBD	Yes	WSP	Construct new compound, install SVE equipment, connect conveyance lines
Replace MW-6 and MW-9	365	Yes	ASW	Drill and complete MW-10 (New)

Notes:
Day 0 - Date application complete
NLT - No later than
P&A - Plug and abandon (wells)
VRP - Voluntary Remediation Program
EA - EA Engineering, Science, and Technology. Inc. PBC
WSP - WSP Global, Inc.
ASW - ASW Engineering PLLC
NMED PSTB - New Mexico Environment Department Petroleum Storage Tank Bureau
CAF - Corrective Action Fund
SVE - Soil vapor extraction
EDC - Ethylene dichloride (1,2-Dichloroethane)
TBD - To be determined

TABLE 2
SOIL GAS - PORE WATER PARTITIONING VIA HENRY'S LAW FOR SELECT SVE WELLS
DEMING WEST SIDE PROPERTY PROJECT, DEMING, NM

SVE Well	C_{air} [1]	C_{pw} [2]	$C_{pwDAF\ 20}$ [3]
V-4	5.8	25.4	1.3
V-8	7.6	33.3	1.7
V-9	2.2	9.6	0.5
V-11	0.05	0.2	0.0
V-12	12	52.6	2.6

$H'_{benzene}$ [4]	DAF
0.228	20

Notes:

$H'_{benzene}$ = Dimensionless Henry's Constant Benzene

1 C_{air} = benzene soil vapor concentration ($\mu g/L_{air}$)

2 C_{pw} = equilibrium benzene pore water concentration ($\mu g/L_{water}$)

3 $C_{pwDAF\ 20}$ = allowable benzene pore water concentration ($\mu g/L_{water}$) at DAF 20

4 Dimensionless Henry's Constant (NMED Risk Assessment Guidance)

$C_{pw} = C_{air}/H'_{benzene}$

Allowable benzene pore water concentration = $C_{pwDAF\ 20} = C_{pw}$ x DAF

DAF = Dilution Attenuation Factor

ATTACHMENT 1
REFERENCED PSTB DOCUMENTS

15TH QUARTER SYSTEM OPERATION & MAINTENANCE REPORT
TRIANGLE TRUCK STOP & SAVE GAS #3 SITES
1300 & 1312 PINE STREET
DEMING, NEW MEXICO

prepared for:

New Mexico Environment Department-District 3
Petroleum Storage Tank Bureau
2905 Rodeo Park Drive East
Building 1
Santa Fe, New Mexico 87505

on behalf of:

EJ Short Oil Company
53365 US Highway 385
Marathon, TX 79842

Barker Oil Company
2423 Atlantic Way SE
Deming, NM 88030

prepared by:

AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE, INC.
8519 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113

October 29, 2018

October 29, 2018

Mr. Tim Noger, Geoscientist
New Mexico Environment Department – Petroleum Storage Tank Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505

Re: Deliverables 18206-3 & 18209-3 Quarter 15 System Operation & Maintenance Report –Triangle Truck Stop & Save Gas #3 Sites, Deming, New Mexico

Triangle Truck Stop: Facility #: 31200 Release ID #: 3401 WPID #: 18209
Save Gas #3: Facility #: 27658 Release ID #: 4089 WPID #: 18206

Dear Mr. Noger,

Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler) is pleased to submit this 15th Quarter System Operation and Maintenance Report for the Triangle Truck Stop and Save Gas #3 sites located in Deming, New Mexico. We plan to submit NMED Corrective Action Fund claims for the total amount approved for each deliverable, $7,184.42 (Triangle Truck Stop) and $21,533.26 (Save Gas #3) respectively.

If you have any questions concerning this report, please, do not hesitate to contact us at (505) 821-1801 or via email at jeff.cotter@amecfw.com or dan.kwiecinski@amecfw.com.

Reviewed and Approved by:

Amec Foster Wheeler Environment & Infrastructure, Inc.

Jeff Cotter
Project Manager

Dan Kwiecinski, P.E.
New Mexico Operations Manager

Copies: Katherine MacNeil- NMED
FILE

Amec Foster Wheeler Environment & Infrastructure, Inc.
8519 Jefferson Street NE
Albuquerque, NM 87113
Tel (505) 821-1801
Fax (505) 821-7371

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Appendix D Hourly Removal of Gasoline Range Organics (GRO) Compounds Graph
Appendix E Calculation for Hydrocarbon Mass Removal Rate by the Natural Gas Off-set Method

1.0 INTRODUCTION

This report includes the procedures, results and conclusions from the 15th Quarter of remediation system operation, maintenance and monitoring at the Save Gas #3 and Triangle Truck Stop Sites, located in Deming, New Mexico. The sites are shown in Figure 1.

1.1 BACKGROUND

Save Gas #3 is located at 1312 West Pine Street, and Triangle Truck Stop is located at 1300 West Pine Street in Deming, New Mexico. These sites have a broad history of investigation, monitoring and remediation dating back to January 2002. Prior investigative activities include monitoring well installations, groundwater monitoring, liquid level gauging, and a pilot soil vapor extraction (SVE) system test conducted in 2006. Detailed background information for the sites is presented in the Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler) Final Remediation Plan (FRP) for the sites submitted to the New Mexico Environment Department-Petroleum Storage Tank Bureau (NMED) in September 2009.

1.2 SUMMARY OF PREVIOUS INVESTIGATION

Some highlights of previous investigation findings are presented below. A more detailed description of previous investigation activities is provided in Amec Foster Wheeler's FRP for the sites.

- The contaminant is gasoline.
- The water table aquifer is located at approximately 90 feet below ground surface (BGS) at the sites. Depth to the water table fluctuates regularly across the site based on historical water level gauging data. However, the overall trend across the majority of wells is a dropping water table, averaging more than 1 foot per year. Eight (8) observation wells are screened in a deeper aquifer that is semi-confined and has a potentiometric surface approximately 120 feet BGS. In the deep aquifer, groundwater flows, in general, westward across the site with a steepening gradient at the site's western margin.
- Two types of non-aqueous phase liquid (NAPL) was previously detectable in monitoring wells beneath the sites.
- The NAPL boundary has horizontally spread and vertically smeared as a result of the fluctuating water table. Localized mounds and bowls have shaped the distribution of NAPL.
- The extent of the NAPL plume has been defined.
- Petroleum hydrocarbon contamination appears to be the result of multiple releases.

1.3 SUMMARY OF CURRENT WORK AND WORK-IN-PROGRESS

Amec Foster Wheeler constructed a 15-well, 3-circuit SVE system in March and April of 2009. Installation of the vacuum blower system and ancillary components was completed in June 2010. A three-phase electrical service was installed to provide power for the rotary claw blower system. The remediation system layout is shown in Figure 1.

Remediation system operations began in June, 2010. The system has been operated for 15 quarters with occasional periods of shut-down between work plan approvals. There were frequent system operation interruptions due to equipment mechanical failures or other circumstances during the first three (3) quarters of operation. Various adjustments to operations procedures have been made over the course of the 15 operating quarters.

Amec Foster Wheeler has installed nine (9) new monitoring wells at the site since June, 2010. They are: A-1 through A-9 as shown on Figure 1. The new wells were installed to replace existing wells that were no longer usable for groundwater monitoring purposes, either due to damage or the water table dropping below the screened interval of the monitoring well. Unusable wells have been plugged and abandoned. Since remediation system operations began in June 2010, a reduction of the NAPL footprint at the sites is evident.

The most recent activity at the sites includes the installation of a new monitoring well, A-9 as shown on Figure 1. Monitoring well, A-9, was installed June 12-14, 2018. A baseline groundwater monitoring event was performed June 25-26, 2018. Quarter 15 system operations, monitoring and maintenance were completed June 27, 2018 through September 29, 2018 on a one-month-on/one-month-off operating basis. During system start-up on June 27, 2018 it was discovered that one of the rotary claw blowers had seized and could not be started. After consultation with NMED, it was decided not to replace the blower, and to continue operations with a single blower.

Soil vapor samples were collected during site visits on July 11-13; July 25-27; August 31-September 2; and, September 27-29. The remediation system was shut-down from July 27 to August 31, 2018. The remediation system was shut-down at the end of Quarter 15 operations on September 29, 2018. Quarter 16 is planned as a two-month-off/one-month-on operation of the remediation system.

2.0 PROCEDURES

In work plan approval letters dated March 27, 2018 (WPID # 18206 Save Gas #3) and (WPID # 18209 Triangle Truck Stop), NMED approved two quarters of remediation system operations. The approved operating quarters are Quarters 15 and 16, during which all remediation (SVE) wells will be open to flow. Quarter 15 operations began on June 27, 2018 and ended on September 29, 2018. In accordance with the work plan, site visits consisted of visiting the sites each day over a three day period to monitor operations, record data, and collect soil vapor samples. Amec Foster Wheeler performed site visits on the dates listed below during Quarter 15.

June 27, 2018 (system start-up) July 11-13, 2018 July 25-27, 2018

August 31- September 2, 2018 September 27-29, 2018

Site visits included collecting soil vapor samples from each remediation well and each of system's three circuits, recording system operations data, and measuring extracted soil vapor using a photoionization detector (PID) and multi-gas meter. Field data sheets are presented as Appendix A.

2.1 SVE SYSTEM OPERATIONS

The remediation system was operated during the 15th Quarter of operations between June 27, 2018 and September 29, 2018. Since approximately mid-way through quarter six, the remediation system has operated with only the vacuum blowers and sparge blower. Extracted soil vapor is directly emitted to the atmosphere. The internal combustion engine-SVE unit originally installed at the site became inoperable during the sixth quarter, and has since been transferred to another site. During system start-up on June 27, 2018 it was discovered that one of the rotary claw blowers had seized could not be started. After consultation with NMED, it was decided not to replace the blower, and to continue operations with a single blower.

Remediation system operations, monitoring and equipment maintenance procedures were performed during each site visit. Monitoring data collected during the site visits are summarized on Table 1. Appendix B presents a table describing the system performance and monitoring program.

2.2 NAPL RECOVERY

During the baseline groundwater monitoring event of June 25-26, 2018, non-aqueous phase liquid (NAPL) of varying thicknesses was detected in two monitoring wells, BTMW-15 and A-1. NAPL was hand-bailed from the wells using hydrophobic bailers until it was no longer visually evident. Approximately four gallons of NAPL was recovered. Recovered NAPL is being temporarily stored on site. When a sufficient amount of NAPL is accumulated it will be disposed of in accordance with applicable regulations.

2.3 GROUNDWATER SAMPLING

Groundwater sampling was not performed during Quarter 15 operations. The next groundwater monitoring event will be conducted following Quarter 16 operations.

3.0 RESULTS AND DISCUSSION

The following sections discuss the activities and results from Quarter 15 remediation system operations.

3.1 SVE OPERATIONS

The SVE system was constructed with three circuits. Circuits 1, 2, and 3 are each composed of five vertical SVE wells. The remediation system layout and circuits are shown in Figure 1. The system is controlled by an automated relay system that switches from one circuit to the next on a 24-hour cycle. During the 15th Quarter the relay system was configured for each circuit to receive 24 hours of continuous vapor extraction and 48 hours of sparging. Only one blower was operated during Quarter 15. One blower was found to be inoperable during system start-up.

The total vacuum for SVE Blower #1 ranged between 8 inches of mercury (inches Hg) and 12 inches Hg, with an average total vacuum of 10 inches Hg. The average sparge blower pressure was 5 pounds per square inch (PSI). Vacuum blower and sparging data for the remediation system is summarized on Table 1.

During Quarter 15 samples were collected from each individual remediation well and analyzed for benzene, toluene, ethylbenzene and xylenes (cumulatively BTEX), and other petroleum hydrocarbon compounds by EPA Method 8260B. Benzene ranged from a high of 47 micrograms per liter (µg/L) in SVE-12 to a low of <0.10 µg/L in SVE-11. Toluene ranged between a high of 180 µg/L in SVE-7 to a low of <0.10 µg/L in SVE-11. Ethylbenzene ranged between a high of 61 µg/L in SVE-1 to a low of <0.10 µg/L in SVE-11. Total xylenes ranged between 320 µg/L in SVE-13 to 0.36 µg/L in SVE-11. Table 2 summarizes BTEX analysis results from each SVE well during Quarter 15 operations.

Based on laboratory analysis using EPA Method 8015D, the total GRO vapor concentration in the vacuum blower influent stream during the 15th Quarter ranged from a high of 7, 1000 µg/L on July 25, 2018, measured at Circuit 2, to a low of 2,000 µg/L, measured at Circuit 3 on July 26, 2018. Vapor sampling analytical results are summarized on Table 2 and vapor sampling analytical reports are presented in Appendix C. Table 3A summarizes Quarter 15 fixed gases analytical results and Table 3B summarizes PID and biogenic gas monitoring results collected during Quarter 15 O&M site visits.

3.2 MASS REMOVAL DATA

The calculations used to derive mass removal data are shown below:

$$Q = \frac{\mathrm{V}}{\mathrm{t}}$$

$$Qstp = \frac{\mathrm{Pact}}{\mathrm{Pstp}} \cdot \mathrm{Qact}$$

where:
Q=Volumetric flow rate (cubic feet /minute)

Qstp=Volumetric flow rate at standard temperature and pressure (cubic feet/minute) at actual conditions

Pact =Pressure (absolute line pressure) (inches of water [in H_2O])

Pstp =Pressure at standard temperature and pressure (in H_2O)

Qact =Volumetric flow rate at actual conditions (cubic feet/minute) based on measured flow velocity and actual pipe diameter

and;

$$\dot{M} = Qstp \cdot C \cdot CF$$

where:

$\dot{M} = Mass\ flow\ rate\ (pounds\ per\ day)$

C= GRO concentration (micrograms per liter)

$\mathrm{CF} = 0.0000899 \cdot \frac{L \cdot lb \cdot min}{cubic\ feet \cdot micrograms \cdot day}$

Analytical data for petroleum hydrocarbon-based vapors in all three SVE circuits generally show fluctuation of contaminants over the duration of the 15th Quarter. Soil contamination as measured by vapor concentrations appears to attenuate while the remediation system is operating, however vapor concentrations rebound when the system has been idle. Based upon calculations shown above using data and flow measurements taken from the SVE system circuits during O&M site visits, the SVE system has removed approximately 213,303 pounds of GRO compounds from the source area. A time series plot for GRO vapor analysis versus time is shown in Figure 2. Time series plots for petroleum hydrocarbon mass removal are presented in Figure 3 (individual circuits) and Figure 4 (cumulative). A graph showing the hourly removal of GRO compounds versus time is presented in Appendix D. Appendix E presents a sample calculation for hydrocarbon mass removal rate by the natural gas off-set method. Figures 5 through 7 are graphs of PID measurements obtained during Quarter 15 operations and maintenance site visits.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on data from Quarter 15 remediation system operations at the Triangle Truck Stop and Save Gas #3 sites, Amec Foster Wheeler has developed the following conclusions and recommendations.

- During the 15th Quarter of operations, the vacuum blower and sparging system operated on a one-month-on/one-month-off basis. The SVE system was operated from June 27, 2018 through July 27, 2018. The system was shut-down between July 27 and August 31, 2018, and operated again between August 31, and September 29, 2018.

- During system start-up on June 27, 2018 it was discovered that one of the rotary claw blowers had seized and could not be started. After consultation with NMED, it was decided not to replace the blower and to continue operations with a single blower in operation.

- The remediation system is not implicitly designed to contain groundwater or NAPL contamination migration. Its primary design goal is the removal of source area contamination from the vadose zone and the removal of NAPL via enhanced volatilization. To this end, the system appears to be performing well, as shown by the gasoline vapor analytical results on Table 2.

- Biogenic and PID measurements were consistent with previous remediation system operations data.

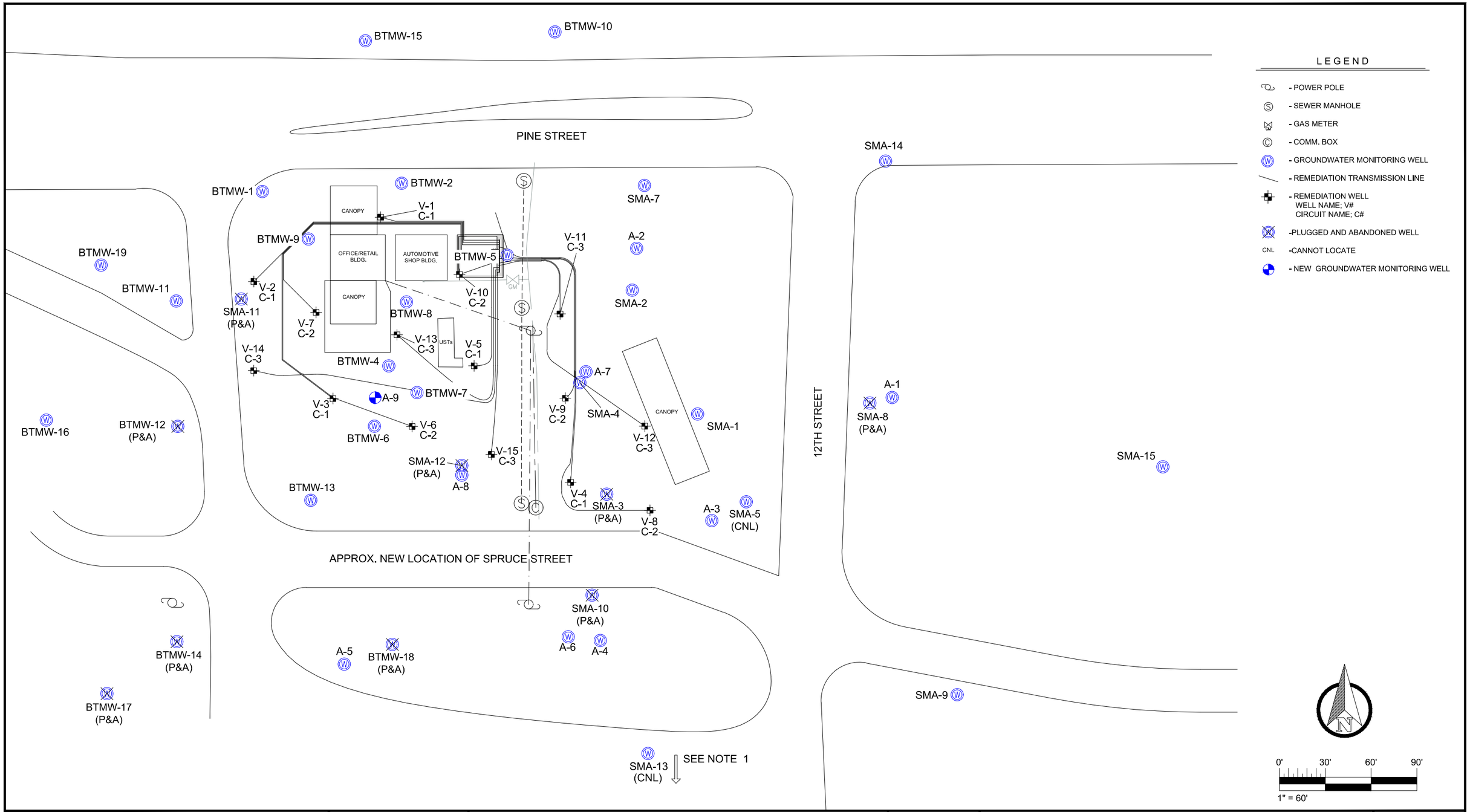
Amec Foster Wheeler recommends the following:

- Operation of the remediation system as directed by NMED during Quarter 16 on a two-months-off/one-month-on schedule.

- The old service station site located across West Pine Street, directly north of the Save Gas #3 site, should be considered for possible petroleum release investigation given the persistent high level of petroleum hydrocarbon-based contamination, and the recent detection of NAPL in monitoring well BTMW-15. Similar investigation should also be considered for the former Chevron Sun-Mart station located direct east of the Triangle Truck Stop site given the recent detection of NAPL in monitoring well A-1 and the corresponding direction of groundwater flow in the site vicinity.

This report completes deliverables 18206-3 (Save Gas #3) and 18209-3 (Triangle Truck Stop). Currently, the remediation system is shut-down for two months (October & November 2018) as part of Quarter 16 operations. The system will be restarted in December, 2018 and operated for one month. Following shut-down at the end of December, a groundwater monitoring event will be performed as approved in the current work plan.

FIGURES



LEGEND

- POWER POLE
- SEWER MANHOLE
- GAS METER
- COMM. BOX
- GROUNDWATER MONITORING WELL
- REMEDIATION TRANSMISSION LINE
- REMEDIATION WELL
  WELL NAME; V#
  CIRCUIT NAME; C#
- PLUGGED AND ABANDONED WELL
- CNL -CANNOT LOCATE
- NEW GROUNDWATER MONITORING WELL

NOTES:

1. SMA-13 IS SOUTH OF LOCATION SHOWN ON MAP.
2. LOCATION OF WELL A-9 IS APPROXIMATE. WELL IS BEING SURVEYED AND LOCATION WILL BE VERIFIED IN NEXT MONITORING REPORT.

NEW MEXICO ENVIRONMENT DEPT.
PETROLEUM STORAGE TANK BUREAU

AMEC FOSTER WHEELER
ENVIRONMENT & INFRASTRUCTURE
8519 Jefferson Rd NE
Albuquerque, New Mexico 87113

DWN BY:	JT
CHK'D BY:	JC
DATUM:	N/A
PROJECTION:	N/A
SCALE:	AS SHOWN

PROJECT
TRIANGLE TRUCKSTOP - SAVE GAS NO. 3
DEMING, NEW MEXICO

TITLE
SITE LOCATION AND SYSTEM LAYOUT MAP

DATE:	AUGUST 2018
PROJECT NO:	1851700017
REV. NO.:	A
FIGURE NO.	1

p:\consultingprojects\81\8-517-00017_save gas #3\cad august 2018\18-517-00017_figure 1.dwg

Figure 2. GRO Vapor Analyses vs. Time

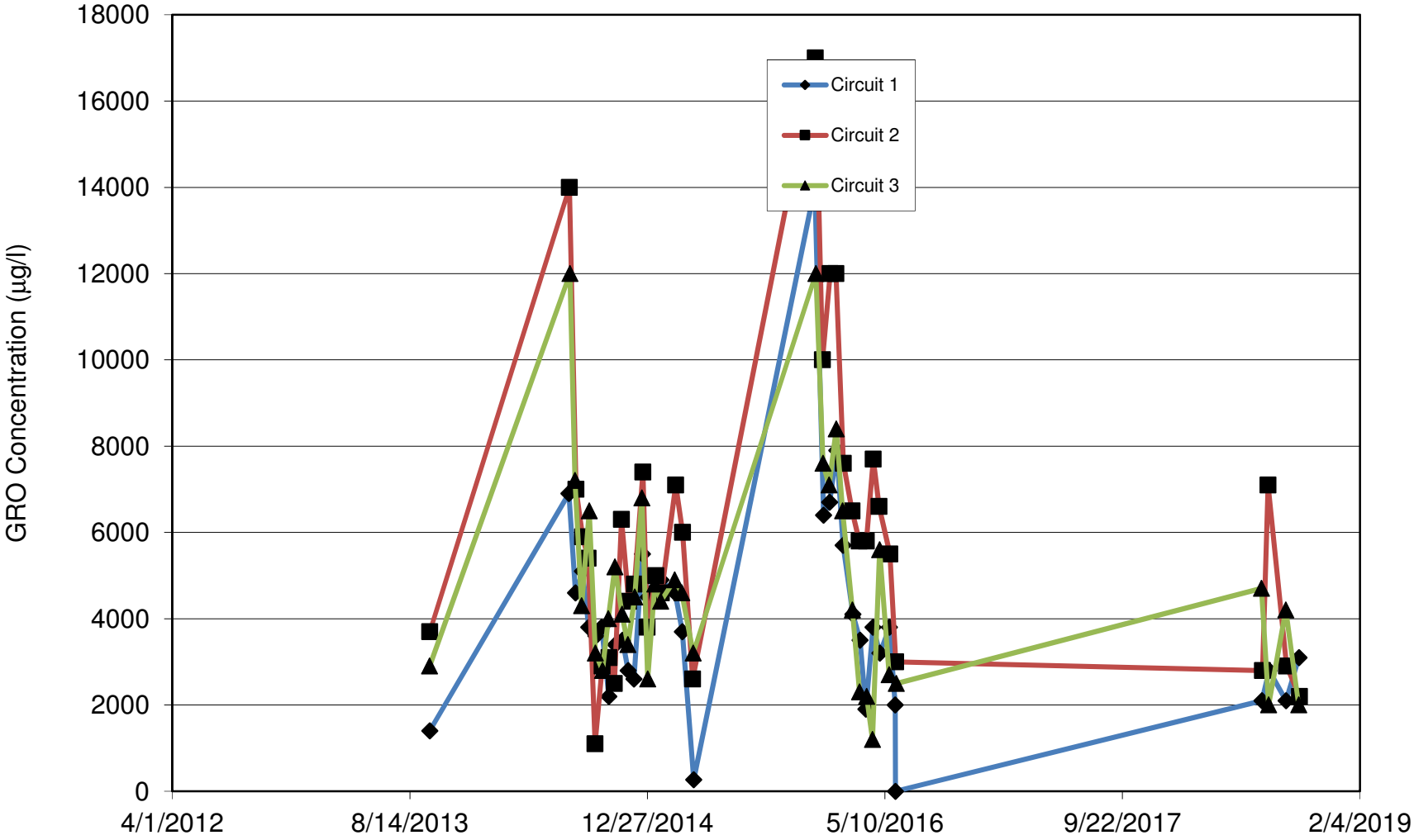


Figure 3. Mass Removed Versus Time

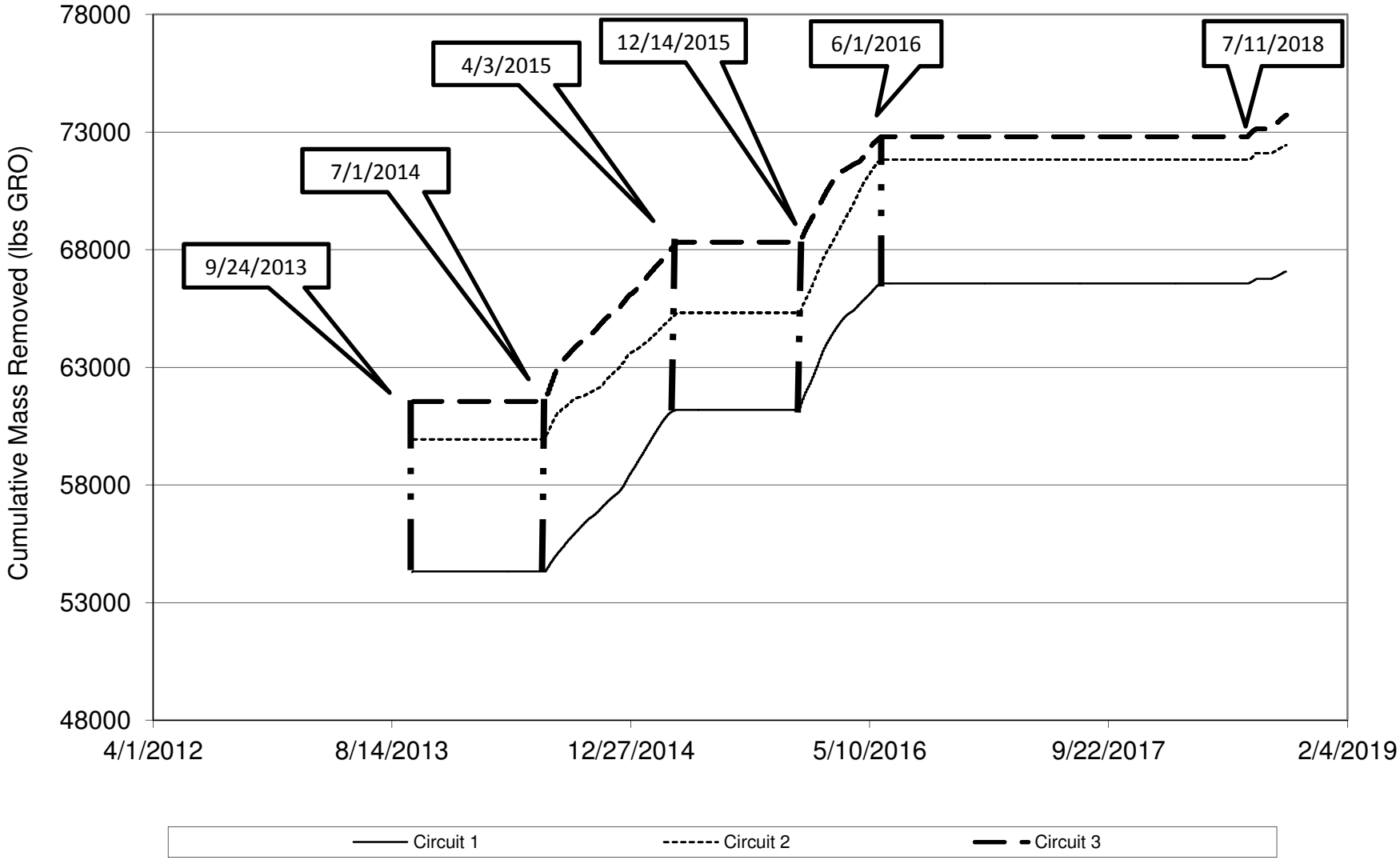


Figure 4. Cumulative Mass Removed Versus Time

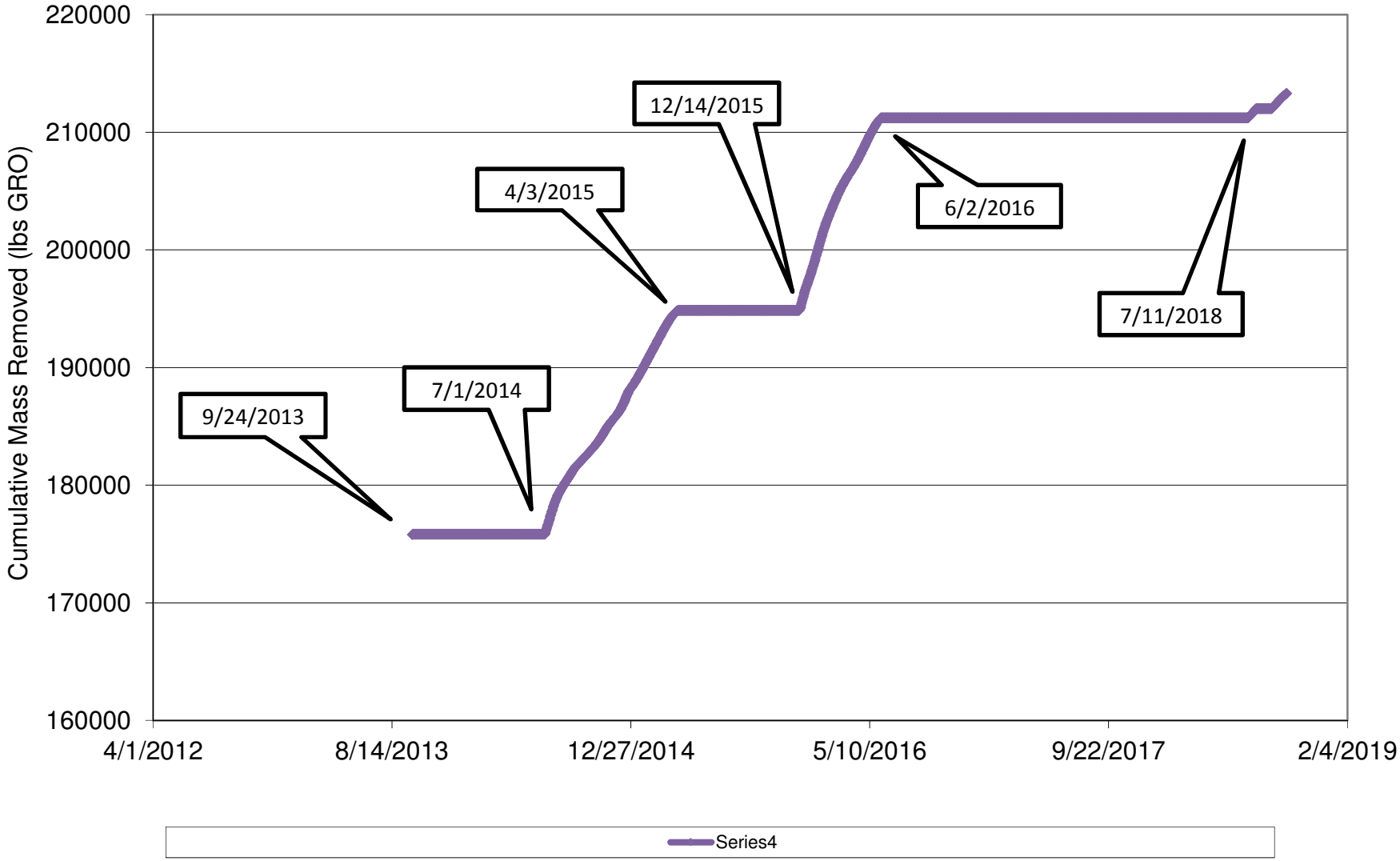


Figure 5 - Quarter 15 PID Analysis Results - Circuit 1 - Triangle Truck Stop & Save Gas #3

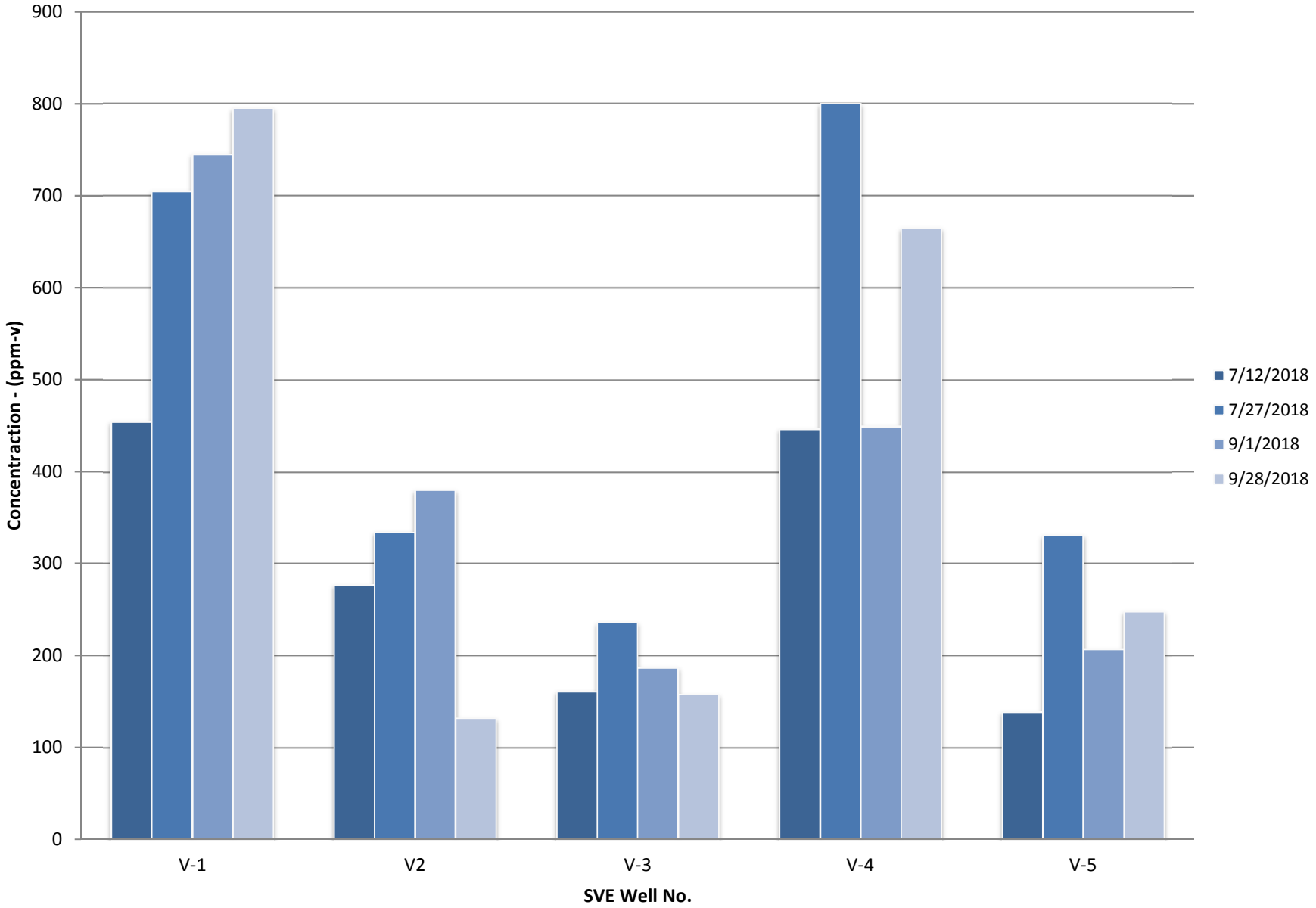


Figure 6 - Quarter 15 PID Analysis Results - Circuit 2 - Triangle Truck Stop & Save Gas #3

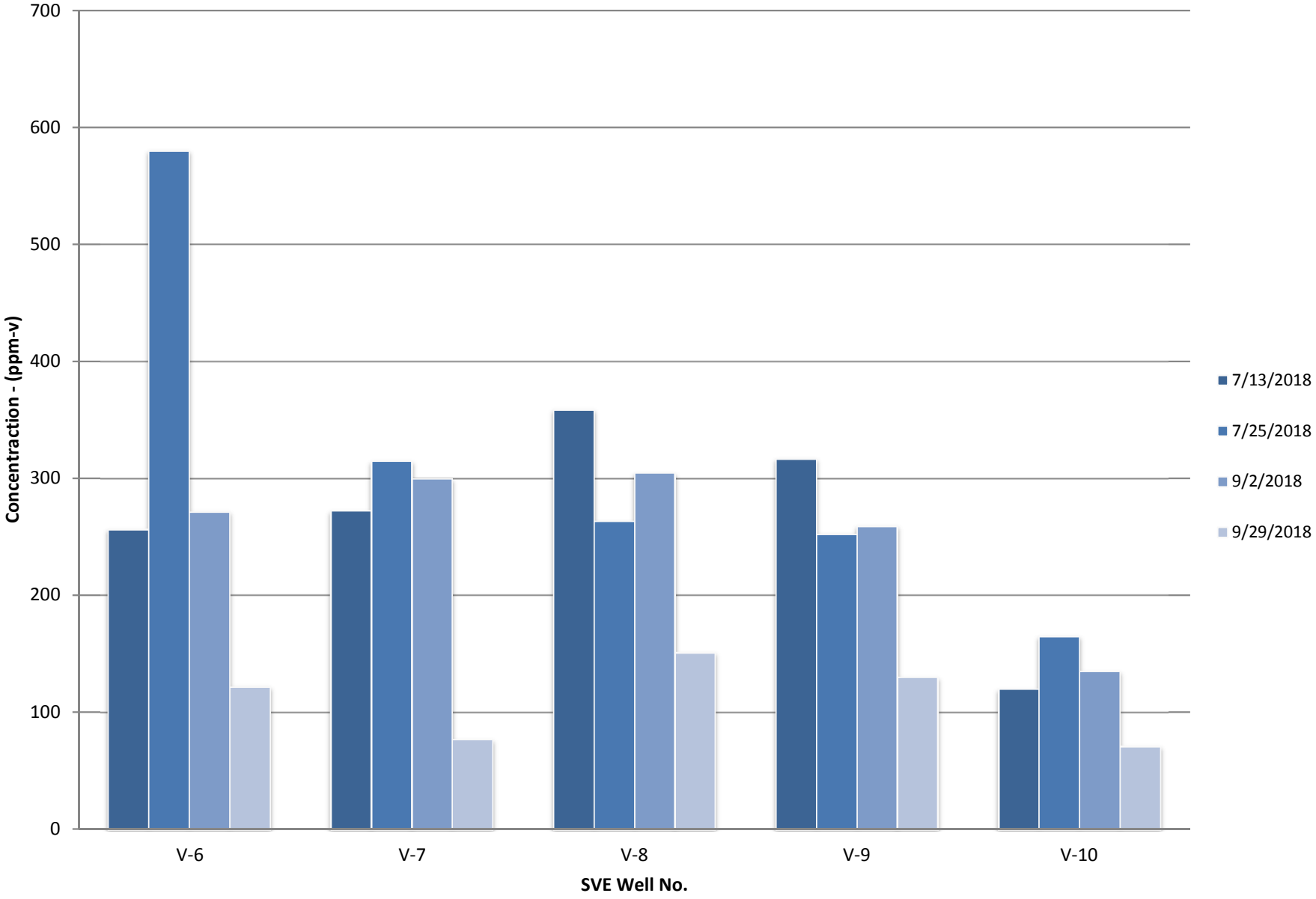
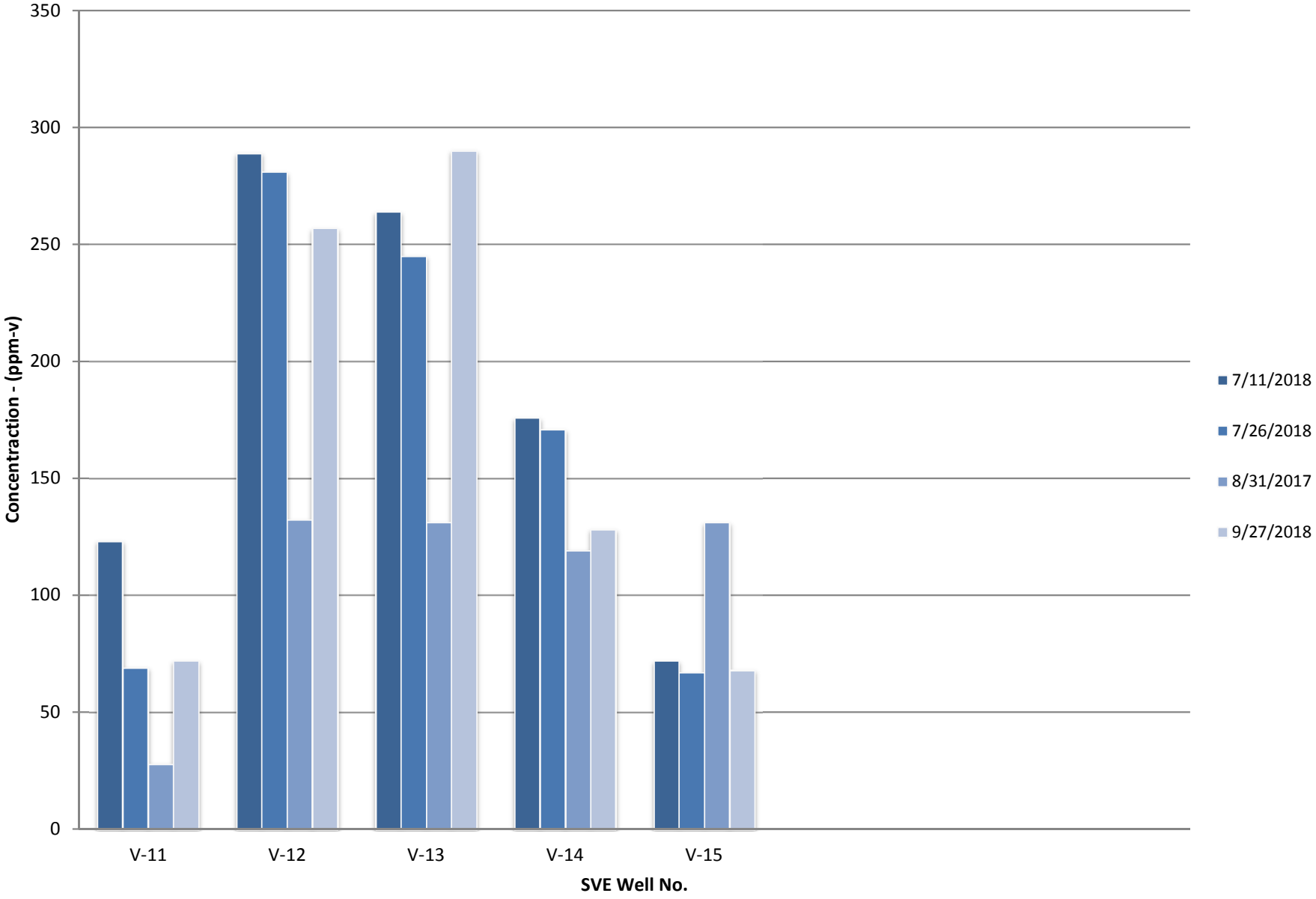


Figure 7 - Quarter 15 PID Analysis Results - Circuit 3 - Triangle Truck Stop & Save Gas #3



TABLES

TABLE 1
SVE/SPARGE MANIFOLD DATA SUMMARY

DATE	TIME	Barometric Pressure (1)	Soil Vapor Extraction (SVE) Manifold								Atmospheric Air Injection (AAI) Manifold								Drop Tubes	
			Circuit	SVE Well	V (3)	Q (5)			Pabsolute (9)	ΔP (11)	Circuit	Sparge Well	V (3)	Q (5)			Pabsolute (9)	ΔP	Drop Tube Well (14)	Q (5)
		inHg (2)			FPM (4)	ACFM (6)	SCFM (7)	TOTAL SCFM (8)	inHg (10)	inHg (10)			FPM (4)	ACFM (6)	SCFM (7)	SCFM (8)	inHg (10)	PSID (12)		CFM 15)
6/22/2010	15:20	26.1	3	11	2500	71.6	23.0	109.8	9.6	17	1	1	4000	20	20.9	104.2	31.2	2.5	11	0
				12	1500	43.0	17.4		12.1	14.0		2	4200	21	21.9		31.2	2.5	12	0
				13	1700	48.7	14.9		9.1	17		3	4400	22	22.3		30.2	2.0	13	0
				14	1500	43.0	28.2		19.6	6.5		4	3400	17	17.2		30.2	2.0	14	0
				15	1400	40.1	26.3		19.6	7		5	4200	21	21.9		31.2	2.5	15	0
6/23/2010	0:30	26.0	2	6	1700	48.7	24.4	116.6	15.0	11	1	1	4100	21	21.4	104.8	31.1	2.5	6	2
				7	1800	51.5	20.6		12.0	14.0		2	4200	21	21.9		31.1	2.5	7	1.5
				8	1500	43.0	19.4		13.5	13		3	4400	22	22.2		30.1	2.0	8	1.75
				9	1500	43.0	23.0		16.0	10.0		4	3400	17	17.4		30.5	2.2	9	0
				10	1800	51.5	29.2		17.0	9		5	4200	21	21.9		31.1	2.5	10	<1.5
6/23/2010	13:05	25.2	2	6	1700	48.7	22.3	103.1	13.7	12	3	11	3900	20	20.4	103.4	31.3	3.0	6	NR
				7	1700	48.7	18.2		11.2	14.0		12	3100	16	16.3		31.3	3.0	7	NR
				8	1500	43.0	18.9		13.2	12		13	4000	20	21.6		32.3	3.5	8	NR
				9	1400	40.1	20.4		15.2	10.0		14	4400	22	22.3		30.3	2.5	9	NR
				10	1500	43.0	23.3		16.2	9		15	4500	23	22.8		30.3	2.5	10	NR
6/23/2010	16:25	25.9	1	1	2000	57.3	20.8	125.1	10.9	15	3	11	3900	20	20.3	110.3	31.0	2.5	1	0
				2	1800	51.5	21.3		12.4	13.5		12	3800	19	20.4		32.0	3.0	2	0
				3	2800	80.1	46.5		17.4	9		13	4000	20	22.1		33.0	3.5	3	0
				4	1000	28.7	10.5		10.9	15.0		14	4400	22	23.6		32.0	3.0	4	3.5
				5	2500	71.6	26.0		10.9	15		15	4600	23	23.9		31.0	2.5	5	2.5
6/24/2010	12:50	25.8	1	1	2000	57.3	19.8	122.1	10.3	16	2	6	3900	20	21.6	122.6	33.0	3.5	1	0
				2	1800	51.5	21.2		12.3	13.5		7	3800	19	23.5		37.0	5.5	2	0
				3	2750	78.7	44.2		16.8	9		8	4000	20	24.8		37.0	5.5	3	0
				4	1300	37.2	12.2		9.8	16.0		9	4400	22	25.0		34.0	4.0	4	3.5
				5	2500	71.6	24.7		10.3	16		10	4600	23	27.7		36.0	5.0	5	3

TABLE 1
SVE/SPARGE MANIFOLD DATA SUMMARY

DATE	TIME	Barometric Pressure (1)	Soil Vapor Extraction (SVE) Manifold								Atmospheric Air Injection (AAI) Manifold								Drop Tubes	
			Circuit	SVE Well	V (3)	Q (5)			Pabsolute (9)	ΔP (11)	Circuit	Sparge Well	V (3)	Q (5)			Pabsolute (9)	ΔP	Drop Tube Well (14)	Q (5)
		inHg (2)			FPM (4)	ACFM (6)	SCFM (7)	TOTAL SCFM (8)	inHg (10)	inHg (10)			FPM (4)	ACFM (6)	SCFM (7)	SCFM (8)	inHg (10)	PSID (12)		CFM 15)
6/24/2010	22:50	25.9	1	1	2000	57.3	18.1	111.9	9.4	17	2	6	4800	24	26.6	144.7	33.1	3.5	1	0
				2	1600	45.8	19.0		12.4	13.5		7	4900	25	30.4		37.1	5.5	2	0
				3	2700	77.3	45.0		17.4	9		8	4800	24	30.7		38.2	6.0	3	0
				4	1000	28.7	9.1		9.4	16.5		9	4800	24	27.4		34.1	4.0	4	0
				5	2300	65.8	20.7		9.4	17		10	4900	25	29.6		36.1	5.0	5	0
6/25/2010	8:55	26.0	3	11	1800	51.5	15.5	110.5	9.0	17	2	6	4200	21	21.9	107.1	31.1	2.5	11	0
				12	1800	51.5	20.6		12.0	14.0		7	3800	19	19.8		31.1	2.5	12	0
				13	2200	63.0	18.9		9.0	17		8	4800	24	29.1		36.2	5.0	13	2
				14	1500	43.0	28.7		20.0	6.0		9	2600	13	12.7		29.1	1.5	14	2
				15	1400	40.1	26.8		20.0	6		10	4000	20	23.6		35.2	4.5	15	0
6/30/2010	9:13	26.1	1	1	1800	51.5	20.9	126.9	12.1	14	2	6	4000	20	20.9	113.9	31.2	2.5	1	0
				2	1800	51.5	21.7		12.6	13.5		7	3900	20	22.4		34.3	4.0	2	0
				3	2900	83.0	53.0		19.1	7		8	4600	23	27.2		35.3	4.5	3	0
				4	100	2.9	1.2		12.1	14.0		9	4100	21	22.2		32.3	3.0	4	2.5
				5	2600	74.4	30.1		12.1	14		10	3800	19	21.2		33.3	3.5	5	2.5
6/30/2010	11:05	26.0	1	1	1500	43.0	17.3	106.5	12.0	14	3	11	2800	14	16.5	67.7	35.2	4.5	1	0
				2	1700	48.7	20.4		12.5	13.5		12	3400	17	19.5		34.2	4.0	2	2
				3	2100	60.1	38.8		19.3	6.7		13	2000	10	11.5		34.2	4.0	3	1.5
				4	100	2.9	1.2		12.0	14		14	2000	10	10.1		30.1	2.0	4	2
				5	2500	71.6	28.8		12.0	14		15	2000	10	10.1		30.1	2.0	5	2
7/9/2010	18:35	25.9	3	11	1500	43.0	17.2	124.5	11.9	14.0	1	1	4000	20	19.2	92.5	28.6	1.3	11	0
				12	700	20.1	8.0		11.9	14.0		2	3600	18	17.4		28.8	1.4	12	0
				13	3600	103.0	41.0		11.9	14.0		3	3900	20	18.7		28.6	1.3	13	2
				14	1500	43.0	28.2		19.6	6.3		4	3600	18	17.3		28.6	1.3	14	2
				15	1500	43.0	30.1		20.9	5.0		5	4100	21	19.9		29.0	1.5	15	0

TABLE 1
SVE/SPARGE MANIFOLD DATA SUMMARY

DATE	TIME	Barometric Pressure (1)	Soil Vapor Extraction (SVE) Manifold								Atmospheric Air Injection (AAI) Manifold								Drop Tubes	
			Circuit	SVE Well	V (3)	Q (5)			Pabsolute (9)	ΔP (11)	Circuit	Sparge Well	V (3)	Q (5)			Pabsolute (9)	ΔP	Drop Tube Well (14)	Q (5)
		inHg (2)			FPM (4)	ACFM (6)	SCFM (7)	TOTAL SCFM (8)	inHg (10)	inHg (10)			FPM (4)	ACFM (6)	SCFM (7)	SCFM (8)	inHg (10)	PSID (12)		CFM 15)
7/16/2010	15:00	25.9	2	6	2000	57.3	26.7	170.1	13.9	12.0	3	11	4000	20	19.4	106.7	29.0	1.5	Closed	
				7	3700	105.9	63.4		17.9	8.0		12	3800	19	21.1		33.1	3.5		
				8	1400	40.1	20.0		14.9	11.0		13	5000	25	26.9		32.1	3.0		
				9	1000	28.7	11.5		11.9	14.0		14	2000	10	11.4		34.1	4.0		
				10	3400	97.3	48.5		14.9	11.0		15	5200	26	27.9		32.1	3.0		
7/22/2010	15:55	25.8	2	6	1700	48.7	25.8	111.7	15.8	10.0	3	11	3900	20	18.2	109.7	27.9	1.0	Closed	
				7	0	0.0	0.0		17.8	8.0		12	4200	21	20.3		28.9	1.5		
				8	1400	40.1	19.2		14.3	11.5		13	5000	25	25.9		30.9	2.5		
				9	1000	28.7	11.4		11.8	14.0		14	4000	20	18.7		27.9	1.0		
				10	3900	111.6	55.3		14.8	11.0		15	5500	28	26.6		28.9	1.5		
8/30/2010	18:51	25.9	2	6	1250	35.8	22.1	94.4	18.4	7.5	3	11	4400	22	22.1	123.4	30.0	2.0	Closed	
				7	1250	35.8	25.1		20.9	5.0		12	6000	30	29.1		29.0	1.5		
				8	1000	28.7	14.3		14.9	11.00		13	6000	30	29.1		29.0	1.5		
				9	500	14.4	6.3		12.9	13.00		14	6000	30	27.1		27.0	0.5		
				10	1800	51.5	26.6		15.4	10.5		15	3400	17	16.0		28.0	1.0		
9/22/2010	16:30	25.7	1	1	1050	30.1	20.1	90.1	20.0	5.8	3	11	4000	20	20.0	100.1	29.8	2.0	NR	
				2	1450	41.5	22.5		16.2	9.5		12	4000	20	20.2		30.2	2.2		
				3	950	27.2	21.4		23.5	2.3		13	4000	20	20.6		30.8	2.5		
				4	500	14.4	3.5		7.2	18.5		14	4000	20	19.6		29.3	1.8		
				5	1000	28.7	22.6		23.5	2.2		15	4000	20	19.7		29.4	1.8		
9/22/2010	17:35	25.7	3	11	1300	37.2	14.6	127.6	11.7	14.0	1	1	5200	26	26.3	106.0	30.2	2.2	NR	
				12	900	25.8	10.3		11.9	13.8		2	off	0	0.0		0.0	NR		
				13	2200	63.0	32.7		15.5	10.2		3	5200	26	25.1		28.8	1.5		
				14	2500	71.6	32.8		13.7	12.0		4	5200	26	26.8		30.8	2.5		
				15	2400	68.7	37.2		16.2	9.5		5	5400	27	27.8		30.8	2.5		

TABLE 1
SVE/SPARGE MANIFOLD DATA SUMMARY

DATE	TIME	Barometric Pressure (1)	Soil Vapor Extraction (SVE) Manifold								Atmospheric Air Injection (AAI) Manifold								Drop Tubes	
			Circuit	SVE Well	V (3)	Q (5)			Pabsolute (9)	ΔP (11)	Circuit	Sparge Well	V (3)	Q (5)			Pabsolute (9)	ΔP	Drop Tube Well (14)	Q (5)
		inHg (2)			FPM (4)	ACFM (6)	SCFM (7)	TOTAL SCFM (8)	inHg (10)	inHg (10)			FPM (4)	ACFM (6)	SCFM (7)	SCFM (8)	inHg (10)	PSID (12)		CFM 15)
9/22/2010	17:50	25.7	1	1	900	25.8	18.8	94.6	21.7	4.0	2	6	5200	26	25.1	125.1	28.8	1.5	NR	
				2	1250	35.8	16.4		13.7	12.0		7	5200	26	24.2		27.8	1.0		
				3	1100	31.5	25.0		23.7	2.0		8	5200	26	25.1		28.8	1.5		
				4	800	22.9	12.8		16.7	9.0		9	5300	27	24.7		27.8	1.0		
				5	950	27.2	21.6		23.7	2.0		10	5400	27	26.0		28.8	1.5		
9/22/2010	18:10	25.7	2	6	1600	45.8	27.1	124.0	17.7	8.0	3	11	NR	NA	NA	72.0	28.8	1.5	NR	
				7	1700	48.7	34.6		21.2	4.5		12	3800	19	18.0		28.2	1.2		
				8	1400	40.1	17.7		13.2	12.5		13	3600	18	18.6		30.8	2.5		
				9	1450	41.5	14.9		10.7	15.0		14	3600	18	17.4		28.8	1.5		
				10	1700	48.7	29.7		18.2	7.5		15	3600	18	18.0		29.8	2.0		
10/1/2010	10:30	26.1	2	6	1600	45.8	26.2	95.1	17.1	9.0	3	11	0	NR	NR	0.0	NR	NR	NR	
				7	400	11.5	8.2		21.1	5.0		12	3900	NR	NR		NR	NR		
				8	1400	40.1	25.0		18.6	7.5		13	4800	NR	NR		NR	NR		
				9	0	0.0	0.0		9.1	17.0		14	500	NR	NR		NR	NR		
				10	2000	57.3	35.7		18.6	7.5		15	500	NR	NR		NR	NR		
10/5/2010	16:40	26.1	2	6	1600	45.8	23.2	78.4	15.1	11.0	2	6	NR	NR	NR	0.0	NR	NR	NR	
				7	1400	40.1	28.3		21.1	5.0		7	NR	NR	NR		NR	NR		
				8	0	0.0	0.0		13.1	13.0		8	NR	NR	NR		NR	NR		
				9	0	0.0	0.0		8.6	17.5		9	NR	NR	NR		NR	NR		
				10	1800	51.5	26.9		15.6	10.5		10	NR	NR	NR		NR	NR		
11/9/2010	17:32	25.8	2	6	300	8.6	4.0	4.0	13.8	12.0	3	11	NR	NR	NR	16.4	27.9	1.0	NR	
				7	NR	0.0	0.0		21.3	4.5		12	3500	18	16.4		27.9	1.0		
				8	NR	0.0	0.0		11.3	14.5		13	0	0	0.0		27.9	1.0		
				9	NR	0.0	0.0		5.8	20.0		14	0	0	0.0		26.9	0.5		
				10	NR	0.0	0.0		6.8	19.0		15	0	0	0.0		28.4	1.3		

TABLE 1
SVE/SPARGE MANIFOLD DATA SUMMARY

DATE	TIME	Barometric Pressure (1)	Soil Vapor Extraction (SVE) Manifold								Atmospheric Air Injection (AAI) Manifold								Drop Tubes	
			Circuit	SVE Well	V (3)	Q (5)			Pabsolute (9)	ΔP (11)	Circuit	Sparge Well	V (3)	Q (5)			Pabsolute (9)	ΔP	Drop Tube Well (14)	Q (5)
		inHg (2)			FPM (4)	ACFM (6)	SCFM (7)	TOTAL SCFM (8)	inHg (10)	inHg (10)			FPM (4)	ACFM (6)	SCFM (7)	SCFM (8)	inHg (10)	PSID (12)		CFM 15)
11/10/2010	9:40	25.8	2	6	NR	0.0	0.0	0.0	13.8	12.0	3	11	NR	NR	NR	0.0	27.9	1.0	NR	
				7	NR	0.0	0.0		21.3	4.5		12	3600	0	0.0		27.9	1.0		
				8	NR	0.0	0.0		11.3	14.5		13	NR	0	0.0		27.9	1.0		
				9	NR	0.0	0.0		5.8	20.0		14	NR	0	0.0		26.9	0.5		
				10	NR	0.0	0.0		4.8	21.0		15	NR	0	0.0		28.4	1.3		
11/22/2010	16:00	25.9	3	11	NR	NR	NR	145.9	12.4	13.5	1	1	4200	21	18.6	38.4	26.5	0.3	NR	
				12	NR	NR	NR		12.9	13.0		2	NR	NR	NR		26.5	0.3		
				13	4000	114.5	72.4		18.9	7.0		3	NR	NR	NR		26.5	0.3		
				14	2200	63.0	33.5		15.9	10.0		4	3200	16	14.0		26.1	0.1		
				15	2100	60.1	40.0		19.9	6.0		5	5400	27	24.4		27.0	0.5		
2/17/2011	10:45	26.0	1	1	1400	40.1	16.8	112.0	12.5	13.5	2	6	2000	10	8.9	48.8	26.6	0.3	NR	
				2	1000	28.7	12.5		13.0	13.0		7	2000	10	8.9		26.6	0.3		
				3	1800	51.5	32.8		19.0	7.0		8	0	0	0.0		26.6	0.3		
				4	1000	28.7	15.4		16.0	10.0		9	3500	18	15.4		26.2	0.1		
				5	1800	51.5	34.5		20.0	6.0		10	5400	27	24.5		27.1	0.5		
5/12/2011	13:45	25.6	1	1	1850	53.0	16.2	107.4	9.1	17	1	1	Sprage Blower Being Repaired			0.0	NR	NR	1	2.5
				2	2100	60.1	23.4		11.6	14.0		2					30.7	2.5	2	5
				3	1500	43.0	12.4		8.6	17		3					29.7	2.0	3	2
				4	560	16.1	10.3		19.1	6.5		4					29.7	2.0	4	1.51.0
				5	2100	60.1	38.4		19.1	7		5					30.7	2.5	5	0
5/26/2011	19:16	25.5	2	6	1900	54.4	16.4	99.2	9.0	17	1	1	4000	20	20.5	102.2	30.6	2.5	6	2.5
				7	2100	60.1	23.1		11.5	14.0		2	4200	21	21.5		30.6	2.5	7	5
				8	1500	43.0	12.3		8.5	17		3	4400	22	21.8		29.6	2.0	8	0
				9	500	14.4	9.2		19.0	6.5		4	3400	17	16.9		29.6	2.0	9	2
				10	2100	60.1	38.2		19.0	7		5	4200	21	21.5		30.6	2.5	10	1.5

TABLE 1
SVE/SPARGE MANIFOLD DATA SUMMARY

DATE	TIME	Barometric Pressure (1)	Soil Vapor Extraction (SVE) Manifold								Atmospheric Air Injection (AAI) Manifold								Drop Tubes	
			Circuit	SVE Well	V (3)	Q (5)			Pabsolute (9)	ΔP (11)	Circuit	Sparge Well	V (3)	Q (5)			Pabsolute (9)	ΔP	Drop Tube Well (14)	Q (5)
		inHg (2)			FPM (4)	ACFM (6)	SCFM (7)	TOTAL SCFM (8)	inHg (10)	inHg (10)			FPM (4)	ACFM (6)	SCFM (7)	SCFM (8)	inHg (10)	PSID (12)		CFM 15)
6/9/2011	12:13	25.8	2	6	1200	34.4	10.7	57.2	9.3	17	1	11	4000	20	20.7	137.6	30.9	2.5	Closed	
				7	1000	28.7	11.4		11.8	14.0		12	4500	23	23.3		30.9	2.5		
				8	1500	43.0	12.7		8.8	17		13	6000	30	30.0		29.9	2.0		
				9	200	5.8	3.8		19.3	6.5		14	6000	30	30.0		29.9	2.0		
				10	1000	28.7	18.6		19.3	7		15	6500	33	33.6		30.9	2.5		
6/9/2011	15:26	25.8	3	11	1400	40.1	12.5	49.4	9.3	17	1	1	12000	60	62.0	235.1	30.9	2.5	Closed	
				12	800	22.9	9.1		11.8	14.0		2	10000	50	51.7		30.9	2.5		
				13	3300	94.4	27.8		8.8	17		3	8000	40	40.0		29.9	2.0		
				14	0	0.0	0.0		19.3	6.5		4	8000	40	40.0		29.9	2.0		
				15	0	0.0	0.0		19.3	7		5	8000	40	41.4		30.9	2.5		
6/23/2011	18:21	25.6	1	1	1800	51.5	15.7	155.1	9.1	17	3	11	3000	15	15.4	139.0	30.7	2.5	1	0
				2	1500	43.0	16.7		11.6	14.0		12	4500	23	23.1		30.7	2.5	2	2
				3	4000	114.5	33.0		8.6	17		13	7500	38	37.3		29.7	2.0	3	0
				4	2500	71.6	45.8		19.1	6.5		14	6000	30	29.8		29.7	2.0	4	2
				5	2400	68.7	43.9		19.1	7		15	6500	33	33.4		30.7	2.5	5	2
7/6/2011	17:20	25.8	2	6	2000	57.3	17.9	104.0	9.3	17	3	11	2000	10	10.4	132.2	30.9	2.5	6	2
				7	2400	68.7	27.1		11.8	14.0		12	4500	23	23.3		30.9	2.5	7	1.5
				8	1500	43.0	12.7		8.8	17		13	7500	38	37.5		29.9	2.0	8	0
				9	300	8.6	5.6		19.3	6.5		14	6000	30	30.0		29.9	2.0	9	0
				10	2200	63.0	40.7		19.3	7		15	6000	30	31.0		30.9	2.5	10	1
7/21/2011	18:15	25.8	3	11	1500	43.0	13.4	175.2	9.3	17	2	6	4500	23	23.3	115.3	30.9	2.5	11	2
				12	1000	28.7	11.4		11.8	14.0		7	8000	40	41.4		30.9	2.5	12	3
				13	2500	71.6	21.1		8.8	17		8	7500	38	37.5		29.9	2.0	13	2
				14	3400	97.3	62.8		19.3	6.5		9	2000	10	10.0		29.9	2.0	14	1
				15	3600	103.0	66.5		19.3	7		10	600	3	3.1		30.9	2.5	15	1

TABLE 1
SVE/SPARGE MANIFOLD DATA SUMMARY

DATE	TIME	Barometric Pressure (1)	Soil Vapor Extraction (SVE) Manifold								Atmospheric Air Injection (AAI) Manifold								Drop Tubes	
			Circuit	SVE Well	V (3)	Q (5)			Pabsolute (9)	ΔP (11)	Circuit	Sparge Well	V (3)	Q (5)			Pabsolute (9)	ΔP	Drop Tube Well (14)	Q (5)
		inHg (2)			FPM (4)	ACFM (6)	SCFM (7)	TOTAL SCFM (8)	inHg (10)	inHg (10)			FPM (4)	ACFM (6)	SCFM (7)	SCFM (8)	inHg (10)	PSID (12)		CFM 15)
8/4/2011	7:18	26.1	2	6	1650	47.2	25.4	135.4	16.1	10	3	11	4500	23	22.8	131.2	30.2	2.0	11	0
				7	2500	71.6	50.5		21.1	5.0		12	3000	15	14.9		29.7	1.8	12	0
				8	500	14.4	5.9		12.1	14		13	7500	38	39.2		31.2	2.5	13	0
				9	900	25.8	9.2		10.6	15.5		14	5000	25	23.6		28.2	1.0	14	0
				10	2100	60.1	44.4		22.1	4		15	6500	33	30.7		28.2	1.0	15	0
8/18/2011	17:45	25.9	1	1	2200	63.0	-61.3	66.5	-29.1	55	2	6	8000	40	43.0	134.2	32.1	3.0	11	0
				2	2200	63.0	29.3		13.9	12.0		7	9000	45	43.7		29.0	1.5	12	0
				3	2300	65.8	46.0		20.9	5		8	0	0	0.0		25.9	0.0	13	0
				4	0	0.0	0.0		25.9	0.0		9	0	0	0.0		25.9	0.0	14	0
				5	2500	71.6	52.5		21.9	4		10	9800	49	47.5		29.0	1.5	15	0
9/13/2011	11:39	26.0	1	1	2000	57.3	32.6	157.8	17.0	9	2	6	8300	42	42.5	138.8	30.6	2.3	11	0
				2	2000	57.3	24.6		12.8	13.2		7	8800	44	44.3		30.1	2.0	12	0
				3	2400	68.7	47.1		20.5	6		8	0	0	0.0		26.0	0.0	13	0
				4	0	0.0	0.0		26.0	0.0		9	0	0	0.0		26.0	0.0	14	0
				5	2600	74.4	53.5		21.5	5		10	10000	50	52.0		31.1	2.5	15	0
9/27/2011	11:33	25.8	2	6	1500	43.0	23.5	127.5	16.3	10	3	11	0	0	0.0	109.5	25.8	0.0	11	0
				7	3200	91.6	63.7		20.8	5.0		12	0	0	0.0		25.8	0.0	12	0
				8	0	0.0	0.0		25.8	0		13	12000	60	60.0		29.9	2.0	13	0
				9	0	0.0	0.0		25.8	0.0		14	11000	55	49.5		26.9	0.5	14	0
				10	2300	65.8	40.3		18.3	8		15	0	0	0.0		25.8	0.0	15	0
10/11/2011	14:43	25.8	3	11	0	0.0	0.0	148.4	25.8	0	1	1	3000	15	14.5	119.9	28.9	1.5	11	0
				12	0	0.0	0.0		25.8	0.0		2	4000	20	19.4		28.9	1.5	12	0
				13	2500	71.6	53.4		22.3	4		3	6500	33	32.5		29.9	2.0	13	0
				14	4000	114.5	95.0		24.8	1.0		4	0	0	0.0		25.8	0.0	14	0
				15	0	0.0	0.0		25.8	0		5	10000	50	53.5		32.0	3.0	15	0

TABLE 1
SVE/SPARGE MANIFOLD DATA SUMMARY

DATE	TIME	Barometric Pressure (1)	Soil Vapor Extraction (SVE) Manifold								Atmospheric Air Injection (AAI) Manifold								Drop Tubes	
			Circuit	SVE Well	V (3)	Q (5)			Pabsolute (9)	ΔP (11)	Circuit	Sparge Well	V (3)	Q (5)			Pabsolute (9)	ΔP	Drop Tube Well (14)	Q (5)
		inHg (2)			FPM (4)	ACFM (6)	SCFM (7)	TOTAL SCFM (8)	inHg (10)	inHg (10)			FPM (4)	ACFM (6)	SCFM (7)	SCFM (8)	inHg (10)	PSID (12)		CFM 15)
3/6/2012	21:23	25.8	1	1	1200	34.4	29.7	167.2	25.8	0	1	1	0	0	0.0	0.0	28.9	1.5	closed	0
				2	1500	43.0	37.1		25.8	0.0		2	0	0	0.0		28.9	1.5	closed	0
				3	1000	28.7	21.4		22.3	4		3	0	0	0.0		29.9	2.0	closed	0
				4	0	0.0	0.0		24.8	1.0		4	0	0	0.0		25.8	0.0	closed	0
				5	3200	91.6	79.0		25.8	0		5	0	0	0.0		32.0	3.0	closed	0
3/7/2012	9:32	25.8	3	11	0	0.0	0.0	68.9	25.8	0	1	1	0	0	0.0	0.0	28.9	1.5	closed	0
				12	0	0.0	0.0		25.8	0.0		2	0	0	0.0		28.9	1.5	closed	0
				13	1000	28.7	21.4		22.3	4		3	0	0	0.0		29.9	2.0	closed	0
				14	2000	57.3	47.5		24.8	1.0		4	0	0	0.0		25.8	0.0	closed	0
				15	0	0.0	0.0		25.8	0		5	0	0	0.0		32.0	3.0	closed	0
3/7/2012	9:30	25.8	2	6	2500	71.6	61.8	132.8	25.8	0	1	1	0	0	0.0	0.0	28.9	1.5	closed	0
				7	1000	28.7	24.8		25.8	0.0		2	0	0	0.0		28.9	1.5	closed	0
				8	1000	28.7	21.4		22.3	4		3	0	0	0.0		29.9	2.0	closed	0
				9	0	0.0	0.0		24.8	1.0		4	0	0	0.0		25.8	0.0	closed	0
				10	1000	28.7	24.8		25.8	0		5	0	0	0.0		32.0	3.0	closed	0
3/22/2012	19:02	25.8	3	11	0	0.0	0.0	45.2	25.8	0	1	1	3000	15	14.5	140.5	28.9	1.5	closed	0
				12	0	0.0	0.0		25.8	0.0		2	4500	23	21.8		28.9	1.5	closed	0
				13	1000	28.7	21.4		22.3	4		3	8000	40	40.0		29.9	2.0	closed	0
				14	1000	28.7	23.8		24.8	1.0		4	0	0	0.0		25.8	0.0	closed	0
				15	0	0.0	0.0		25.8	0		5	12000	60	64.2		32.0	3.0	closed	0
4/5/2012	17:09	26.0	3	11	0	0.0	0.0	45.6	26.0	0	2	6	9000	45	43.8	125.3	29.1	1.5	closed	0
				12	0	0.0	0.0		26.0	0.0		7	9000	45	43.8		29.1	1.5	closed	0
				13	1000	28.7	21.6		22.5	4		8	0	0	0.0		30.1	2.0	closed	0
				14	1000	28.7	24.0		25.0	1.0		9	0	0	0.0		26.0	0.0	closed	0
				15	0	0.0	0.0		26.0	0		10	7000	35	37.7		32.2	3.0	closed	0

TABLE 1
SVE/SPARGE MANIFOLD DATA SUMMARY

DATE	TIME	Barometric Pressure (1)	Soil Vapor Extraction (SVE) Manifold								Atmospheric Air Injection (AAI) Manifold								Drop Tubes	
			Circuit	SVE Well	V (3)	Q (5)			Pabsolute (9)	ΔP (11)	Circuit	Sparge Well	V (3)	Q (5)			Pabsolute (9)	ΔP	Drop Tube Well (14)	Q (5)
		inHg (2)			FPM (4)	ACFM (6)	SCFM (7)	TOTAL SCFM (8)	inHg (10)	inHg (10)			FPM (4)	ACFM (6)	SCFM (7)	SCFM (8)	inHg (10)	PSID (12)		CFM 15)
4/19/2012	13:16	26.1	2	6	1600	45.8	40.0	150.0	26.1	0	3	11	0	0	0.0	55.3	29.2	1.5	closed	0
				7	3400	97.3	84.9		26.1	0.0		12	0	0	0.0		29.2	1.5	closed	0
				8	0	0.0	0.0		22.6	4		13	1000	5	5.1		30.2	2.0	closed	0
				9	0	0.0	0.0		25.1	1.0		14	11500	58	50.2		26.1	0.0	closed	0
				10	1000	28.7	25.1		26.1	0		15	0	0	0.0		32.3	3.0	closed	0
5/3/2012	12:41	25.7	3	11	1000	28.7	24.7	100.4	25.7	0	1	1	0	0	0.0	0.0	28.8	1.5	closed	0
				12	0	0.0	0.0		25.7	0.0		2	0	0	0.0		28.8	1.5	closed	0
				13	1000	28.7	21.3		22.2	4		3	0	0	0.0		29.8	2.0	closed	0
				14	2300	65.8	54.4		24.7	1.0		4	0	0	0.0		25.7	0.0	closed	0
				15	0	0.0	0.0		25.7	0		5	0	0	0.0		31.9	3.0	closed	0
5/17/2012	16:08	25.1	2	6	1600	45.8	38.5	134.7	25.1	0	1	1	0	0	0.0	0.0	28.2	1.5	closed	0
				7	3000	85.9	72.1		25.1	0.0		2	0	0	0.0		28.2	1.5	closed	0
				8	0	0.0	0.0		21.6	4		3	0	0	0.0		29.2	2.0	closed	0
				9	0	0.0	0.0		24.1	1.0		4	0	0	0.0		25.1	0.0	closed	0
				10	1000	28.7	24.1		25.1	0		5	0	0	0.0		31.3	3.0	closed	0
5/29/2012	20:15	26.8	2	6	2500	71.6	64.2	128.6	26.8	0	1	1	0	0	0.0	0.0	29.9	1.5	closed	0
				7	1000	28.7	25.8		26.8	0.0		2	0	0	0.0		29.9	1.5	closed	0
				8	0	0.0	0.0		23.3	4		3	0	0	0.0		30.9	2.0	closed	0
				9	0	0.0	0.0		25.8	1.0		4	0	0	0.0		26.8	0.0	closed	0
				10	1500	43.0	38.6		26.8	0		5	0	0	0.0		33.0	3.0	closed	0
5/29/2012	23:28	25.8	1	1	2000	57.3	49.5	204.3	25.8	0	1	1	0	0	0.0	0.0	28.9	1.5	closed	0
				2	1400	40.1	34.6		25.8	0.0		2	0	0	0.0		28.9	1.5	closed	0
				3	1000	28.7	21.4		22.3	4		3	0	0	0.0		29.9	2.0	closed	0
				4	0	0.0	0.0		24.8	1.0		4	0	0	0.0		25.8	0.0	closed	0
				5	4000	114.5	98.8		25.8	0		5	0	0	0.0		32.0	3.0	closed	0

TABLE 1
SVE/SPARGE MANIFOLD DATA SUMMARY

DATE	TIME	Barometric Pressure (1)	Soil Vapor Extraction (SVE) Manifold								Atmospheric Air Injection (AAI) Manifold								Drop Tubes	
			Circuit	SVE Well	V (3)	Q (5)			Pabsolute (9)	ΔP (11)	Circuit	Sparge Well	V (3)	Q (5)			Pabsolute (9)	ΔP	Drop Tube Well (14)	Q (5)
		inHg (2)			FPM (4)	ACFM (6)	SCFM (7)	TOTAL SCFM (8)	inHg (10)	inHg (10)			FPM (4)	ACFM (6)	SCFM (7)	SCFM (8)	inHg (10)	PSID (12)		CFM 15)
5/30/2012	2:36	25.8	3	11	0	0.0	0.0	45.2	25.8	0	1	1	0	0	0.0	0.0	28.9	1.5	closed	0
				12	0	0.0	0.0		25.8	0.0		2	0	0	0.0		28.9	1.5	closed	0
				13	1000	28.7	21.4		22.3	4		3	0	0	0.0		29.9	2.0	closed	0
				14	1000	28.7	23.8		24.8	1.0		4	0	0	0.0		25.8	0.0	closed	0
				15	0	0.0	0.0		25.8	0		5	0	0	0.0		32.0	3.0	closed	0
6/14/2012	21:30	25.7	2	6	1500	43.0	28.4	85.7	19.7	6	3	11	0	0	0.0	9.7	25.7	0.0	6	0
				7	1000	28.7	19.9		20.7	5.0		12	0	0	0.0		25.7	0.0	7	0
				8	0	0.0	0.0		19.7	6		13	1000	5	5.0		29.8	2.0	8	0
				9	0	0.0	0.0		25.7	0.0		14	1000	5	4.7		27.8	1.0	9	0
				10	1800	51.5	37.4		21.7	4		15	0	0	0.0		25.7	0.0	10	0
6/28/2012	13:06	25.7	1	1	2000	57.3	35.9	147.9	18.7	7	2	6	9600	48	44.6	88.8	27.8	1.0	NR	NR
				2	1300	37.2	23.3		18.7	7.0		7	1000	5	4.7		27.8	1.0	NR	NR
				3	1000	28.7	17.0		17.7	8		8	0	0	0.0		25.7	0.0	NR	NR
				4	0	0.0	0.0		25.7	0.0		9	0	0	0.0		25.7	0.0	NR	NR
				5	3900	111.6	71.7		19.2	7		10	8500	43	39.5		27.8	1.0	NR	NR
7/13/2012	11:52	26.0	3	11	0	0.0	0.0	42.3	19.0	7	1	1	8000	40	38.2	150.7	28.5	1.2	NR	NR
				12	0	0.0	0.0		19.0	7.0		2	8000	40	38.2		28.5	1.2	NR	NR
				13	1000	28.7	17.3		18.0	8		3	10000	50	46.3		27.7	0.8	NR	NR
				14	1000	28.7	25.0		26.0	0.0		4	0	0	0.0		26.0	0.0	NR	NR
				15	0	0.0	0.0		19.5	7		5	6000	30	28.0		27.9	0.9	NR	NR
7/26/2012	14:03	25.9	2	6	2500	71.6	52.5	88.8	21.9	4	3	11	0	0	0.0	52.6	25.9	0.0	NR	NR
				7	1000	28.7	17.2		17.9	8.0		12	0	0	0.0		25.9	0.0	NR	NR
				8	0	0.0	0.0		25.9	0		13	1000	5	5.9		35.1	4.5	NR	NR
				9	0	0.0	0.0		25.9	0.0		14	9000	45	46.7		31.0	2.5	NR	NR
				10	1000	28.7	19.1		19.9	6		15	0	0	0.0		25.9	0.0	NR	NR

TABLE 1
SVE/SPARGE MANIFOLD DATA SUMMARY

DATE	TIME	Barometric Pressure (1)	Soil Vapor Extraction (SVE) Manifold								Atmospheric Air Injection (AAI) Manifold								Drop Tubes	
			Circuit	SVE Well	V (3)	Q (5)			Pabsolute (9)	ΔP (11)	Circuit	Sparge Well	V (3)	Q (5)			Pabsolute (9)	ΔP	Drop Tube Well (14)	Q (5)
		inHg (2)			FPM (4)	ACFM (6)	SCFM (7)	TOTAL SCFM (8)	inHg (10)	inHg (10)			FPM (4)	ACFM (6)	SCFM (7)	SCFM (8)	inHg (10)	PSID (12)		CFM 15)
8/9/2012	11:52	25.9	3	11	0	0.0	0.0	29.1	25.9	0	2	6	10000	50	43.3	80.2	25.9	0.0	11	0
				12	0	0.0	0.0		25.9	0.0		7	1000	5	4.4		25.9	0.0	12	0
				13	1000	28.7	14.3		14.9	11		8	0	0	0.0		35.1	4.5	13	2.5
				14	1000	28.7	14.8		15.4	10.5		9	0	0	0.0		31.0	2.5	14	2.5
				15	0	0.0	0.0		25.9	0		10	7500	38	32.5		25.9	0.0	15	0
8/21/2012	22:52	25.7	1	1	2400	68.7	46.5	104.2	20.3	5.5	2	6	9500	48	45.8	136.1	28.8	1.5	NR	NR
				2	1300	37.2	22.7		18.3	7.5		7	11500	58	55.4		28.8	1.5	NR	NR
				3	1000	28.7	17.0		17.8	8.0		8	0	0	0.0		25.8	0.0	NR	NR
				4	0	0.0	0.0		25.8	0.0		9	0	0	0.0		25.8	0.0	NR	NR
				5	1000	28.7	18.0		18.8	7		10	7500	38	34.9		27.8	1.0	NR	NR
8/22/2012	1:28	25.7	2	6	2400	68.7	45.3	80.3	19.7	6.0	NR			0	0.0	0.0			NR	NR
				7	1000	28.7	17.5		18.2	7.5				0	0.0				NR	NR
				8	0	0.0	0.0		25.7	0				0	0.0				NR	NR
				9	0	0.0	0.0		25.7	0.0				0	0.0				NR	NR
				10	1000	28.7	17.5		18.2	7.5				0	0.0				NR	NR
8/22/2012	3:30	25.9	3	11	0	0.0	0.0	29.1	25.9	0.0	NR			0	0.0	0.0			NR	NR
				12	0	0.0	0.0		25.9	0.0				0	0.0				NR	NR
				13	1000	28.7	14.3		14.9	11				0	0.0				NR	NR
				14	1000	28.7	14.8		15.4	10.5				0	0.0				NR	NR
				15	0	0.0	0.0		25.9	0.0				0	0.0				NR	NR
4/15/2013	12:04	26.2	1	1	1500	42.9	29.7	110.1	20.7	5.5	2	6	1200	6	6.1	16.5	30.4	2.3	NR	NR
				2	500	42.9	26.8		18.7	7.5		7	1000	5	5.2		30.6	2.4	NR	NR
				3	1500	42.9	26.1		18.2	8		8		0	0.0		25.8		NR	NR
				4	0	0.0	0.0		26.2	0.0		9		0	0.0		25.8		NR	NR
				5	1500	42.9	27.5		19.2	7.0		10	1000	5	5.2		30.6	2.4	NR	NR
4/15/2013	12:04	26.2	2	6	1000	28.6	19.3	55.1	20.2	6.0	3	11		0	0.0	123.0	25.8	0.0	NR	NR
				7	1000	28.6	17.9		18.7	7.5		12		0	0.0		25.8	0.0	NR	NR
				8	0	0.0	0.0		26.2	0		13	12000	60	68.0		33.9	4.0	NR	NR
				9	0	0.0	0.0		26.2	0.0		14	10000	50	55.0		32.9	3.5	NR	NR
				10	1000	28.6	17.9		18.7	7.5		15		0	0.0		25.8	0.0	NR	NR
4/15/2013	15:30	26.2	3	11	0	0.0	0.0	80.1	0.0	26.2	1	1	8000	40	38.6	140.0	28.8	1.5	NR	NR
				12	0	0.0	0.0		0.0	26.2		2	8000	40	38.6		28.8	1.5	NR	NR
				13	3303	94.5	40.1		12.7	14		3	8500	43	39.5		27.8	1.0	NR	NR
				14	3169	90.6	40.0		13.2	13.0		4	0	0	0.0		25.8	0.0	NR	NR
				15	0	0.0	0.0		0.0	26.2		5	5000	25	23.3		27.8	1.0	NR	NR

TABLE 1
SVE/SPARGE MANIFOLD DATA SUMMARY

DATE	TIME	Barometric Pressure (1)	Soil Vapor Extraction (SVE) Manifold								Atmospheric Air Injection (AAI) Manifold								Drop Tubes	
			Circuit	SVE Well	V (3)	Q (5)			Pabsolute (9)	ΔP (11)	Circuit	Sparge Well	V (3)	Q (5)			Pabsolute (9)	ΔP	Drop Tube Well (14)	Q (5)
		inHg (2)			FPM (4)	ACFM (6)	SCFM (7)	TOTAL SCFM (8)	inHg (10)	inHg (10)			FPM (4)	ACFM (6)	SCFM (7)	SCFM (8)	inHg (10)	PSID (12)		CFM 15)
4/25/2013	20:48	26.2	1	1	2000	57.2	35.8	163.3	18.7	7.5	2	6	9300	47	49.6	114.1	31.9	3.0	NR	NR
				2	1100	31.5	18.6		17.7	8.5		7	3000	15	16.5		32.9	3.5	NR	NR
				3	2500	71.5	44.7		18.7	8		8	0	0	0.0		25.8	0.0	NR	NR
				4	0	0.0	0.0		25.7	0.5		9	0	0	0.0		25.8	0.0	NR	NR
				5	3500	100.1	64.2		19.2	7.0		10	9000	45	48.0		31.9	3.0	NR	NR
4/25/2013	16:23	26.2	2	6	1000	28.6	19.3	72.9	20.2	6.0	3	11	0	0	0.0	121.9	25.8	0.0	NR	NR
				7	1500	42.9	26.8		18.7	7.5		12	0	0	0.0		25.8	0.0	NR	NR
				8	0	0.0	0.0		26.2	0		13	11800	59	66.9		33.9	4.0	NR	NR
				9	0	0.0	0.0		26.2	0.0		14	10000	50	55.0		32.9	3.5	NR	NR
				10	1500	42.9	26.8		18.7	7.5		15	0	0	0.0		25.8	0.0	NR	NR
4/25/2013	17:06	26.2	3	11	0	0.0	0.0	89.4	0.0	26.2	1	1	7800	39	36.3	137.4	27.8	1.0	NR	NR
				12	0	0.0	0.0		0.0	26.2		2	9000	45	41.9		27.8	1.0	NR	NR
				13	2725	77.9	43.5		16.7	10		3	8000	40	35.9		26.8	0.5	NR	NR
				14	2500	71.5	45.9		19.2	7.0		4	0	0	0.0		25.8	0.0	NR	NR
				15	0	0.0	0.0		0.0	26.2		5	5000	25	23.3		27.8	1.0	NR	NR
5/10/2013	10:25	26.2	1	1	4200	120.1	79.5	229.5	19.8	6.0	2	6	9000	45	44.9	146.0	29.8	2.0	NR	NR
				2	1600	45.8	29.5		19.3	6.5		7	11000	55	58.7		31.9	3.0	NR	NR
				3	3000	85.8	55.3		19.3	6.5		8	0	0	0.0		25.8	0.0	NR	NR
				4	0	0.0	0.0		25.8	0.0		9	0	0	0.0		25.8	0.0	NR	NR
				5	3200	91.5	65.2		21.3	4.5		10	8500	43	42.4		29.8	2.0	NR	NR
5/10/2013	22:04	26.2	2	6	2700	77.2	36.7	145.1	14.2	12.0	3	11	0	0	0.0	144.5	25.8	0.0	NR	NR
				7	3500	100.1	54.2		16.2	10.0		12	0	0	0.0		25.8	0.0	NR	NR
				8	0	0.0	0.0		26.2	0.0		13	12000	60	62.0		30.9	2.5	NR	NR
				9	0	0.0	0.0		26.2	0.0		14	15000	75	82.5		32.9	3.5	NR	NR
				10	3500	100.1	54.2		16.2	10.0		15	0	0	0.0		25.8	0.0	NR	NR
5/10/2013	17:06	26.2	3	11	0	0.0	0.0	93.4	0.0	26.2	1	1	8000	40	37.2	140.5	27.8	1.0	NR	NR
				12	0	0.0	0.0		0.0	26.2		2	8700	44	40.5		27.8	1.0	NR	NR
				13	3500	100.1	54.2		16.2	10		3	8500	43	39.5		27.8	1.0	NR	NR
				14	3230	92.4	39.2		12.7	13.5		4	0	0	0.0		25.8	0.0	NR	NR
				15	0	0.0	0.0		0.0	26.2		5	5000	25	23.3		27.8	1.0	NR	NR
5/22/2013	10:25	25.8	1	1	4200	120.1	79.5	229.5	19.8	6.0	2	6	9000	45	44.9	146.0	29.8	2.0	NR	NR
				2	1600	45.8	29.5		19.3	6.5		7	11000	55	58.7		31.9	3.0	NR	NR
				3	3000	85.8	55.3		19.3	6.5		8	0	0	0.0		25.8	0.0	NR	NR
				4	0	0.0	0.0		25.8	0.0		9	0	0	0.0		25.8	0.0	NR	NR
				5	3200	91.5	65.2		21.3	4.5		10	8500	43	42.4		29.8	2.0	NR	NR
5/22/2013	20:31	25.8	2	6	1100	31.5	16.0	110.4	15.2	11.0	3	11	0	0	0.0	143.0	25.8	0.0	NR	NR
				7	2800	80.1	48.7		18.2	8.0		12	0	0	0.0		25.8	0.0	NR	NR
				8	0	0.0	0.0		26.2	0.0		13	11000	55	60.5		32.9	3.5	NR	NR
				9	0	0.0	0.0		26.2	0.0		14	15000	75	82.5		32.9	3.5	NR	NR
				10	2700	77.2	45.7		17.7	8.5		15	0	0	0.0		25.8	0.0	NR	NR
5/22/2013	14:50	25.8	3	11	0	0.0	0.0	77.6	0.0	26.2	1	1	8000	40	35.9	139.2	26.8	0.5	NR	NR
				12	0	0.0	0.0		0.0	26.2		2	8000	40	35.9		26.8	0.5	NR	NR
				13	3521	100.7	36.3		10.8	15		3	7500	38	45.0		35.9	5.0	NR	NR
				14	4000	114.4	41.3		10.8	15.4		4	0	0	0.0		25.8	0.0	NR	NR
				15	0	0.0	0.0		0.0	26.2		5	5000	25	22.4		26.8	0.5	NR	NR
6/5/2013	16:56	26.2	1	1	3600	103.0	69.5	218.6	20.2	6.0	2	6	8500	43	41.0	130.7	28.8	1.5	NR	NR
				2	1500	42.9	29.0		20.2	6.5		7	11000	55	54.8		29.8	2.0	NR	NR
				3	3000	85.8	57.9		20.2	6.5		8	0	0	0.0		25.8	0.0	NR	NR
				4	0	0.0	0.0		26.2	0.0		9	0	0	0.0		25.8	0.0	NR	NR
				5	3000	85.8	62.2		21.7	4.5		10	7000	35	34.9		29.8	2.0	NR	NR
6/5/2013	12:21	26.2	2	6	2800	80.1	46.0	141.2	17.2	9.0	3	11	0	0	0.0	145.8	25.8	0.0	NR	NR
				7	3633	103.9	54.5		15.7	10.5		12	0	0	0.0		25.8	0.0	NR	NR
				8	0	0.0	0.0		26.2	0.0		13	11500	58	63.3		32.9	3.5	NR	NR
				9	0	0.0	0.0		26.2	0.0		14	15000	75	82.5		32.9	3.5	NR	NR
				10	2400	68.6	40.6		17.7	8.5		15	0	0	0.0		25.8	0.0	NR	NR

TABLE 1
SVE/SPARGE MANIFOLD DATA SUMMARY

DATE	TIME	Barometric Pressure (1)	Soil Vapor Extraction (SVE) Manifold								Atmospheric Air Injection (AAI) Manifold								Drop Tubes	
			Circuit	SVE Well	V (3)	Q (5)			Pabsolute (9)	ΔP (11)	Circuit	Sparge Well	V (3)	Q (5)			Pabsolute (9)	ΔP	Drop Tube Well (14)	Q (5)
		inHg (2)			FPM (4)	ACFM (6)	SCFM (7)	TOTAL SCFM (8)	inHg (10)	inHg (10)			FPM (4)	ACFM (6)	SCFM (7)	SCFM (8)	inHg (10)	PSID (12)		CFM 15)
6/5/2013	20:41	26.2	3	11	0	0.0	0.0	89.9	26.2	0.0	1	1	8000	40	35.9	139.2	26.8	0.5	NR	NR
				12	0	0.0	0.0		26.2	0.0		2	8000	40	35.9		26.8	0.5	NR	NR
				13	3200	91.5	45.0		14.7	12		3	7500	38	45.0		35.9	5.0	NR	NR
				14	3200	91.5	45.0		14.7	11.5		4	0	0	0.0		25.8	0.0	NR	NR
				15	0	0.0	0.0		26.2	0.0		5	5000	25	22.4		26.8	0.5	NR	NR
6/20/2013	19:19	25.8	1	1	3300	94.4	57.7	217.3	18.3	7.5	2	6	8500	43	41.0	130.7	28.8	1.5	NR	NR
				2	1500	42.9	25.5		17.8	8.0		7	11000	55	54.8		29.8	2.0	NR	NR
				3	4000	114.4	70.0		18.3	7.5		8	0	0	0.0		25.8	0.0	NR	NR
				4	0	0.0	0.0		25.8	0.0		9	0	0	0.0		25.8	0.0	NR	NR
				5	3300	94.4	64.0		20.3	5.5		10	7000	35	34.9		29.8	2.0	NR	NR
6/20/2013	22:40	25.9	2	6	2400	68.6	33.0	125.0	14.4	11.8	3	11	0	0	0.0	135.4	25.8	0.0	NR	NR
				7	3155	90.2	51.0		16.9	9.3		12	0	0	0.0		25.8	0.0	NR	NR
				8	0	0.0	0.0		25.9	0.0		13	12000	60	66.0		32.9	3.5	NR	NR
				9	0	0.0	0.0		25.9	0.0		14	13000	65	69.4		31.9	3.0	NR	NR
				10	2400	77.2	41.0		15.9	10.3		15	0	0	0.0		25.8	0.0	NR	NR
6/20/2013	8:08	26.0	3	11	0	0.0	0.0	82.6	26.0	0.0	1	1	7500	38	33.6	136.9	26.8	0.5	NR	NR
				12	0	0.0	0.0		26.0	0.0		2	8000	40	35.9		26.8	0.5	NR	NR
				13	3303	94.5	40.1		12.7	14		3	7500	38	45.0		35.9	5.0	NR	NR
				14	3500	100.1	42.5		12.7	13.5		4	0	0	0.0		25.8	0.0	NR	NR
				15	0	0.0	0.0		26.0	0.0		5	5000	25	22.4		26.8	0.5	NR	NR
7/5/2013	18:15	25.6	1	1	3200	91.5	56.9	218.6	18.6	7.0	2	6	7000	35	32.6	111.7	27.8	1.0	NR	NR
				2	1500	42.9	25.2		17.6	8.0		7	10000	50	46.5		27.8	1.0	NR	NR
				3	4000	114.4	67.3		17.6	8.0		8	0	0	0.0		25.8	0.0	NR	NR
				4	0	0.0	0.0		25.6	0.0		9	0	0	0.0		25.8	0.0	NR	NR
				5	3600	103.0	69.2		20.1	5.5		10	7000	35	32.6		27.8	1.0	NR	NR
7/5/2013	22:23	25.9	2	6	2200	62.9	42.9	129.4	20.4	5.5	3	11	0	0	0.0	122.7	25.8	0.0	NR	NR
				7	2518	72.0	45.5		18.9	7.0		12	0	0	0.0		25.8	0.0	NR	NR
				8	0	0.0	0.0		25.9	0.0		13	11000	55	58.7		31.9	3.0	NR	NR
				9	0	0.0	0.0		25.9	0.0		14	12000	60	64.0		31.9	3.0	NR	NR
				10	2700	77.2	41.0		15.9	10.0		15	0	0	0.0		25.8	0.0	NR	NR
7/6/2013	8:10	25.9	3	11	0	0.0	0.0	85.3	25.9	0.0	1	1	7500	38	33.6	127.2	26.8	0.5	NR	NR
				12	0	0.0	0.0		25.9	0.0		2	7500	38	33.6		26.8	0.5	NR	NR
				13	3159	90.3	40.5		12.5	13		3	7000	35	42.0		35.9	5.0	NR	NR
				14	3500	100.1	44.8		12.5	13.4		4	0	0	0.0		25.8	0.0	NR	NR
				15	0	0.0	0.0		25.9	0.0		5	4000	20	18.0		26.8	0.5	NR	NR
7/24/2013	20:18	25.8	1	1	3200	91.5	59.0	215.8	19.3	6.5	2	6	10000	50	51.7	163.7	30.9	2.5	NR	NR
				2	1500	42.9	24.8		17.3	8.5		7	12000	60	64.0		31.9	3.0	NR	NR
				3	4200	120.1	69.5		17.3	8.5		8	0	0	0.0		25.8	0.0	NR	NR
				4	0	0.0	0.0		25.8	0.0		9	0	0	0.0		25.8	0.0	NR	NR
				5	3300	94.4	62.5		19.8	6.0		10	9000	45	48.0		31.9	3.0	NR	NR
7/24/2013	16:34	25.8	2	6	2700	77.2	51.1	145.6	19.8	6.0	3	11	0	0	0.0	0.0	25.8	0.0	NR	NR
				7	3155	90.2	50.7		16.8	9.0		12	0	0	0.0		25.8	0.0	NR	NR
				8	0	0.0	0.0		25.8	0.0		13	0	0	0.0		25.8	0.0	NR	NR
				9	0	0.0	0.0		25.8	0.0		14	0	0	0.0		25.8	0.0	NR	NR
				10	3100	88.7	43.9		14.8	11.0		15	0	0	0.0		25.8	0.0	NR	NR
7/25/2013	8:10	25.8	3	11	0	0.0	0.0	86.0	25.8	0.0	1	1	9000	45	44.9	162.1	29.8	2.0	NR	NR
				12	0	0.0	0.0		25.8	0.0		2	9000	45	44.9		29.8	2.0	NR	NR
				13	3231	92.4	39.5		12.8	13		3	9000	45	44.9		29.8	2.0	NR	NR
				14	3800	108.7	46.5		12.8	13.0		4	0	0	0.0		25.8	0.0	NR	NR
				15	0	0.0	0.0		25.8	0.0		5	5500	28	27.4		29.8	2.0	NR	NR
8/9/2013	9:59	25.6	1	1	3200	91.5	56.9	210.5	18.6	7.0	2	6	9500	48	47.2	154.7	29.7	2.0	NR	NR
				2	1500	42.9	24.5		17.1	8.5		7	12000	60	59.6		29.7	2.0	NR	NR
				3	4000	114.4	67.3		17.6	8.0		8	0	0	0.0		25.6	0.0	NR	NR
				4	0	0.0	0.0		25.6	0.0		9	0	0	0.0		25.6	0.0	NR	NR
				5	3300	94.4	61.8		19.6	6.0		10	9000	45	47.9		31.8	3.0	NR	NR

TABLE 1
SVE/SPARGE MANIFOLD DATA SUMMARY

DATE	TIME	Barometric Pressure (1)	Soil Vapor Extraction (SVE) Manifold								Atmospheric Air Injection (AAI) Manifold								Drop Tubes	
			Circuit	SVE Well	V (3)	Q (5)			Pabsolute (9)	ΔP (11)	Circuit	Sparge Well	V (3)	Q (5)			Pabsolute (9)	ΔP	Drop Tube Well (14)	Q (5)
		inHg (2)			FPM (4)	ACFM (6)	SCFM (7)	TOTAL SCFM (8)	inHg (10)	inHg (10)			FPM (4)	ACFM (6)	SCFM (7)	SCFM (8)	inHg (10)	PSID (12)		CFM 15)
8/8/2013	23:28	25.7	2	6	2600	74.4	37.8	131.7	15.2	10.5	3	11	0	0	0.0	130.4	25.7	0.0	NR	NR
				7	3155	90.2	50.4		16.7	9.0		12	0	0	0.0		25.7	0.0	NR	NR
				8	0	0.0	0.0		25.7	0.0		13	11000	55	62.4		33.9	4.0	NR	NR
				9	0	0.0	0.0		25.7	0.0		14	12000	60	68.0		33.9	4.0	NR	NR
				10	3100	88.7	43.6		14.7	11.0		15	0	0	0.0		25.7	0.0	NR	NR
8/8/2013	20:08	25.8	3	11	0	0.0	0.0	83.9	25.8	0.0	1	1	9500	48	44.3	154.0	27.9	1.0	NR	NR
				12	0	0.0	0.0		25.8	0.0		2	9500	48	44.3		27.9	1.0	NR	NR
				13	3376	96.6	38.4		11.9	14.0		3	8500	43	39.7		27.9	1.0	NR	NR
				14	4000	114.4	45.5		11.9	14.0		4	0	0	0.0		25.8	0.0	NR	NR
				15	0	0.0	0.0		25.8	0.0		5	5500	28	25.7		27.9	1.0	NR	NR
8/22/2013	14:15	25.8	1	1	3200	91.5	57.5	217.5	18.8	7.0	2	6	9000	45	43.5	149.8	28.9	1.5	NR	NR
				2	1700	48.6	28.1		17.3	8.5		7	12000	60	58.0		28.9	1.5	NR	NR
				3	4200	120.1	69.5		17.3	8.5		8	0	0	0.0		25.8	0.0	NR	NR
				4	0	0.0	0.0		25.8			9	0	0	0.0		25.8	0.0	NR	NR
				5	3300	94.4	62.5		19.8	6.0		10	10000	50	48.3		28.9	1.5	NR	NR
8/22/2013	18:53	25.8	2	6	1700	48.6	26.5	120.2	16.3	9.5	3	11	0	0	0.0	130.7	25.8	0.0	NR	NR
				7	2678	76.6	46.8		18.3	7.5		12	0	0	0.0		25.8	0.0	NR	NR
				8	0	0.0	0.0		25.8	0.0		13	11000	55	62.5		34.0	4.0	NR	NR
				9	0	0.0	0.0		25.8	0.0		14	12000	60	68.2		34.0	4.0	NR	NR
				10	2678	76.6	46.8		18.3	7.5		15	0	0	0.0		25.8	0.0	NR	NR
8/22/2013	9:03	25.8	3	11	0	0.0	0.0	77.4	25.8	0.0	1	1	8500	43	42.5	155.0	29.9	2.0	NR	NR
				12	0	0.0	0.0		25.8	0.0		2	8500	43	42.5		29.9	2.0	NR	NR
				13	3521	100.7	36.3		10.8	15.0		3	8500	43	42.5		29.9	2.0	NR	NR
				14	3800	108.7	41.0		11.3	14.5		4	0	0	0.0		25.8	0.0	NR	NR
				15	0	0.0	0.0		25.8	0.0		5	5500	28	27.5		29.9	2.0	NR	NR
9/7/2013	8:11	26.0	1	1	3200	91.5	56.4	212.7	18.5	7.5	2	6	9000	45	45.3	151.0	30.1	2.0	NR	NR
				2	1500	42.9	25.0		17.5	8.5		7	12000	60	60.4		30.1	2.0	NR	NR
				3	4000	114.4	68.6		18.0	8.0		8	0	0	0.0		26.0	0.0	NR	NR
				4	0	0.0	0.0		26.0			9	0	0	0.0		26.0	0.0	NR	NR
				5	3200	91.5	62.6		20.5	5.5		10	9000	45	45.3		30.1	2.0	NR	NR
9/6/2013	8:54	25.9	2	6	2600	74.4	49.5	133.7	19.9	6.0	3	11	0	0	0.0	127.1	25.9	0.0	NR	NR
				7	3155	90.2	51.0		16.9	9.0		12	0	0	0.0		25.9	0.0	NR	NR
				8	0	0.0	0.0		25.9	0.0		13	11000	55	62.7		34.1	4.0	NR	NR
				9	0	0.0	0.0		25.9	0.0		14	12000	60	64.4		32.1	3.0	NR	NR
				10	2500	71.5	33.2		13.9	12.0		15	0	0	0.0		25.9	0.0	NR	NR
9/7/2013	12:30	25.8	3	11	0	0.0	0.0	92.3	25.8	0.0	1	1	8500	43	39.7	137.8	27.9	1.0	NR	NR
				12	0	0.0	0.0		25.8	0.0		2	7500	38	35.0		27.9	1.0	NR	NR
				13	3376	96.6	38.7		12.0	14.0		3	8500	43	39.7		27.9	1.0	NR	NR
				14	3500	100.1	53.5		16.0	10.0		4	0	0	0.0		25.8	0.0	NR	NR
				15	0	0.0	0.0		25.8	0.0		5	5000	25	23.4		27.9	1.0	NR	NR
9/24/2013	20:28	25.9	1	1	4200	120.1	75.9	242.1	18.9	7.0	2	6	9500	48	47.7	153.1	30.0	2.0	NR	NR
				2	1600	45.8	29.7		19.4	6.5		7	12000	60	60.2		30.0	2.0	NR	NR
				3	3500	100.1	64.9		19.4	6.5		8	0	0	0.0		25.9	0.0	NR	NR
				4	0	0.0	0.0		25.9	0.0		9	0	0	0.0		25.9	0.0	NR	NR
				5	3500	100.1	71.6		21.4	4.5		10	9000	45	45.2		30.0	2.0	NR	NR
9/25/2013	12:36	26.0	2	6	2900	82.9	47.1	114.9	17.0	9.0	3	11	0	0	0.0	132.3	26.0	0.0	NR	NR
				7	3314	94.8	52.3		16.5	9.5		12	0	0	0.0		26.0	0.0	NR	NR
				8	0	0.0	0.0		26.0	0.0		13	11000	55	62.9		34.2	4.0	NR	NR
				9	0	0.0	0.0		26.0	0.0		14	12500	63	69.4		33.2	3.5	NR	NR
				10	1200	34.3	15.5		13.5	12.5		15	0	0	0.0		26.0	0.0	NR	NR
9/24/2013	15:29	25.9	3	11	0	0.0	0.0	94.0	25.9	0.0	1	1	8600	43	43.0	153.0	29.9	2.0	NR	NR
				12	0	0.0	0.0		25.9	0.0		2	8500	43	42.5		29.9	2.0	NR	NR
				13	2725	77.9	42.7		16.4	9.5		3	8500	43	42.5		29.9	2.0	NR	NR
				14	3600	103.0	51.3		14.9	11.0		4	0	0	0.0		25.8	0.0	NR	NR
				15	0	0.0	0.0		25.9	0.0		5	5000	25	25.0		29.9	2.0	NR	NR

TABLE 1
SVE/SPARGE MANIFOLD DATA SUMMARY

DATE	TIME	Barometric Pressure (1)	Soil Vapor Extraction (SVE) Manifold								Atmospheric Air Injection (AAI) Manifold								Drop Tubes	
			Circuit	SVE Well	V (3)	Q (5)			Pabsolute (9)	ΔP (11)	Circuit	Sparge Well	V (3)	Q (5)			Pabsolute (9)	ΔP	Drop Tube Well (14)	Q (5)
		inHg (2)			FPM (4)	ACFM (6)	SCFM (7)	TOTAL SCFM (8)	inHg (10)	inHg (10)			FPM (4)	ACFM (6)	SCFM (7)	SCFM (8)	inHg (10)	PSID (12)		CFM 15)
7/14/2014	19:56	25.9	1	1	2200	63.0	34.6	153.5	16.3	9.5	1	1	0	0	0.0	0.0	25.8	0.0	NR	NR
				2	2200	63.0	30.4		14.3	11.5		2	0	0	0.0		25.8	0.0	NR	NR
				3	2100	60.1	41.0		20.3	5.5		3	0	0	0.0		25.8	0.0	NR	NR
				4	1000	28.7	12.9		13.3	12.5		4	0	0	0.0		25.8	0.0	NR	NR
				5	2200	63.0	34.6		16.3	9.5		5	0	0	0.0		25.8	0.0	NR	NR
7/15/2014	20:35	25.7	2	6	1600	45.8	31.0	101.2	20.3	5.5	1	1	6500	33	29.3	142.7	26.9	0.5	NR	NR
				7	1500	43.0	28.4		19.8	6.0		2	6000	30	27.0		26.9	0.5	NR	NR
				8	700	20.1	7.9		11.8	14.0		3	6000	30	27.0		26.9	0.5	NR	NR
				9	600	17.2	6.8		11.8	14.0		4	6500	33	30.4		27.9	1.0	NR	NR
				10	1600	45.8	27.1		17.8	8.0		5	6000	30	29.0		28.9	1.5	NR	NR
7/16/2014	20:20	25.7	3	11	1300	37.2	14.6	155.2	11.8	14.0	2	6	5500	28	27.5	163.6	29.9	2.0	NR	NR
				12	1400	40.1	17.1		12.8	13.0		7	7000	35	37.5		32.0	3.0	NR	NR
				13	2700	77.3	47.1		18.3	7.5		8	6500	33	35.9		33.0	3.5	NR	NR
				14	2500	71.6	37.6		15.8	10.0		9	5000	25	26.8		32.0	3.0	NR	NR
				15	2288	65.5	38.8		17.8	8.0		10	6500	33	35.9		33.0	3.5	NR	NR
7/27/2014	16:20	25.9	3	11	1500	43.0	27.2	469.2	18.8	7.0	1	1	6000	30	27.0	136.0	26.9	0.5	NR	NR
				12	1000	28.7	18.7		19.3	6.5		2	5500	28	24.8		26.9	0.5	NR	NR
				13	2000	57.3	41.0		21.3	4.5		3	5500	28	24.8		26.9	0.5	NR	NR
				14	18000	514.9	351.1		20.3	5.5		4	6500	33	30.4		27.9	1.0	NR	NR
				15	1486	42.6	31.2		21.8	4.0		5	6000	30	29.0		28.9	1.5	NR	NR
7/28/2014	15:25	25.9	1	1	2000	57.3	40.1	160.8	20.8	5.0	3	11	8000	40	38.7	141.1	28.9	1.5	NR	NR
				2	1500	43.0	29.4		20.3	5.5		12	5000	25	23.4		27.9	1.0	NR	NR
				3	1500	43.0	32.2		22.3	3.5		13	5000	25	24.2		28.9	1.5	NR	NR
				4	1300	37.2	24.2		19.3	6.5		14	5000	25	23.4		27.9	1.0	NR	NR
				5	1700	48.7	34.9		21.3	4.5		15	6500	33	31.4		28.9	1.5	NR	NR
7/29/2014	14:58	25.9	2	6	1400	40.1	26.7	116.2	19.8	6.0	3	11	8000	40	38.7	141.1	28.9	1.5	NR	NR
				7	1500	43.0	32.2		22.3	3.5		12	5000	25	23.4		27.9	1.0	NR	NR
				8	1000	28.7	12.9		13.3	12.5		13	5000	25	24.2		28.9	1.5	NR	NR
				9	1000	28.7	14.3		14.8	11.0		14	5000	25	23.4		27.9	1.0	NR	NR
				10	1500	43.0	30.1		20.8	5.0		15	6500	33	31.4		28.9	1.5	NR	NR
8/10/2014	15:45	25.9	3	11	1500	43.0	27.1	146.8	18.8	7.0	1	1	6000	30	27.0	140.6	26.9	0.5	NR	NR
				12	1000	28.7	18.6		19.3	6.5		2	5500	28	24.8		26.9	0.5	NR	NR
				13	2000	57.3	40.8		21.3	4.5		3	5500	28	24.8		26.9	0.5	NR	NR
				14	1500	43.0	29.2		20.3	5.5		4	7500	38	35.0		27.9	1.0	NR	NR
				15	1486	42.6	31.1		21.8	4.0		5	6000	30	29.0		28.9	1.5	NR	NR
8/11/2014	15:32	25.9	1	1	2000	57.3	39.9	152.6	20.8	5.0	3	11	8000	40	37.3	137.0	27.9	1.0	NR	NR
				2	1200	34.4	23.4		20.3	5.5		12	5000	25	23.4		27.9	1.0	NR	NR
				3	1200	34.4	25.7		22.3	3.5		13	5000	25	23.4		27.9	1.0	NR	NR
				4	1200	34.4	22.8		19.8	6.0		14	5000	25	22.5		26.9	0.5	NR	NR
				5	2000	57.3	40.8		21.3	4.5		15	6500	33	30.4		27.9	1.0	NR	NR
8/12/2014	16:15	25.9	2	6	1100	31.5	20.9	399.3	19.8	6.0	1	1	6000	30	27.0	139.5	26.9	0.5	NR	NR
				7	1000	28.7	21.4		22.3	3.5		2	5500	28	24.8		26.9	0.5	NR	NR
				8	1000	28.7	10.4		10.8	15.0		3	5500	28	24.8		26.9	0.5	NR	NR
				9	1000	28.7	8.5		8.8	17.0		4	6500	33	30.4		27.9	1.0	NR	NR
				10	17000	486.3	338.1		20.8	5.0		5	6500	33	32.5		29.9	2.0	NR	NR
8/24/2014	16:28	25.7	2	6	1600	45.8	30.4	125.9	19.8	6.0	3	11	7000	35	33.9	139.9	28.9	1.5	NR	NR
				7	1500	43.0	31.4		21.8	4.0		12	4500	23	21.8		28.9	1.5	NR	NR
				8	1000	28.7	11.4		11.8	14.0		13	5000	25	24.2		28.9	1.5	NR	NR
				9	1000	28.7	12.8		13.3	12.5		14	4500	23	20.3		26.9	0.5	NR	NR
				10	2000	57.3	39.9		20.8	5.0		15	8500	43	39.7		27.9	1.0	NR	NR
8/25/2014	16:32	25.8	1	1	2400	68.7	44.4	194.8	19.3	6.5	3	11	7000	35	33.9	142.1	28.9	1.5	NR	NR
				2	1800	51.5	29.0		16.8	9.0		12	4000	20	19.4		28.9	1.5	NR	NR
				3	2000	57.3	39.9		20.8	5.0		13	5000	25	24.2		28.9	1.5	NR	NR
				4	2000	57.3	30.3		15.8	10.0		14	4500	23	20.3		26.9	0.5	NR	NR
				5	2700	77.3	51.2		19.8	6.0		15	9500	48	44.3		27.9	1.0	NR	NR

TABLE 1
SVE/SPARGE MANIFOLD DATA SUMMARY

DATE	TIME	Barometric Pressure (1)	Soil Vapor Extraction (SVE) Manifold								Atmospheric Air Injection (AAI) Manifold								Drop Tubes	
			Circuit	SVE Well	V (3)	Q (5)			Pabsolute (9)	ΔP (11)	Circuit	Sparge Well	V (3)	Q (5)			Pabsolute (9)	ΔP	Drop Tube Well (14)	Q (5)
		inHg (2)			FPM (4)	ACFM (6)	SCFM (7)	TOTAL SCFM (8)	inHg (10)	inHg (10)			FPM (4)	ACFM (6)	SCFM (7)	SCFM (8)	inHg (10)	PSID (12)		CFM 15)
8/26/2014	15:16	25.8	3	11	1800	51.5	27.2	166.5	15.8	10.0	2	6	4000	20	18.7	136.9	27.9	1.0	NR	NR
				12	1400	40.1	19.9		14.8	11.0		7	6000	30	29.0		28.9	1.5	NR	NR
				13	2700	77.3	49.9		19.3	6.5		8	7000	35	35.0		29.9	2.0	NR	NR
				14	2400	68.7	37.5		16.3	9.5		9	5000	25	24.2		28.9	1.5	NR	NR
				15	1686	48.3	32.0		19.8	6.0		10	6000	30	30.0		29.9	2.0	NR	NR
9/7/2014	15:09	25.9	2	6	1500	43.0	28.5	115.7	19.8	6.0	3	11	7000	35	33.9	102.5	28.9	1.5	NR	NR
				7	1500	43.0	32.8		22.8	3.0		12	4000	20	19.4		28.9	1.5	NR	NR
				8	1000	28.7	9.9		10.3	15.5		13	5000	25	24.2		28.9	1.5	NR	NR
				9	1000	28.7	9.0		9.3	16.5		14	4500	23	20.3		26.9	0.5	NR	NR
				10	1700	48.7	35.5		21.8	4.0		15	1000	5	4.7		27.9	1.0	NR	NR
9/8/2014	15:25	25.8	3	11	2000	57.3	26.5	161.3	13.8	12.0	2	6	4000	20	18.7	136.7	27.9	1.0	NR	NR
				12	1300	37.2	17.8		14.3	11.5		7	6000	30	28.0		27.9	1.0	NR	NR
				13	2700	77.3	48.6		18.8	7.0		8	7000	35	33.9		28.9	1.5	NR	NR
				14	2300	65.8	34.8		15.8	10.0		9	6500	33	30.4		27.9	1.0	NR	NR
				15	1686	48.3	33.6		20.8	5.0		10	5500	28	25.7		27.9	1.0	NR	NR
9/9/2014	13:48	25.8	1	1	2600	74.4	48.0	193.4	19.3	6.5	2	6	4000	20	18.7	136.7	27.9	1.0	NR	NR
				2	1900	54.4	30.6		16.8	9.0		7	6000	30	28.0		27.9	1.0	NR	NR
				3	2000	57.3	39.9		20.8	5.0		8	7000	35	33.9		28.9	1.5	NR	NR
				4	2000	57.3	29.4		15.3	10.5		9	6500	33	30.4		27.9	1.0	NR	NR
				5	2400	68.7	45.5		19.8	6.0		10	5500	28	25.7		27.9	1.0	NR	NR
9/21/2014	15:50	25.8	1	1	2600	74.4	48.0	193.4	19.3	6.5	3	11	7000	35	33.9	102.5	28.9	1.5	NR	NR
				2	1900	54.4	30.6		16.8	9.0		12	4000	20	19.4		28.9	1.5	NR	NR
				3	2000	57.3	39.9		20.8	5.0		13	5000	25	24.2		28.9	1.5	NR	NR
				4	2000	57.3	29.4		15.3	10.5		14	4500	23	20.3		26.9	0.5	NR	NR
				5	2400	68.7	45.5		19.8	6.0		15	1000	5	4.7		27.9	1.0	NR	NR
9/22/2014	16:00	25.8	2	6	1500	43.0	28.5	115.7	19.8	6.0	1	1	6000	30	27.0	136.0	26.9	0.5	NR	NR
				7	1500	43.0	32.8		22.8	3.0		2	5500	28	24.8		26.9	0.5	NR	NR
				8	1000	28.7	9.9		10.3	15.5		3	5500	28	24.8		26.9	0.5	NR	NR
				9	1000	28.7	9.0		9.3	16.5		4	6500	33	30.4		27.9	1.0	NR	NR
				10	1700	48.7	35.5		21.8	4.0		5	6000	30	29.0		28.9	1.5	NR	NR
9/23/2014	15:59	25.8	3	11	2000	57.3	26.5	161.3	13.8	12.0	1	1	6000	30	27.0	136.0	26.9	0.5	NR	NR
				12	1300	37.2	17.8		14.3	11.5		2	5500	28	24.8		26.9	0.5	NR	NR
				13	2700	77.3	48.6		18.8	7.0		3	5500	28	24.8		26.9	0.5	NR	NR
				14	2300	65.8	34.8		15.8	10.0		4	6500	33	30.4		27.9	1.0	NR	NR
				15	1686	48.3	33.6		20.8	5.0		5	6000	30	29.0		28.9	1.5	NR	NR
10/5/2014	15:00	25.7	3	11	1900	54.4	26.0	161.7	14.3	11.5	1	1	6000	30	27.0	130.4	26.9	0.5	NR	NR
				12	1500	43.0	20.6		14.3	11.5		2	5000	25	22.5		26.9	0.5	NR	NR
				13	2600	74.4	49.3		19.8	6.0		3	5000	25	22.5		26.9	0.5	NR	NR
				14	2300	65.8	34.8		15.8	10.0		4	7000	35	32.7		27.9	1.0	NR	NR
				15	1485	42.5	31.0		21.8	4.0		5	5500	28	25.7		27.9	1.0	NR	NR
10/6/2014	14:48	25.8	1	1	2600	74.4	46.8	203.9	18.8	7.0	1	11	7500	38	35.0	139.9	27.9	1.0	NR	NR
				2	2000	57.3	33.2		17.3	8.5		12	5000	25	24.2		28.9	1.5	NR	NR
				3	2000	57.3	40.8		21.3	4.5		13	5000	25	23.4		27.9	1.0	NR	NR
				4	2000	57.3	31.3		16.3	9.5		14	6500	33	29.3		26.9	0.5	NR	NR
				5	2600	74.4	51.8		20.8	5.0		15	6000	30	28.0		27.9	1.0	NR	NR
10/7/2014	13:45	25.8	2	6	1600	45.8	30.4	129.7	19.8	6.0	3	11	7500	38	35.0	142.3	27.9	1.0	NR	NR
				7	1500	43.0	32.8		22.8	3.0		12	5000	25	24.2		28.9	1.5	NR	NR
				8	1000	28.7	10.9		11.3	14.5		13	5000	25	23.4		27.9	1.0	NR	NR
				9	1000	28.7	12.8		13.3	12.5		14	6500	33	29.3		26.9	0.5	NR	NR
				10	2000	57.3	42.8		22.3	3.5		15	6500	33	30.4		27.9	1.0	NR	NR
10/18/2014	14:58	25.9	2	6	1600	45.8	30.4	129.7	19.8	6.0	3	11	7500	38	35.0	142.3	27.9	1.0	NR	NR
				7	1500	43.0	32.8		22.8	3.0		12	5000	25	24.2		28.9	1.5	NR	NR
				8	1000	28.7	10.9		11.3	14.5		13	5000	25	23.4		27.9	1.0	NR	NR
				9	1000	28.7	12.8		13.3	12.5		14	6500	33	29.3		26.9	0.5	NR	NR
				10	2000	57.3	42.8		22.3	3.5		15	6500	33	30.4		27.9	1.0	NR	NR

TABLE 1
SVE/SPARGE MANIFOLD DATA SUMMARY

DATE	TIME	Barometric Pressure (1)	Soil Vapor Extraction (SVE) Manifold								Atmospheric Air Injection (AAI) Manifold								Drop Tubes	
			Circuit	SVE Well	V (3)	Q (5)			Pabsolute (9)	ΔP (11)	Circuit	Sparge Well	V (3)	Q (5)			Pabsolute (9)	ΔP	Drop Tube Well (14)	Q (5)
		inHg (2)			FPM (4)	ACFM (6)	SCFM (7)	TOTAL SCFM (8)	inHg (10)	inHg (10)			FPM (4)	ACFM (6)	SCFM (7)	SCFM (8)	inHg (10)	PSID (12)		CFM 15)
10/19/2014	14:58	25.9	3	11	1900	54.4	26.0	168.0	14.3	11.5	2	6	4000	20	18.7	136.7	27.9	1.0	NR	NR
				12	1500	43.0	20.6		14.3	11.5		7	6000	30	28.0		27.9	1.0	NR	NR
				13	2600	74.4	48.0		19.3	6.5		8	7000	35	33.9		28.9	1.5	NR	NR
				14	2800	80.1	42.3		15.8	10.0		9	6500	33	30.4		27.9	1.0	NR	NR
				15	1486	42.6	31.1		21.8	4.0		10	5500	28	25.7		27.9	1.0	NR	NR
10/20/2014	13:31	25.9	1	1	2600	74.4	46.8	203.9	18.8	7.0	2	6	4000	20	18.7	134.4	27.9	1.0	NR	NR
				2	2000	57.3	33.2		17.3	8.5		7	6000	30	28.0		27.9	1.0	NR	NR
				3	2000	57.3	40.8		21.3	4.5		8	7000	35	33.9		28.9	1.5	NR	NR
				4	2000	57.3	31.3		16.3	9.5		9	6500	33	30.4		27.9	1.0	NR	NR
				5	2600	74.4	51.8		20.8	5.0		10	5000	25	23.4		27.9	1.0	NR	NR
11/2/2014	15:18	25.8	2	6	1900	54.4	36.0	135.3	19.8	6.0	1	1	6000	30	27.0	136.0	26.9	0.5	NR	NR
				7	1500	43.0	32.8		22.8	3.0		2	5500	28	24.8		26.9	0.5	NR	NR
				8	1000	28.7	10.9		11.3	14.5		3	5500	28	24.8		26.9	0.5	NR	NR
				9	1000	28.7	12.8		13.3	12.5		4	6500	33	30.4		27.9	1.0	NR	NR
				10	2000	57.3	42.8		22.3	3.5		5	6000	30	29.0		28.9	1.5	NR	NR
11/3/2014	14:44	25.9	3	11	1900	54.4	26.0	160.5	14.3	11.5	1	1	6000	30	27.0	136.0	26.9	0.5	NR	NR
				12	1500	43.0	20.6		14.3	11.5		2	5500	28	24.8		26.9	0.5	NR	NR
				13	2600	74.4	48.0		19.3	6.5		3	5500	28	24.8		26.9	0.5	NR	NR
				14	2300	65.8	34.8		15.8	10.0		4	6500	33	30.4		27.9	1.0	NR	NR
				15	1486	42.6	31.1		21.8	4.0		5	6000	30	29.0		28.9	1.5	NR	NR
11/4/2014	13:45	26.0	1	1	2600	74.4	46.8	203.9	18.8	7.0	3	11	7500	38	35.0	144.4	27.9	1.0	NR	NR
				2	2000	57.3	33.2		17.3	8.5		12	5000	25	24.2		28.9	1.5	NR	NR
				3	2000	57.3	40.8		21.3	4.5		13	5000	25	23.4		27.9	1.0	NR	NR
				4	2000	57.3	31.3		16.3	9.5		14	6500	33	31.4		28.9	1.5	NR	NR
				5	2600	74.4	51.8		20.8	5.0		15	6500	33	30.4		27.9	1.0	NR	NR
11/15/2014	15:15	26.0	3	11	1900	54.4	34.2	177.7	18.8	7.0	2	6	4000	20	18.7	134.4	27.9	1.0	NR	NR
				12	1500	43.0	24.9		17.3	8.5		7	5000	25	23.4		27.9	1.0	NR	NR
				13	2600	74.4	53.0		21.3	4.5		8	7000	35	33.9		28.9	1.5	NR	NR
				14	2300	65.8	35.9		16.3	9.5		9	6000	30	28.0		27.9	1.0	NR	NR
				15	1486	42.6	29.7		20.8	5.0		10	6500	33	30.4		27.9	1.0	NR	NR
11/16/2014	14:33	25.8	1	1	2600	74.4	46.8	203.4	18.8	7.0	3	11	7500	38	35.0	142.3	27.9	1.0	NR	NR
				2	2000	57.3	33.2		17.3	8.5		12	5000	25	24.2		28.9	1.5	NR	NR
				3	1900	54.4	38.8		21.3	4.5		13	5000	25	23.4		27.9	1.0	NR	NR
				4	2100	60.1	32.8		16.3	9.5		14	6500	33	29.3		26.9	0.5	NR	NR
				5	2600	74.4	51.8		20.8	5.0		15	6500	33	30.4		27.9	1.0	NR	NR
11/17/2014	13:50	25.8	2	6	1900	54.4	36.0	134.4	19.8	6.0	3	11	7500	38	35.0	142.3	27.9	1.0	NR	NR
				7	1400	40.1	30.6		22.8	3.0		12	5000	25	24.2		28.9	1.5	NR	NR
				8	1000	28.7	10.9		11.3	14.5		13	5000	25	23.4		27.9	1.0	NR	NR
				9	1100	31.5	14.1		13.3	12.5		14	6500	33	29.3		26.9	0.5	NR	NR
				10	2000	57.3	42.8		22.3	3.5		15	6500	33	30.4		27.9	1.0	NR	NR
11/28/2014	15:20	25.9	1	1	2600	74.4	46.8	203.4	18.8	7.0	3	11	7500	38	35.0	142.3	27.9	1.0	NR	NR
				2	2000	57.3	33.2		17.3	8.5		12	5000	25	24.2		28.9	1.5	NR	NR
				3	1900	54.4	38.8		21.3	4.5		13	5000	25	23.4		27.9	1.0	NR	NR
				4	2100	60.1	32.8		16.3	9.5		14	6500	33	29.3		26.9	0.5	NR	NR
				5	2600	74.4	51.8		20.8	5.0		15	6500	33	30.4		27.9	1.0	NR	NR
11/29/2014	14:39	25.9	2	6	1900	54.4	36.0	134.4	19.8	6.0	1	1	6000	30	27.0	136.0	26.9	0.5	NR	NR
				7	1400	40.1	30.6		22.8	3.0		2	5500	28	24.8		26.9	0.5	NR	NR
				8	1000	28.7	10.9		11.3	14.5		3	5500	28	24.8		26.9	0.5	NR	NR
				9	1100	31.5	14.1		13.3	12.5		4	6500	33	30.4		27.9	1.0	NR	NR
				10	2000	57.3	42.8		22.3	3.5		5	6000	30	29.0		28.9	1.5	NR	NR
11/30/2014	14:12	26.0	3	11	1900	54.4	26.0	161.2	14.3	11.5	1	1	6000	30	27.0	136.0	26.9	0.5	NR	NR
				12	1500	43.0	21.3		14.8	11.0		2	5500	28	24.8		26.9	0.5	NR	NR
				13	2600	74.4	48.0		19.3	6.5		3	5500	28	24.8		26.9	0.5	NR	NR
				14	2300	65.8	34.8		15.8	10.0		4	6500	33	30.4		27.9	1.0	NR	NR
				15	1486	42.6	31.1		21.8	4.0		5	6000	30	29.0		28.9	1.5	NR	NR

TABLE 1
SVE/SPARGE MANIFOLD DATA SUMMARY

DATE	TIME	Barometric Pressure (1)	Soil Vapor Extraction (SVE) Manifold								Atmospheric Air Injection (AAI) Manifold								Drop Tubes	
			Circuit	SVE Well	V (3)	Q (5)			Pabsolute (9)	ΔP (11)	Circuit	Sparge Well	V (3)	Q (5)			Pabsolute (9)	ΔP	Drop Tube Well (14)	Q (5)
		inHg (2)			FPM (4)	ACFM (6)	SCFM (7)	TOTAL SCFM (8)	inHg (10)	inHg (10)			FPM (4)	ACFM (6)	SCFM (7)	SCFM (8)	inHg (10)	PSID (12)		CFM 15)
12/15/2014	15:17	26.0	3	11	1900	54.4	26.0	161.2	14.3	11.5	1	1	6000	30	27.0	136.0	26.9	0.5	NR	NR
				12	1500	43.0	21.3		14.8	11.0		2	5500	28	24.8		26.9	0.5	NR	NR
				13	2600	74.4	48.0		19.3	6.5		3	5500	28	24.8		26.9	0.5	NR	NR
				14	2300	65.8	34.8		15.8	10.0		4	6500	33	30.4		27.9	1.0	NR	NR
				15	1486	42.6	31.1		21.8	4.0		5	6000	30	29.0		28.9	1.5	NR	NR
12/16/2014	15:43	26.0	1	1	2800	80.1	53.1	234.2	19.8	6.0	3	11	6000	30	29.0	142.7	28.9	1.5	NR	NR
				2	1900	54.4	31.5		17.3	8.5		12	5000	25	24.2		28.9	1.5	NR	NR
				3	2900	83.0	59.1		21.3	4.5		13	4500	23	21.8		28.9	1.5	NR	NR
				4	2000	57.3	30.3		15.8	10.0		14	6000	30	28.0		27.9	1.0	NR	NR
				5	3100	88.7	60.2		20.3	5.5		15	8500	43	39.7		27.9	1.0	NR	NR
12/17/2014	15:43	26.0	2	1	2800	80.1	53.1	234.2	19.8	6.0	3	11	6000	30	29.0	142.7	28.9	1.5	NR	NR
				2	1900	54.4	31.5		17.3	8.5		12	5000	25	24.2		28.9	1.5	NR	NR
				3	2900	83.0	59.1		21.3	4.5		13	4500	23	21.8		28.9	1.5	NR	NR
				4	2000	57.3	30.3		15.8	10.0		14	6000	30	28.0		27.9	1.0	NR	NR
				5	3100	88.7	60.2		20.3	5.5		15	8500	43	39.7		27.9	1.0	NR	NR
12/26/2014	16:38	25.8	2	6	1200	34.4	22.8	98.4	19.8	6.0	1	1	6000	30	27.0	136.0	26.9	0.5	NR	NR
				7	1500	43.0	34.3		23.8	2.0		2	5500	28	24.8		26.9	0.5	NR	NR
				8	1000	28.7	9.5		9.8	16.0		3	5500	28	24.8		26.9	0.5	NR	NR
				9	1000	28.7	10.4		10.8	15.0		4	6500	33	30.4		27.9	1.0	NR	NR
				10	1000	28.7	21.4		22.3	3.5		5	6000	30	29.0		28.9	1.5	NR	NR
12/27/2014	15:55	25.9	3	11	1900	54.4	26.0	160.6	14.3	11.5	2	6	4000	20	18.7	134.4	27.9	1.0	NR	NR
				12	1500	43.0	21.3		14.8	11.0		7	5000	25	23.4		27.9	1.0	NR	NR
				13	2500	71.6	47.4		19.8	6.0		8	7000	35	33.9		28.9	1.5	NR	NR
				14	2300	65.8	34.8		15.8	10.0		9	6000	30	28.0		27.9	1.0	NR	NR
				15	1486	42.6	31.1		21.8	4.0		10	6500	33	30.4		27.9	1.0	NR	NR
12/28/2014	13:46	26.2	1	1	2800	80.1	53.1	234.2	19.8	6.0	2	6	4000	20	18.7	134.4	27.9	1.0	NR	NR
				2	1900	54.4	31.5		17.3	8.5		7	5000	25	23.4		27.9	1.0	NR	NR
				3	2900	83.0	59.1		21.3	4.5		8	7000	35	33.9		28.9	1.5	NR	NR
				4	2000	57.3	30.3		15.8	10.0		9	6000	30	28.0		27.9	1.0	NR	NR
				5	3100	88.7	60.2		20.3	5.5		10	6500	33	30.4		27.9	1.0	NR	NR
1/11/2015	16:38	26.0	3	11	1900	54.4	26.0	160.6	14.3	11.5	1	1	6000	30	27.0	136.0	26.9	0.5	NR	NR
				12	1500	43.0	21.3		14.8	11.0		2	5500	28	24.8		26.9	0.5	NR	NR
				13	2500	71.6	47.4		19.8	6.0		3	5500	28	24.8		26.9	0.5	NR	NR
				14	2300	65.8	34.8		15.8	10.0		4	6500	33	30.4		27.9	1.0	NR	NR
				15	1486	42.6	31.1		21.8	4.0		5	6000	30	29.0		28.9	1.5	NR	NR
1/12/2015	14:55	26.0	1	1	2800	80.1	53.1	234.2	19.8	6.0	3	11	7500	38	35.0	138.9	27.9	1.0	NR	NR
				2	1900	54.4	31.5		17.3	8.5		12	5000	25	23.4		27.9	1.0	NR	NR
				3	2900	83.0	59.1		21.3	4.5		13	5000	25	24.2		28.9	1.5	NR	NR
				4	2000	57.3	30.3		15.8	10.0		14	6000	30	27.0		26.9	0.5	NR	NR
				5	3100	88.7	60.2		20.3	5.5		15	6500	33	29.3		26.9	0.5	NR	NR
1/13/2015	15:56	25.8	2	6	1200	34.4	22.8	98.4	19.8	6.0	3	11	7500	38	35.0	138.9	27.9	1.0	NR	NR
				7	1500	43.0	34.3		23.8	2.0		12	5000	25	23.4		27.9	1.0	NR	NR
				8	1000	28.7	9.5		9.8	16.0		13	5000	25	24.2		28.9	1.5	NR	NR
				9	1000	28.7	10.4		10.8	15.0		14	6000	30	27.0		26.9	0.5	NR	NR
				10	1000	28.7	21.4		22.3	3.5		15	6500	33	29.3		26.9	0.5	NR	NR
1/23/2015	16:32	26.0	3	11	2300	65.8	31.5	193.3	14.3	11.5	2	6	4000	20	18.7	134.4	27.9	1.0	NR	NR
				12	2700	77.3	37.0		14.3	11.5		7	5000	25	23.4		27.9	1.0	NR	NR
				13	2750	78.7	52.1		19.8	6.0		8	7000	35	33.9		28.9	1.5	NR	NR
				14	2500	71.6	39.1		16.3	9.5		9	6000	30	28.0		27.9	1.0	NR	NR
				15	1686	48.3	33.6		20.8	5.0		10	6500	33	30.4		27.9	1.0	NR	NR
1/24/2015	14:55	26.0	1	1	3400	97.3	64.4	230.9	19.8	6.0	2	6	4000	20	18.7	134.4	27.9	1.0	NR	NR
				2	1800	51.5	31.5		18.3	7.5		7	5000	25	23.4		27.9	1.0	NR	NR
				3	2600	74.4	53.0		21.3	4.5		8	7000	35	33.9		28.9	1.5	NR	NR
				4	2000	57.3	30.3		15.8	10.0		9	6000	30	28.0		27.9	1.0	NR	NR
				5	2800	80.1	51.7		19.3	6.5		10	6500	33	30.4		27.9	1.0	NR	NR

TABLE 1
SVE/SPARGE MANIFOLD DATA SUMMARY

DATE	TIME	Barometric Pressure (1)	Soil Vapor Extraction (SVE) Manifold								Atmospheric Air Injection (AAI) Manifold								Drop Tubes	
			Circuit	SVE Well	V (3)	Q (5)			Pabsolute (9)	ΔP (11)	Circuit	Sparge Well	V (3)	Q (5)			Pabsolute (9)	ΔP	Drop Tube Well (14)	Q (5)
		inHg (2)			FPM (4)	ACFM (6)	SCFM (7)	TOTAL SCFM (8)	inHg (10)	inHg (10)			FPM (4)	ACFM (6)	SCFM (7)	SCFM (8)	inHg (10)	PSID (12)		CFM 15)
1/25/2015	15:10	25.8	2	6	1100	31.5	20.9	111.6	19.8	6.0	1	1	6000	30	27.0	134.0	26.9	0.5	NR	NR
				7	1500	43.0	35.0		24.3	1.5		2	5500	28	24.8		26.9	0.5	NR	NR
				8	1000	28.7	9.5		9.8	16.0		3	5500	28	24.8		26.9	0.5	NR	NR
				9	1500	43.0	14.1		9.8	16.0		4	6500	33	30.4		27.9	1.0	NR	NR
				10	1500	43.0	32.1		22.3	3.5		5	6000	30	27.0		26.9	0.5	NR	NR
2/22/2015	16:20	26.0	3	11	1900	54.4	26.0	163.5	14.3	11.5	2	6	7500	38	35.0	140.0	27.9	1.0	NR	NR
				12	1500	43.0	20.6		14.3	11.5		7	5000	25	23.4		27.9	1.0	NR	NR
				13	2500	71.6	47.4		19.8	6.0		8	5000	25	24.2		28.9	1.5	NR	NR
				14	2300	65.8	35.9		16.3	9.5		9	6000	30	27.0		26.9	0.5	NR	NR
				15	1686	48.3	33.6		20.8	5.0		10	6500	33	30.4		27.9	1.0	NR	NR
2/23/2015	15:27	26.0	1	1	2800	80.1	53.1	233.1	19.8	6.0	2	6	4000	20	18.7	134.4	27.9	1.0	NR	NR
				2	1900	54.4	33.3		18.3	7.5		7	5000	25	23.4		27.9	1.0	NR	NR
				3	2900	83.0	59.1		21.3	4.5		8	7000	35	33.9		28.9	1.5	NR	NR
				4	2000	57.3	30.3		15.8	10.0		9	6000	30	28.0		27.9	1.0	NR	NR
				5	3100	88.7	57.3		19.3	6.5		10	6500	33	30.4		27.9	1.0	NR	NR
2/24/2015	14:54	25.8	2	6	1200	34.4	22.8	103.6	19.8	6.0	1	1	6000	30	27.0	134.0	26.9	0.5	NR	NR
				7	1500	43.0	34.3		23.8	2.0		2	5500	28	24.8		26.9	0.5	NR	NR
				8	1000	28.7	9.5		9.8	16.0		3	5500	28	24.8		26.9	0.5	NR	NR
				9	1500	43.0	15.6		10.8	15.0		4	6500	33	30.4		27.9	1.0	NR	NR
				10	1000	28.7	21.4		22.3	3.5		5	6000	30	27.0		26.9	0.5	NR	NR
3/9/2015	14:48	26.0	3	11	2300	65.8	31.5	193.3	14.3	11.5	1	1	6000	30	27.0	131.6	26.9	0.5	NR	NR
				12	2700	77.3	37.0		14.3	11.5		2	5500	28	24.8		26.9	0.5	NR	NR
				13	2750	78.7	52.1		19.8	6.0		3	5500	28	24.8		26.9	0.5	NR	NR
				14	2500	71.6	39.1		16.3	9.5		4	6000	30	28.0		27.9	1.0	NR	NR
				15	1686	48.3	33.6		20.8	5.0		5	6000	30	27.0		26.9	0.5	NR	NR
3/10/2015	15:32	26.0	1	1	3400	97.3	64.4	230.9	19.8	6.0	2	11	7500	38	35.0	141.0	27.9	1.0	NR	NR
				2	1800	51.5	31.5		18.3	7.5		12	5000	25	23.4		27.9	1.0	NR	NR
				3	2600	74.4	53.0		21.3	4.5		13	5000	25	24.2		28.9	1.5	NR	NR
				4	2000	57.3	30.3		15.8	10.0		14	6000	30	27.0		26.9	0.5	NR	NR
				5	2800	80.1	51.7		19.3	6.5		15	6500	33	31.4		28.9	1.5	NR	NR
3/11/2015	9:34	26.4	2	6	1100	31.5	20.9	104.4	19.8	6.0	2	11	7500	38	35.0	141.0	27.9	1.0	NR	NR
				7	1500	43.0	27.8		19.3	6.5		12	5000	25	23.4		27.9	1.0	NR	NR
				8	1000	28.7	9.5		9.8	16.0		13	5000	25	24.2		28.9	1.5	NR	NR
				9	1500	43.0	14.1		9.8	16.0		14	6000	30	27.0		26.9	0.5	NR	NR
				10	1500	43.0	32.1		22.3	3.5		15	6500	33	31.4		28.9	1.5	NR	NR
4/1/2015	15:13	26.4	2	6	1500	43.0	27.8	178.7	19.3	6.5	1	1	5000	25	22.5	109.8	26.9	0.5	NR	NR
				7	2000	57.3	32.2		16.8	9.0		2	4500	23	20.3		26.9	0.5	NR	NR
				8	1500	43.0	16.3		11.3	14.5		3	4500	23	20.3		26.9	0.5	NR	NR
				9	1800	51.5	19.5		11.3	14.5		4	5500	28	25.7		27.9	1.0	NR	NR
				10	3800	108.7	82.9		22.8	3.0		5	4500	23	21.0		27.9	1.0	NR	NR
4/2/2015	14:13	26.1	3	11	2200	63.0	29.1	201.7	13.8	12.0	1	1	5000	25	22.5	109.8	26.9	0.5	NR	NR
				12	3300	94.4	49.9		15.8	10.0		2	4500	23	20.3		26.9	0.5	NR	NR
				13	2700	77.3	51.2		19.8	6.0		3	4500	23	20.3		26.9	0.5	NR	NR
				14	2500	71.6	39.1		16.3	9.5		4	5500	28	25.7		27.9	1.0	NR	NR
				15	1586	45.4	32.4		21.3	4.5		5	4500	23	21.0		27.9	1.0	NR	NR
4/3/2015	9:54	26.2	1	1	2700	77.3	52.5	214.4	20.3	5.5	3	11	6000	30	27.0	94.9	26.9	0.5	NR	NR
				2	1800	51.5	29.8		17.3	8.5		12	2000	10	9.4		27.9	1.0	NR	NR
				3	1900	54.4	39.7		21.8	4.0		13	3000	15	13.5		26.9	0.5	NR	NR
				4	2000	57.3	32.2		16.8	9.0		14	5000	25	22.5		26.9	0.5	NR	NR
				5	3100	88.7	60.2		20.3	5.5		15	5000	25	22.5		26.9	0.5	NR	NR
12/14/2015	12:03	26.0	1	1	2200	63.0	38.6	158.3	18.3	7.5	3	11	0	0	0.0	0.0	25.8	0.0	NR	NR
				2	2100	60.1	32.8		16.3	9.5		12	0	0	0.0		25.8	0.0	NR	NR
				3	1400	40.1	27.9		20.8	5.0		13	0	0	0.0		25.8	0.0	NR	NR
				4	1200	34.4	21.1		18.3	7.5		14	0	0	0.0		25.8	0.0	NR	NR
				5	1900	54.4	37.9		20.8	5.0		15	0	0	0.0		25.8	0.0	NR	NR

TABLE 1
SVE/SPARGE MANIFOLD DATA SUMMARY

DATE	TIME	Barometric Pressure (1)	Soil Vapor Extraction (SVE) Manifold								Atmospheric Air Injection (AAI) Manifold								Drop Tubes	
			Circuit	SVE Well	V (3)	Q (5)			Pabsolute (9)	ΔP (11)	Circuit	Sparge Well	V (3)	Q (5)			Pabsolute (9)	ΔP	Drop Tube Well (14)	Q (5)
		inHg (2)			FPM (4)	ACFM (6)	SCFM (7)	TOTAL SCFM (8)	inHg (10)	inHg (10)			FPM (4)	ACFM (6)	SCFM (7)	SCFM (8)	inHg (10)	PSID (12)		CFM 15)
12/15/2015	15:15	26.0	2	6	1600	45.8	28.1	127.7	18.3	7.5	3	11	0	0	0.0	0.0	25.8	0.0	NR	NR
				7	1200	34.4	22.2		19.3	6.5		12	0	0	0.0		25.8	0.0	NR	NR
				8	1100	31.5	9.8		9.3	16.5		13	0	0	0.0		25.8	0.0	NR	NR
				9	2700	77.3	28.0		10.8	15.0		14	0	0	0.0		25.8	0.0	NR	NR
				10	2200	63.0	39.6		18.8	7.0		15	0	0	0.0		25.8	0.0	NR	NR
12/16/2015	11:12	26.0	3	11	2000	57.3	24.6	151.4	12.8	13.0	3	11	0	0	0.0	0.0	25.8	0.0	NR	NR
				12	1200	34.4	15.3		13.3	12.5		12	0	0	0.0		25.8	0.0	NR	NR
				13	2000	57.3	38.9		20.3	5.5		13	0	0	0.0		25.8	0.0	NR	NR
				14	1600	45.8	31.9		20.8	5.0		14	0	0	0.0		25.8	0.0	NR	NR
				15	2200	63.0	40.7		19.3	6.5		15	0	0	0.0		25.8	0.0	NR	NR
12/30/2015	16:31	26.2	2	6	1700	48.7	30.7	120.8	18.8	7.0	1	1	5500	28	24.8	108.9	26.9	0.5	NR	NR
				7	2200	63.0	44.9		21.3	4.5		2	4500	23	21.0		27.9	1.0	NR	NR
				8	1100	31.5	9.8		9.3	16.5		3	4500	23	21.0		27.9	1.0	NR	NR
				9	1200	34.4	11.9		10.3	15.5		4	2500	13	11.7		27.9	1.0	NR	NR
				10	1100	31.5	23.5		22.3	3.5		5	6500	33	30.4		27.9	1.0	NR	NR
12/31/2015	16:15	26.2	3	11	1700	48.7	20.9	166.8	12.8	13.0	1	1	5500	28	24.8	108.9	26.9	0.5	NR	NR
				12	2100	60.1	24.8		12.3	13.5		2	4500	23	21.0		27.9	1.0	NR	NR
				13	2200	63.0	43.8		20.8	5.0		3	4500	23	21.0		27.9	1.0	NR	NR
				14	2300	65.8	35.9		16.3	9.5		4	2500	13	11.7		27.9	1.0	NR	NR
				15	2300	65.8	41.4		18.8	7.0		5	6500	33	30.4		27.9	1.0	NR	NR
1/1/2016	14:32	26.5	1	1	3200	91.6	63.7	186.8	20.8	5.0	3	11	7000	35	32.7	119.2	27.9	1.0	NR	NR
				2	2100	60.1	34.8		17.3	8.5		12	2000	10	9.4		27.9	1.0	NR	NR
				3	2100	60.1	43.8		21.8	4.0		13	5000	25	23.4		27.9	1.0	NR	NR
				4	1200	34.4	21.1		18.3	7.5		14	4000	20	18.7		27.9	1.0	NR	NR
				5	1200	34.4	23.4		20.3	5.5		15	7500	38	35.0		27.9	1.0	NR	NR
1/13/2016	16:02	25.8	3	11	2200	63.0	27.0	127.8	12.8	13.0	2	6	2100	11	9.5	51.1	26.9	0.5	NR	NR
				12	1500	43.0	18.4		12.8	13.0		7	3400	17	15.9		27.9	1.0	NR	NR
				13	2200	63.0	42.8		20.3	5.5		8	2600	13	12.2		27.9	1.0	NR	NR
				14	0	0.0	0.0		25.8	0.0		9	1700	9	8.3		28.9	1.5	NR	NR
				15	2200	63.0	39.6		18.8	7.0		10	1100	6	5.2		27.9	1.0	NR	NR
1/14/2016	16:01	25.9	1	1	3400	97.3	67.7	257.9	20.8	5.0	3	11	7000	35	33.9	123.4	28.9	1.5	NR	NR
				2	2000	57.3	33.2		17.3	8.5		12	4500	23	21.0		27.9	1.0	NR	NR
				3	2100	60.1	41.8		20.8	5.0		13	5500	28	25.7		27.9	1.0	NR	NR
				4	3200	91.6	57.6		18.8	7.0		14	4500	23	20.3		26.9	0.5	NR	NR
				5	3200	91.6	57.6		18.8	7.0		15	5000	25	22.5		26.9	0.5	NR	NR
1/15/2016	13:26	25.9	2	6	1600	45.8	28.8	139.5	18.8	7.0	3	11	7000	35	33.9	123.4	28.9	1.5	NR	NR
				7	2400	68.7	45.5		19.8	6.0		12	4500	23	21.0		27.9	1.0	NR	NR
				8	1200	34.4	11.9		10.3	15.5		13	5500	28	25.7		27.9	1.0	NR	NR
				9	1200	34.4	11.9		10.3	15.5		14	4500	23	20.3		26.9	0.5	NR	NR
				10	2500	71.6	41.4		17.3	8.5		15	5000	25	22.5		26.9	0.5	NR	NR
1/27/2016	17:05	26.2	2	6	2400	68.7	40.9	180.5	17.8	8.0	3	11	0	0	0.0	0.0	25.8	0.0	NR	NR
				7	3400	97.3	74.2		22.8	3.0		12	0	0	0.0		25.8	0.0	NR	NR
				8	1000	28.7	18.1		18.8	7.0		13	0	0	0.0		25.8	0.0	NR	NR
				9	1500	43.0	28.5		19.8	6.0		14	0	0	0.0		25.8	0.0	NR	NR
				10	1100	31.5	18.8		17.8	8.0		15	0	0	0.0		25.8	0.0	NR	NR
1/28/2016	14:52	26.0	3	11	2200	63.0	25.9	151.8	12.3	13.5	3	11	0	0	0.0	0.0	25.8	0.0	NR	NR
				12	2200	63.0	27.0		12.8	13.0		12	0	0	0.0		25.8	0.0	NR	NR
				13	2400	68.7	26.0		11.3	14.5		13	0	0	0.0		25.8	0.0	NR	NR
				14	2300	65.8	35.9		16.3	9.5		14	0	0	0.0		25.8	0.0	NR	NR
				15	2300	65.8	37.0		16.8	9.0		15	0	0	0.0		25.8	0.0	NR	NR
1/29/20165	14:59	26.1	1	1	3200	91.6	62.2	204.2	20.3	5.5	3	11	0	0	0.0	0.0	25.8	0.0	NR	NR
				2	2200	63.0	36.5		17.3	8.5		12	0	0	0.0		25.8	0.0	NR	NR
				3	2400	68.7	47.8		20.8	5.0		13	0	0	0.0		25.8	0.0	NR	NR
				4	1600	45.8	28.1		18.3	7.5		14	0	0	0.0		25.8	0.0	NR	NR
				5	1600	45.8	29.6		19.3	6.5		15	0	0	0.0		25.8	0.0	NR	NR

TABLE 1
SVE/SPARGE MANIFOLD DATA SUMMARY

DATE	TIME	Barometric Pressure (1)	Soil Vapor Extraction (SVE) Manifold								Atmospheric Air Injection (AAI) Manifold								Drop Tubes	
			Circuit	SVE Well	V (3)	Q (5)			Pabsolute (9)	ΔP (11)	Circuit	Sparge Well	V (3)	Q (5)			Pabsolute (9)	ΔP	Drop Tube Well (14)	Q (5)
		inHg (2)			FPM (4)	ACFM (6)	SCFM (7)	TOTAL SCFM (8)	inHg (10)	inHg (10)			FPM (4)	ACFM (6)	SCFM (7)	SCFM (8)	inHg (10)	PSID (12)		CFM 15)
2/10/2016	17:52	26.1	3	11	2300	65.8	27.1	187.6	12.3	13.5	3	11	0	0	0.0	0.0	25.8	0.0	NR	NR
				12	3200	91.6	37.7		12.3	13.5		12	0	0	0.0		25.8	0.0	NR	NR
				13	2400	68.7	45.5		19.8	6.0		13	0	0	0.0		25.8	0.0	NR	NR
				14	2300	65.8	35.9		16.3	9.5		14	0	0	0.0		25.8	0.0	NR	NR
				15	2300	65.8	41.4		18.8	7.0		15	0	0	0.0		25.8	0.0	NR	NR
2/11/2016	17:01	26.1	1	1	3400	97.3	62.8	173.6	19.3	6.5	3	11	0	0	0.0	0.0	25.8	0.0	NR	NR
				2	1900	54.4	30.6		16.8	9.0		12	0	0	0.0		25.8	0.0	NR	NR
				3	2000	57.3	38.0		19.8	6.0		13	0	0	0.0		25.8	0.0	NR	NR
				4	1200	34.4	20.5		17.8	8.0		14	0	0	0.0		25.8	0.0	NR	NR
				5	1200	34.4	21.7		18.8	7.0		15	0	0	0.0		25.8	0.0	NR	NR
2/12/2016	15:45	26.2	2	6	2400	68.7	40.9	138.6	17.8	8.0	3	11	0	0	0.0	0.0	25.8	0.0	NR	NR
				7	3400	97.3	57.9		17.8	8.0		12	0	0	0.0		25.8	0.0	NR	NR
				8	1000	28.7	11.4		11.8	14.0		13	0	0	0.0		25.8	0.0	NR	NR
				9	1500	43.0	17.0		11.8	14.0		14	0	0	0.0		25.8	0.0	NR	NR
				10	1100	31.5	11.4		10.8	15.0		15	0	0	0.0		25.8	0.0	NR	NR
3/1/2016	15:38	26.1	2	6	2200	63.0	36.5	194.7	17.3	8.5	3	11	0	0	0.0	0.0	25.8	0.0	NR	NR
				7	3900	111.6	72.0		19.3	6.5		12	0	0	0.0		25.8	0.0	NR	NR
				8	1100	31.5	11.4		10.8	15.0		13	0	0	0.0		25.8	0.0	NR	NR
				9	1300	37.2	13.5		10.8	15.0		14	0	0	0.0		25.8	0.0	NR	NR
				10	3700	105.9	61.3		17.3	8.5		15	0	0	0.0		25.8	0.0	NR	NR
3/2/2016	15:51	26.0	3	11	1800	51.5	26.4	181.9	15.3	10.5	1	1	4000	20	18.7	87.4	27.9	1.0	NR	NR
				12	1600	45.8	21.9		14.3	11.5		2	3000	15	13.5		26.9	0.5	NR	NR
				13	3100	88.7	61.7		20.8	5.0		3	2800	14	13.1		27.9	1.0	NR	NR
				14	2200	63.0	31.2		14.8	11.0		4	4000	20	18.7		27.9	1.0	NR	NR
				15	2200	63.0	40.7		19.3	6.5		5	5000	25	23.4		27.9	1.0	NR	NR
3/3/2016	16:36	26.0	1	1	3200	91.6	61.3	243.3	19.8	6.0	3	11	6000	30	28.0	111.2	27.9	1.0	NR	NR
				2	2000	57.3	31.6		16.3	9.5		12	4000	20	18.7		27.9	1.0	NR	NR
				3	2000	57.3	40.3		20.8	5.0		13	5500	28	24.8		26.9	0.5	NR	NR
				4	3300	94.4	58.4		18.3	7.5		14	4000	20	18.7		27.9	1.0	NR	NR
				5	2700	77.3	51.7		19.8	6.0		15	4500	23	21.0		27.9	1.0	NR	NR
3/16/2016	17:51	25.9	2	6	3100	88.7	54.6	206.3	18.4	7.5	3	11	6500	33	30.5	136.0	28.0	1.0	NR	NR
				7	2800	80.1	56.0		20.9	5.0		12	4500	23	21.1		28.0	1.0	NR	NR
				8	1200	34.4	13.7		11.9	14.0		13	6000	30	28.1		28.0	1.0	NR	NR
				9	1000	28.7	11.5		11.9	14.0		14	5500	28	25.8		28.0	1.0	NR	NR
				10	3800	108.7	70.5		19.4	6.5		15	6500	33	30.5		28.0	1.0	NR	NR
3/17/2016	17:32	25.8	3	11	2300	65.8	34.8	164.4	15.8	10.0	2	6	5500	28	25.7	140.2	27.9	1.0	NR	NR
				12	1000	28.7	15.2		15.8	10.0		7	5000	25	23.4		27.9	1.0	NR	NR
				13	2300	65.8	45.8		20.8	5.0		8	8500	43	39.7		27.9	1.0	NR	NR
				14	3200	91.6	50.0		16.3	9.5		9	5500	28	25.7		27.9	1.0	NR	NR
				15	1000	28.7	18.6		19.3	6.5		10	5500	28	25.7		27.9	1.0	NR	NR
3/18/2016	14:25	26.1	1	1	3100	88.7	61.1	210.8	20.6	5.5	2	6	5500	28	26.0	141.7	28.2	1.0	NR	NR
				2	2000	57.3	32.8		17.1	9.0		7	5000	25	23.6		28.2	1.0	NR	NR
				3	2100	60.1	42.4		21.1	5.0		8	8500	43	40.1		28.2	1.0	NR	NR
				4	1800	51.5	32.1		18.6	7.5		9	5500	28	26.0		28.2	1.0	NR	NR
				5	2200	63.0	42.4		20.1	6.0		10	5500	28	26.0		28.2	1.0	NR	NR
3/30/2016	20:05	25.9	1	1	2800	80.1	56.0	183.2	20.9	5.0	2	6	2800	14	13.2	102.2	28.0	1.0	NR	NR
				2	2000	57.3	34.3		17.9	8.0		7	2000	10	9.4		28.0	1.0	NR	NR
				3	2600	74.4	52.0		20.9	5.0		8	7000	35	32.8		28.0	1.0	NR	NR
				4	1200	34.4	21.8		18.9	7.0		9	5000	25	23.4		28.0	1.0	NR	NR
				5	1000	28.7	19.1		19.9	6.0		10	5000	25	23.4		28.0	1.0	NR	NR
3/31/2016	17:35	25.9	2	1	3100	88.7	54.6	210.8	18.4	7.5	1	1	5000	25	23.4	107.8	28.0	1.0	NR	NR
				2	2800	80.1	56.0		20.9	5.0		2	4500	23	21.1		28.0	1.0	NR	NR
				3	1200	34.4	13.7		11.9	14.0		3	4500	23	21.1		28.0	1.0	NR	NR
				4	1400	40.1	16.0		11.9	14.0		4	2500	13	11.7		28.0	1.0	NR	NR
				5	3800	108.7	70.5		19.4	6.5		5	6500	33	30.5		28.0	1.0	NR	NR

TABLE 1
SVE/SPARGE MANIFOLD DATA SUMMARY

DATE	TIME	Barometric Pressure (1)	Soil Vapor Extraction (SVE) Manifold								Atmospheric Air Injection (AAI) Manifold								Drop Tubes	
			Circuit	SVE Well	V (3)	Q (5)			Pabsolute (9)	ΔP (11)	Circuit	Sparge Well	V (3)	Q (5)			Pabsolute (9)	ΔP	Drop Tube Well (14)	Q (5)
		inHg (2)			FPM (4)	ACFM (6)	SCFM (7)	TOTAL SCFM (8)	inHg (10)	inHg (10)			FPM (4)	ACFM (6)	SCFM (7)	SCFM (8)	inHg (10)	PSID (12)		CFM 15)
4/1/2016	13:29	26.0	3	11	2300	65.8	35.2	166.2	16.0	10.0	1	1	5500	28	25.9	110.7	28.1	1.0	NR	NR
				12	1000	28.7	15.4		16.0	10.0		2	4500	23	21.2		28.1	1.0	NR	NR
				13	2300	65.8	46.2		21.0	5.0		3	4500	23	21.2		28.1	1.0	NR	NR
				14	3200	91.6	50.6		16.5	9.5		4	2500	13	11.8		28.1	1.0	NR	NR
				15	1000	28.7	18.8		19.5	6.5		5	6500	33	30.6		28.1	1.0	NR	NR
4/13/2016	19:29	25.8	3	11	2200	63.0	30.6	189.9	14.5	11.5	1	1	5500	28	25.9	110.7	28.1	1.0	NR	NR
				12	3200	91.6	46.0		15.0	11.0		2	4500	23	21.2		28.1	1.0	NR	NR
				13	2500	71.6	50.3		21.0	5.0		3	4500	23	21.2		28.1	1.0	NR	NR
				14	2800	80.1	44.2		16.5	9.5		4	2500	13	11.8		28.1	1.0	NR	NR
				15	1000	28.7	18.8		19.5	6.5		5	6500	33	30.6		28.1	1.0	NR	NR
4/14/2016	17:52	25.8	1	1	2800	80.1	54.4	204.3	20.3	5.5	3	11	8500	43	39.7	104.7	27.9	1.0	NR	NR
				2	2000	57.3	32.2		16.8	9.0		12	4500	23	21.0		27.9	1.0	NR	NR
				3	2000	57.3	39.9		20.8	5.0		13	3000	15	14.0		27.9	1.0	NR	NR
				4	1300	37.2	23.4		18.8	7.0		14	2000	10	9.0		26.9	0.5	NR	NR
				5	2800	80.1	54.4		20.3	5.5		15	4500	23	21.0		27.9	1.0	NR	NR
4/15/2016	14:34	25.8	2	6	2800	80.1	51.7	193.8	19.3	6.5	3	11	8500	43	39.7	104.7	27.9	1.0	NR	NR
				7	2500	71.6	48.6		20.3	5.5		12	4500	23	21.0		27.9	1.0	NR	NR
				8	1000	28.7	11.8		12.3	13.5		13	3000	15	14.0		27.9	1.0	NR	NR
				9	1000	28.7	11.8		12.3	13.5		14	2000	10	9.0		26.9	0.5	NR	NR
				10	3600	103.0	69.9		20.3	5.5		15	4500	23	21.0		27.9	1.0	NR	NR
4/27/2016	18:09	25.8	2	6	1800	51.5	30.7	170.5	17.8	8.0	3	11	6000	30	28.0	134.6	27.9	1.0	NR	NR
				7	2700	77.3	52.5		20.3	5.5		12	5000	25	23.4		27.9	1.0	NR	NR
				8	1200	34.4	14.2		12.3	13.5		13	6000	30	28.0		27.9	1.0	NR	NR
				9	1000	28.7	11.8		12.3	13.5		14	5300	27	24.8		27.9	1.0	NR	NR
				10	3500	100.2	61.3		18.3	7.5		15	6500	33	30.4		27.9	1.0	NR	NR
4/28/2016	14:42	25.6	3	11	2000	57.3	28.0	181.1	14.6	11.0	2	6	4000	20	18.6	114.1	27.7	1.0	NR	NR
				12	3400	97.3	49.2		15.3	10.5		7	5000	25	23.2		27.7	1.0	NR	NR
				13	2100	60.1	42.4		21.1	4.5		8	7000	35	33.6		28.7	1.5	NR	NR
				14	2600	74.4	42.6		17.1	8.5		9	4000	20	18.6		27.7	1.0	NR	NR
				15	1000	28.7	18.9		19.6	6.0		10	4500	23	20.1		26.7	0.5	NR	NR
4/29/2016	14:23	25.8	1	1	2600	74.4	50.5	180.7	20.3	5.5	2	6	4000	20	18.7	116.8	27.9	1.0	NR	NR
				2	2100	60.1	33.8		16.8	9.0		7	5000	25	23.4		27.9	1.0	NR	NR
				3	2700	77.3	51.2		19.8	6.0		8	7500	38	35.0		27.9	1.0	NR	NR
				4	1400	40.1	25.2		18.8	7.0		9	4000	20	18.7		27.9	1.0	NR	NR
				5	1000	28.7	20.0		20.8	5.0		10	4500	23	21.0		27.9	1.0	NR	NR
5/18/2016	16:42	25.9	3	11	2300	65.8	35.0	204.7	15.9	10.0	1	1	5500	28	24.9	121.0	27.0	0.5	NR	NR
				12	2400	68.7	36.6		15.9	10.0		2	4500	23	21.1		28.0	1.0	NR	NR
				13	3200	91.6	57.9		18.9	7.0		3	4500	23	21.1		28.0	1.0	NR	NR
				14	3100	88.7	56.1		18.9	7.0		4	5500	28	25.8		28.0	1.0	NR	NR
				15	1000	28.7	19.1		19.9	6.0		5	6000	30	28.1		28.0	1.0	NR	NR
5/19/2016	15:29	25.8	1	1	2800	80.1	55.7	244.9	20.8	5.0	3	11	8000	40	37.3	92.7	27.9	1.0	NR	NR
				2	2000	57.3	35.1		18.3	7.5		12	4000	20	18.7		27.9	1.0	NR	NR
				3	3000	85.9	58.3		20.3	5.5		13	3000	15	14.0		27.9	1.0	NR	NR
				4	4000	114.5	75.8		19.8	6.0		14	4000	20	18.0		26.9	0.5	NR	NR
				5	1000	28.7	20.0		20.8	5.0		15	1000	5	4.7		27.9	1.0	NR	NR
5/20/2016	14:42	25.8	2	6	2000	57.3	35.1	168.6	18.3	7.5	3	11	8000	40	37.3	103.8	27.9	1.0	NR	NR
				7	3600	103.0	64.8		18.8	7.0		12	4000	20	18.7		27.9	1.0	NR	NR
				8	1200	34.4	14.2		12.3	13.5		13	3000	15	14.0		27.9	1.0	NR	NR
				9	1000	28.7	12.3		12.8	13.0		14	3000	15	13.5		26.9	0.5	NR	NR
				10	2700	77.3	42.2		16.3	9.5		15	4500	23	20.3		26.9	0.5	NR	NR
5/31/2016	16:37	25.8	1	1	2400	68.7	45.5	226.3	19.8	6.0	3	11	8000	40	36.0	102.4	26.9	0.5	NR	NR
				2	2000	57.3	33.2		17.3	8.5		12	4000	20	18.0		26.9	0.5	NR	NR
				3	3000	85.9	58.3		20.3	5.5		13	4000	20	18.0		26.9	0.5	NR	NR
				4	1500	43.0	27.1		18.8	7.0		14	2500	13	11.7		27.9	1.0	NR	NR
				5	3200	91.6	62.2		20.3	5.5		15	4000	20	18.7		27.9	1.0	NR	NR

TABLE 1
SVE/SPARGE MANIFOLD DATA SUMMARY

DATE	TIME	Barometric Pressure (1)	Soil Vapor Extraction (SVE) Manifold								Atmospheric Air Injection (AAI) Manifold								Drop Tubes	
			Circuit	SVE Well	V (3)	Q (5)			Pabsolute (9)	ΔP (11)	Circuit	Sparge Well	V (3)	Q (5)			Pabsolute (9)	ΔP	Drop Tube Well (14)	Q (5)
		inHg (2)			FPM (4)	ACFM (6)	SCFM (7)	TOTAL SCFM (8)	inHg (10)	inHg (10)			FPM (4)	ACFM (6)	SCFM (7)	SCFM (8)	inHg (10)	PSID (12)		CFM 15)
6/1/2016	17:45	26.0	2	6	2000	57.3	32.5	171.6	17.0	9.0	3	11	8000	40	36.1	91.5	27.0	0.5	NR	NR
				7	3600	103.0	65.3		19.0	7.0		12	4000	20	18.1		27.0	0.5	NR	NR
				8	1200	34.4	14.9		13.0	13.0		13	2000	10	9.4		28.0	1.0	NR	NR
				9	1000	28.7	13.0		13.5	12.5		14	2000	10	9.1		27.0	0.5	NR	NR
				10	2600	74.4	45.9		18.5	7.5		15	4000	20	18.8		28.0	1.0	NR	NR
6/2/2016	15:38	25.8	3	11	2000	57.3	30.3	194.7	15.8	10.0	2	6	3000	15	14.0	107.0	27.9	1.0	NR	NR
				12	3000	85.9	46.8		16.3	9.5		7	5000	25	22.5		26.9	0.5	NR	NR
				13	3000	85.9	55.5		19.3	6.5		8	7000	35	31.5		26.9	0.5	NR	NR
				14	2500	71.6	42.6		17.8	8.0		9	4000	20	18.7		27.9	1.0	NR	NR
				15	1000	28.7	19.5		20.3	5.5		10	4500	23	20.3		26.9	0.5	NR	NR
7/11/2018	21:06	26.2	3	11	2000	57.3	36.1	146.2	18.8	7.0	1	1	5000	25	23.4	97.3	27.9	1.0	NR	NR
				12	1500	43.0	28.5		19.8	6.0		2	4500	23	21.0		27.9	1.0	NR	NR
				13	2000	57.3	41.8		21.8	4.0		3	4000	20	18.7		27.9	1.0	NR	NR
				14	900	25.8	18.8		21.8	4.0		4	2000	10	9.4		27.9	1.0	NR	NR
				15	1000	28.7	21.0		21.8	4.0		5	5500	28	24.8		26.9	0.5	NR	NR
7/12/2018	12:10	25.7	1	1	2000	57.3	41.8	149.7	21.8	4.0	3	11	5000	25	23.4	110.2	27.9	1.0	NR	NR
				2	1400	40.1	29.3		21.8	4.0		12	2000	10	9.0		26.9	0.5	NR	NR
				3	1000	28.7	21.9		22.8	3.0		13	4500	23	21.8		28.9	1.5	NR	NR
				4	1000	28.7	20.0		20.8	5.0		14	4000	20	18.7		27.9	1.0	NR	NR
				5	1800	51.5	36.7		21.3	4.5		15	8000	40	37.3		27.9	1.0	NR	NR
7/13/2018	11:05	26.1	2	6	1300	37.2	22.8	131.3	18.3	7.5	3	11	7500	38	35.0	103.2	27.9	1.0	NR	NR
				7	2500	71.6	47.4		19.8	6.0		12	3000	15	14.0		27.9	1.0	NR	NR
				8	900	25.8	15.0		17.3	8.5		13	4500	23	21.8		28.9	1.5	NR	NR
				9	700	20.1	12.0		17.8	8.0		14	2000	10	9.0		26.9	0.5	NR	NR
				10	2000	57.3	34.1		17.8	8.0		15	5000	25	23.4		27.9	1.0	NR	NR
7/25/2018	19:18	26.0	2	6	1100	31.5	20.9	107.8	19.8	6.0	3	Not Recorded - Compressor Off							NR	NR
				7	2500	71.6	48.6		20.3	5.5									NR	NR
				8	500	14.4	8.6		17.8	8.0									NR	NR
				9	500	14.4	8.6		17.8	8.0									NR	NR
				10	1200	34.4	21.1		18.3	7.5									NR	NR
7/26/2018	20:20	26.1	3	11	1900	54.4	36.0	197.8	19.8	6.0	2	6	3000	15	14.0	95.7	27.9	1.0	NR	NR
				12	1000	28.7	20.0		20.8	5.0		7	6000	30	29.0		28.9	1.5	NR	NR
				13	2500	71.6	49.8		20.8	5.0		8	6000	30	29.0		28.9	1.5	NR	NR
				14	2200	63.0	46.0		21.8	4.0		9	3000	15	14.0		27.9	1.0	NR	NR
				15	2200	63.0	46.0		21.8	4.0		10	2000	10	9.7		28.9	1.5	NR	NR
7/27/2018	10:33	26.1	1	1	2000	57.3	44.7	151.8	23.3	2.5	2	6	3000	15	14.5	94.7	28.9	1.5	NR	NR
				2	1500	43.0	29.9		20.8	5.0		7	6000	30	28.0		27.9	1.0	NR	NR
				3	1000	28.7	22.4		23.3	2.5		8	6000	30	30.0		29.9	2.0	NR	NR
				4	1000	28.7	20.5		21.3	4.5		9	2000	10	9.7		28.9	1.5	NR	NR
				5	1500	43.0	34.3		23.8	2.0		10	2500	13	12.5		29.9	2.0	NR	NR
8/31/2018	19:43	26.0	3	11	1400	40.1	26.6	198.7	19.8	6.0	2	6	3000	15	14.5	116.0	28.9	1.5	NR	NR
				12	1200	34.4	26.3		22.8	3.0		7	6700	34	34.6		30.9	2.5	NR	NR
				13	2000	57.3	39.9		20.8	5.0		8	6200	31	34.2		33.0	3.5	NR	NR
				14	1200	34.4	26.3		22.8	3.0		9	3000	15	16.1		32.0	3.0	NR	NR
				15	4000	114.5	79.6		20.8	5.0		10	3000	15	16.6		33.0	3.5	NR	NR
9/1/2018	11:02	26.0	1	1	1800	51.5	36.7	123.8	21.3	4.5	2	6	3000	15	14.5	116.0	28.9	1.5	NR	NR
				2	1100	31.5	21.4		20.3	5.5		7	6700	34	34.6		30.9	2.5	NR	NR
				3	800	22.9	16.7		21.8	4.0		8	6200	31	34.2		33.0	3.5	NR	NR
				4	900	25.8	17.6		20.3	5.5		9	3000	15	16.1		32.0	3.0	NR	NR
				5	1500	43.0	31.4		21.8	4.0		10	3000	15	16.6		33.0	3.5	NR	NR
9/2/2018	12:19	26.2	2	6	1200	34.4	22.8	149.1	19.8	6.0	1	1	5500	28	24.8	113.7	26.9	0.5	NR	NR
				7	3100	88.7	63.2		21.3	4.5		2	5000	25	22.5		26.9	0.5	NR	NR
				8	900	25.8	14.5		16.8	9.0		3	6000	30	28.0		27.9	1.0	NR	NR
				9	1100	31.5	19.8		18.8	7.0		4	2000	10	9.4		27.9	1.0	NR	NR
				10	1600	45.8	28.8		18.8	7.0		5	6000	30	29.0		28.9	1.5	NR	NR

TABLE 1
SVE/SPARGE MANIFOLD DATA SUMMARY

DATE	TIME	Barometric Pressure (1)	Soil Vapor Extraction (SVE) Manifold								Atmospheric Air Injection (AAI) Manifold								Drop Tubes	
			Circuit	SVE Well	V (3)	Q (5)			Pabsolute (9)	ΔP (11)	Circuit	Sparge Well	V (3)	Q (5)			Pabsolute (9)	ΔP	Drop Tube Well (14)	Q (5)
		inHg (2)			FPM (4)	ACFM (6)	SCFM (7)	TOTAL SCFM (8)	inHg (10)	inHg (10)			FPM (4)	ACFM (6)	SCFM (7)	SCFM (8)	inHg (10)	PSID (12)		CFM 15)
9/27/2018	19:58	26.0	3	11	1800	51.5	35.9	171.3	20.8	5.0	2	6	4000	20	19.4	121.3	28.9	1.5	NR	NR
				12	1700	48.7	32.3		19.8	6.0		7	6200	31	32.1		30.9	2.5	NR	NR
				13	2200	63.0	43.8		20.8	5.0		8	6500	33	34.8		32.0	3.0	NR	NR
				14	1800	51.5	39.3		22.8	3.0		9	4000	20	20.0		29.9	2.0	NR	NR
				15	1000	28.7	20.0		20.8	5.0		10	3000	15	15.0		29.9	2.0	NR	NR
9/28/2018	11:15	26.1	1	1	2000	57.3	40.8	157.5	21.3	4.5	3	11	5500	28	25.7	109.1	27.9	1.0	NR	NR
				2	1500	43.0	28.5		19.8	6.0		12	1500	8	7.0		27.9	1.0	NR	NR
				3	1000	28.7	21.0		21.8	4.0		13	6000	30	29.0		28.9	1.5	NR	NR
				4	1200	34.4	23.4		20.3	5.5		14	3000	15	13.5		26.9	0.5	NR	NR
				5	2200	63.0	43.8		20.8	5.0		15	7000	35	33.9		28.9	1.5	NR	NR
9/29/2018	10:59	26.2	2	6	1000	28.7	17.6	131.6	18.3	7.5	3	11	5500	28	25.7	109.1	27.9	1.0	NR	NR
				7	2700	77.3	53.8		20.8	5.0		12	1500	8	7.0		27.9	1.0	NR	NR
				8	1000	28.7	16.2		16.8	9.0		13	6000	30	29.0		28.9	1.5	NR	NR
				9	1000	28.7	17.6		18.3	7.5		14	3000	15	13.5		26.9	0.5	NR	NR
				10	1500	43.0	26.4		18.3	7.5		15	7000	35	33.9		28.9	1.5	NR	NR

NOTES:

1) Barometric Pressure - Measured using a Brunton® ADC Ridge™ Altimeter at site location on corresponding date and approximate time.
2) inHg - inches of mercury read directly off altimeter, see note 1 above.
3) V - velocity of gas flow in pipe measure using a Dwyer® In-line Flow Sensor (Averaging Pitot Tube) and magnehelic gauge scaled in feet per minute.
4) FPM - feet per minute read directly off magnehelic gauge.
5) Q - volumetric flow rate
6) ACFM - Actual Cubic Feet per Minute calculated as product of celocity reading in feet per minute and cross-sectional area of pipe. SVE and AAI flow measur
7) SCFM - Standard Cubic Feet per Minute calculated as product of corresponding flow in ACFM and the ratio of absolute pressure in the pipe and the barometr
8) TOTAL SCFM - Sum of Q in SCFM for each well in circuit under operation.
8) TOTAL SCFM - Sum of Q in SCFM for each well in circuit under operation.
9) Pabsolute - Absolute Pressure in pipe calculated as sum of barometric pressure and differential pressure.
10) inHg - inches of mercury
11) ΔP - differential pressure measured directly off gauges mounted on remediation system manifold. Vacuum expressed as positive value.
12) PSID - pounds per square inch differential pressure (gauge vented to atmosphere),
13) Drop Tube Well - indicates drop tube connected to corresponding remediation well.
14) CFM - rotometer reading in cubic feet per minute at barometric pressure.

NB: In cases where field data sheet indicates flow rate as over range (OR) a minimum flow rate of 1000 FPM was used
All remediation wells operating during QTR 15 as per NMED-approved work plan:
NR= Not Recorded-flow not indicated on flow meter.

TABLE 2
VAPOR ANALYSES RESULTS SUMMARY

Circuit No.	Date Sampled	Sample Type/Circuit	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Total Xylenes µg/L	TPH Gasoline Range µg/L	Hourly GRO Removal Rate lbs/hr	Cumulative GRO Mass Removed lbs
C-1	6/22/2010	Tedlar Bag	3600	2900	160	530	240000	120	
	6/22/2010	Tedlar Bag	3000	2600	160	530	190000	120	
	6/22/2010	Tedlar Bag	3800	3900	280	990	230000	100	2813
	1/26/2011	Tedlar Bag	NA	NA	NA	NA	7800	0	29160
	2/17/2011	Tedlar Bag	NA	NA	NA	NA	41000	15.5	29160
	5/12/2011	Tedlar Bag	NA	NA	NA	NA	21000	8.3	37904
	6/23/2011	Tedlar Bag	NA	NA	NA	NA	3100	2.5	40129
	7/27/2011	Tedlar Bag	NA	NA	NA	NA	2500	0	40672
	8/3/2011	Tedlar Bag	NA	NA	NA	NA	9500	7.6	40672
	8/18/2011	Tedlar Bag	NA	NA	NA	NA	9400	5.8	41459
	9/13/2011	Tedlar Bag	NA	NA	NA	NA	6100	3.7	42485
	10/25/2011	Tedlar Bag	NA	NA	NA	NA	1400	0.88	43198
	3/6/2012	Tedlar Bag	160	670	100	450	22000	9.7	43214
	4/5/2012	Tedlar Bag	8.7	20	4.1	11	3500	1.9	44696
	5/29/2012	Tedlar Bag	NA	NA	NA	NA	11000	5.1	46223
	6/28/2012	Tedlar Bag	NA	NA	NA	NA	10000	5.5	47504
	8/21/2012	Tedlar Bag	NA	NA	NA	NA	8700	3.9	49507
	4/14/2013	Tedlar Bag	NA	NA	NA	NA	6800	2.2	49507
	4/25/2013	Tedlar Bag	NA	NA	NA	NA	4700	2.8	49752
	5/11/2013	Tedlar Bag	NA	NA	NA	NA	3000	2.7	50148
	5/22/2013	Tedlar Bag	NA	NA	NA	NA	3900	3.3	50374
	6/5/2013	Tedlar Bag	NA	NA	NA	NA	1700	2.2	50656
	6/20/2013	Tedlar Bag	NA	NA	NA	NA	12000	9.4	50935
	7/5/2013	Tedlar Bag	NA	NA	NA	NA	6400	5.6	51857
	7/24/2013	Tedlar Bag	NA	NA	NA	NA	5300	4.6	52525
	8/9/2013	Tedlar Bag	NA	NA	NA	NA	5000	4	53139
	8/22/2013	Tedlar Bag	NA	NA	NA	NA	5500	4.5	53545
	9/7/2013	Tedlar Bag	NA	NA	NA	NA	3600	2.8	53986
	9/24/2013	Tedlar Bag	NA	NA	NA	NA	1400	1.1	54294
	7/14/2014	Tedlar Bag	NA	NA	NA	NA	6900	3.9	54700
	7/28/2014	Tedlar Bag	NA	NA	NA	NA	4600	2.8	55108
	8/11/2014	Tedlar Bag	NA	NA	NA	NA	5100	3	55447
	8/25/2014	Tedlar Bag	NA	NA	NA	NA	3800	2.8	55795
	9/9/2014	Tedlar Bag	NA	NA	NA	NA	3600	2.6	56118
	9/21/2014	Tedlar Bag	NA	NA	NA	NA	3800	2.8	56375
	10/6/2014	Tedlar Bag	NA	NA	NA	NA	2200	1.8	56641

TABLE 2
VAPOR ANALYSES RESULTS SUMMARY

Circuit No.	Date Sampled	Sample Type/Circuit	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Total Xylenes µg/L	TPH Gasoline Range µg/L	Hourly GRO Removal Rate lbs/hr	Cumulative GRO Mass Removed lbs
	10/20/2014	Tedlar Bag	NA	NA	NA	NA	3400	2.6	56904
	11/4/2014	Tedlar Bag	NA	NA	NA	NA	3500	2.7	57222
	11/16/2014	Tedlar Bag	NA	NA	NA	NA	2800	2.1	57448
	11/28/2014	Tedlar Bag	NA	NA	NA	NA	2600	2	57645
	12/16/2014	Tedlar Bag	NA	NA	NA	NA	5500	4.9	58159
	12/28/2014	Tedlar Bag	NA	NA	NA	NA	4500	4	58479
	1/12/2015	Tedlar Bag	NA	NA	NA	NA	4700	4.2	59065
	1/24/2015	Tedlar Bag	NA	NA	NA	NA	4900	4.3	59470
	2/23/2015	Tedlar Bag	NA	NA	NA	NA	4600	4.1	60471
	3/10/2015	Tedlar Bag	NA	NA	NA	NA	3700	3.2	60900
	4/3/2015	Tedlar Bag	NA	NA	NA	NA	270	0.25	61192
	12/14/2015	Tedlar Bag	NA	NA	NA	NA	14000	4.1	61290
	1/1/2016	Tedlar Bag	NA	NA	NA	NA	6400	5.2	62069
C-1	1/14/2016	Tedlar Bag	NA	NA	NA	NA	6700	6.3	62732
	1/29/2016	Tedlar Bag	NA	NA	NA	NA	7900	6.8	63528
	2/11/2016	Tedlar Bag	NA	NA	NA	NA	5700	4.4	64044
	3/3/2016	Tedlar Bag	NA	NA	NA	NA	4100	3.8	64730
	3/18/2016	Tedlar Bag	NA	NA	NA	NA	3500	2.8	65117
	3/30/2016	Tedlar Bag	NA	NA	NA	NA	1900	1.6	65321
	4/14/2016	Tedlar Bag	NA	NA	NA	NA	3800	2.8	65585
	4/29/2016	Tedlar Bag	NA	NA	NA	NA	3200	2.4	65898
	5/19/2016	Tedlar Bag	NA	NA	NA	NA	3800	3	66350
	5/31/2016	Tedlar Bag	NA	NA	NA	NA	2000	1.7	66563
	7/13/2018	Tedlar Bag	NA	NA	NA	NA	2800	28	66591
	7/27/2018	Tedlar Bag	NA	NA	NA	NA	2800	0	66728
	9/1/2018	Tedlar Bag	NA	NA	NA	NA	2100	0	66789
	9/28/2018	Tedlar Bag	NA	NA	NA	NA	3100	0	67027

TABLE 2
VAPOR ANALYSES RESULTS SUMMARY

Circuit No.	Date Sampled	Sample Type/Circuit	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Total Xylenes µg/L	TPH Gasoline Range µg/L	Hourly GRO Removal Rate lbs/hr	Cumulative GRO Mass Removed lbs
C-2	6/22/2010	Tedlar Bag	2700	2500	220	770	210000	0	
	6/23/2010	Tedlar Bag	4500	4200	330	1100	290000	221	4892
	7/16/2010	Tedlar Bag	NA	NA	NA	NA	38000	29	26299
	8/30/2010	Tedlar Bag	NA	NA	NA	NA	33000	9.9	31385
	10/1/2010	Tedlar Bag	NA	NA	NA	NA	24000	11.3	34666
	11/10/2010	Tedlar Bag	NA	NA	NA	NA	34000	5.2	37265
	1/26/2011	Tedlar Bag	NA	NA	NA	NA	3700	0	39957
	2/17/2011	Tedlar Bag	NA	NA	NA	NA	16000	7.1	399957
	5/12/2011	Tedlar Bag	NA	NA	NA	NA	12000	5.8	43404
	6/9/2011	Tedlar Bag	NA	NA	NA	NA	4300	1.7	44315
	7/6/2011	Tedlar Bag	NA	NA	NA	NA	6100	3.3	44857
	7/27/2011	Tedlar Bag	NA	NA	NA	NA	3700	0	45236
	8/4/2011	Tedlar Bag	NA	NA	NA	NA	19000	10.4	45419
	9/13/2011	Tedlar Bag	NA	NA	NA	NA	89	0.21	47015
	9/27/2011	Tedlar Bag	NA	NA	NA	NA	12000	6	47308
	10/25/2011	Tedlar Bag	NA	NA	NA	NA	5700	2.7	48318
	3/6/2012	Tedlar Bag	260	1300	210	880	31000	0	48318
	4/19/2012	Tedlar Bag	42	120	25	130	6600	4.5	53508
	5/17/2012	Tedlar Bag	NA	NA	NA	NA	6900	4.1	54423
	5/29/2012	Tedlar Bag	NA	NA	NA	NA	17000	2.1	54698
	6/14/2012	Tedlar Bag	NA	NA	NA	NA	2000	0.8	54862
C-2	7/26/2012	Tedlar Bag	NA	NA	NA	NA	8200	4	55585
	8/22/2012	Tedlar Bag	NA	NA	NA	NA	2400	1.2	56090
	4/14/2013	Tedlar Bag	NA	NA	NA	NA	8300	0	56090
	4/25/2013	Tedlar Bag	NA	NA	NA	NA	8800	2.4	56235
	5/10/2013	Tedlar Bag	NA	NA	NA	NA	4700	2.6	56543
	5/22/2013	Tedlar Bag	NA	NA	NA	NA	5300	2.2	56779
	6/5/2013	Tedlar Bag	NA	NA	NA	NA	5200	2.7	57071
	6/20/2013	Tedlar Bag	NA	NA	NA	NA	12000	5.5	57280
	7/5/2013	Tedlar Bag	NA	NA	NA	NA	4700	2.5	57758
	7/24/2013	Tedlar Bag	NA	NA	NA	NA	8500	4.6	58231
	8/8/2013	Tedlar Bag	NA	NA	NA	NA	11000	5.5	58906
	8/22/2013	Tedlar Bag	NA	NA	NA	NA	3000	3.2	59359
	9/6/2013	Tedlar Bag	NA	NA	NA	NA	4100	2.3	59681
	9/25/2013	Tedlar Bag	NA	NA	NA	NA	3700	0	59946

TABLE 2
VAPOR ANALYSES RESULTS SUMMARY

Circuit No.	Date Sampled	Sample Type/Circuit	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Total Xylenes µg/L	TPH Gasoline Range µg/L	Hourly GRO Removal Rate lbs/hr	Cumulative GRO Mass Removed lbs
C-2	7/15/2014	Tedlar Bag	NA	NA	NA	NA	14000	5.4	60596
	7/29/2014	Tedlar Bag	NA	NA	NA	NA	7000	3	61047
	8/12/2014	Tedlar Bag	NA	NA	NA	NA	5900	2.1	61309
	8/24/2014	Tedlar Bag	NA	NA	NA	NA	5400	2.5	61530
	9/7/2014	Tedlar Bag	NA	NA	NA	NA	1100	0.6	61722
	9/22/2014	Tedlar Bag	NA	NA	NA	NA	2900	1.2	61818
	10/7/2014	Tedlar Bag	NA	NA	NA	NA	3100	1.5	62083
	10/18/2014	Tedlar Bag	NA	NA	NA	NA	2500	1.1	62110
	11/2/2014	Tedlar Bag	NA	NA	NA	NA	4500	3.3	62406
	11/17/2014	Tedlar Bag	NA	NA	NA	NA	4400	2.2	62721
	11/29/2014	Tedlar Bag	NA	NA	NA	NA	4800	2.4	62944
	12/17/2014	Tedlar Bag	NA	NA	NA	NA	7400	4.2	63445
	12/26/2014	Tedlar Bag	NA	NA	NA	NA	3800	1.6	63623
	1/13/2015	Tedlar Bag	NA	NA	NA	NA	5000	1.8	63860
	1/25/2015	Tedlar Bag	NA	NA	NA	NA	4600	2	64043
	2/24/2015	Tedlar Bag	NA	NA	NA	NA	7100	2.8	64614
	3/11/2015	Tedlar Bag	NA	NA	NA	NA	6000	2.5	64921
	4/1/2015	Tedlar Bag	NA	NA	NA	NA	2600	1	65194
	12/15/2015	Tedlar Bag	NA	NA	NA	NA	17000	3.4	65406
	12/30/2015	Tedlar Bag	NA	NA	NA	NA	10000	4.7	66074
	1/15/2016	Tedlar Bag	NA	NA	NA	NA	12000	6.5	66763
	1/27/2016	Tedlar Bag	NA	NA	NA	NA	12000	6.4	67382
	2/12/2016	Tedlar Bag	NA	NA	NA	NA	7600	4.2	68000
	3/1/2016	Tedlar Bag	NA	NA	NA	NA	6500	4.8	68648
	3/16/2016	Tedlar Bag	NA	NA	NA	NA	5800	4.6	69318
	3/31/2016	Tedlar Bag	NA	NA	NA	NA	5800	4.5	69574
	4/15/2016	Tedlar Bag	NA	NA	NA	NA	7700	5.5	70365
	4/27/2016	Tedlar Bag	NA	NA	NA	NA	6600	4.4	70839
	5/20/2016	Tedlar Bag	NA	NA	NA	NA	5500	3.5	71580
	6/1/2016	Tedlar Bag	NA	NA	NA	NA	3000	2	71829
	7/12/2018	Tedlar Bag	NA	NA	NA	NA	2100	0	71829
	7/25/2018	Tedlar Bag	NA	NA	NA	NA	7100	0	72031
	9/2/2018	Tedlar Bag	NA	NA	NA	NA	2900	0	72145
	9/29/2018	Tedlar Bag	NA	NA	NA	NA	2200	27	72445

TABLE 2
VAPOR ANALYSES RESULTS SUMMARY

Circuit No.	Date Sampled	Sample Type/Circuit	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Total Xylenes µg/L	TPH Gasoline Range µg/L	Hourly GRO Removal Rate lbs/hr	Cumulative GRO Mass Removed lbs
C-3	6/23/2010	Tedlar Bag	3800	3900	260	880	240000	0	0
	6/23/2010	Tedlar Bag	2400	2600	230	790	190000	0	0
	7/9/2010	Tedlar Bag	NA	NA	NA	NA	57000	35	6751
	11/22/2010	Tedlar Bag	NA	NA	NA	NA	19000	17	31742
	12/15/2010	Tedlar Bag	NA	NA	NA	NA	27000	14.2	33993
	1/26/2011	Tedlar Bag	NA	NA	NA	NA	24000	11.8	37768
	2/17/2011	Tedlar Bag	NA	NA	NA	NA	50000	23	40844
	5/12/2011	Tedlar Bag	NA	NA	NA	NA	21000	9	51160
	6/9/2011	Tedlar Bag	NA	NA	NA	NA	2200	0.8	52109
	7/21/2011	Tedlar Bag	NA	NA	NA	NA	4200	4	52814
	8/4/2011	Tedlar Bag	NA	NA	NA	NA	8600	7.3	53208
	10/11/2011	Tedlar Bag	NA	NA	NA	NA	290	0.17	55045
	10/25/2011	Tedlar Bag	NA	NA	NA	NA	2000	1.2	55108
	3/6/2012	Tedlar Bag	170	570	86	340	13000	0	55635
	3/20/2012	Tedlar Bag	170	860	210	870	17000	4.5	56015
	5/3/2012	Tedlar Bag	NA	NA	NA	NA	59	0.1	57704
	5/29/2012	Tedlar Bag	NA	NA	NA	NA	730	1.1	57838
	7/13/2012	Tedlar Bag	NA	NA	NA	NA	9200	4	58860
	8/9/2012	Tedlar Bag	NA	NA	NA	NA	4900	1.9	59477
	8/22/2012	Tedlar Bag	NA	NA	NA	NA	4400	2.1	59672
	4/14/2013	Tedlar Bag	NA	NA	NA	NA	9000	2	59672
	4/26/2013	Tedlar Bag	NA	NA	NA	NA	1400	0.58	59769
	5/10/2013	Tedlar Bag	NA	NA	NA	NA	4100	1.4	59886
	5/22/2013	Tedlar Bag	NA	NA	NA	NA	4500	1.3	60019
	6/5/2013	Tedlar Bag	NA	NA	NA	NA	1100	0.41	60114
	6/20/2013	Tedlar Bag	NA	NA	NA	NA	8100	2.5	60195
	7/6/2013	Tedlar Bag	NA	NA	NA	NA	5700	1.9	60450
	7/24/2013	Tedlar Bag	NA	NA	NA	NA	4800	1.6	60693
	8/8/2013	Tedlar Bag	NA	NA	NA	NA	13000	2.9	60966
	8/22/2013	Tedlar Bag	NA	NA	NA	NA	5300	1.7	61247
	9/6/2013	Tedlar Bag	NA	NA	NA	NA	2500	0.96	61394
	9/24/2013	Tedlar Bag	NA	NA	NA	NA	2900	1	61530

TABLE 2
VAPOR ANALYSES RESULTS SUMMARY

Circuit No.	Date Sampled	Sample Type/Circuit	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Total Xylenes µg/L	TPH Gasoline Range µg/L	Hourly GRO Removal Rate lbs/hr	Cumulative GRO Mass Removed lbs
C-3	7/16/2014	Tedlar Bag	NA	NA	NA	NA	12000	7	62420
	7/27/2014	Tedlar Bag	NA	NA	NA	NA	4900	4.6	62976
	8/10/2014	Tedlar Bag	NA	NA	NA	NA	4300	2.4	63422
	8/26/2014	Tedlar Bag	NA	NA	NA	NA	6500	2.9	63750
	9/8/2014	Tedlar Bag	NA	NA	NA	NA	3200	2	63990
	9/23/2014	Tedlar Bag	NA	NA	NA	NA	2800	1.8	64209
	10/5/2014	Tedlar Bag	NA	NA	NA	NA	4000	2.3	64405
	10/19/2014	Tedlar Bag	NA	NA	NA	NA	5200	3.1	64739
	11/3/2014	Tedlar Bag	NA	NA	NA	NA	4100	2.4	65071
	11/15/2014	Tedlar Bag	NA	NA	NA	NA	3400	2	65284
	11/30/2014	Tedlar Bag	NA	NA	NA	NA	4500	2.2	65510
	12/15/2014	Tedlar Bag	NA	NA	NA	NA	6800	3.4	65884
	12/27/2014	Tedlar Bag	NA	NA	NA	NA	2600	1.5	66135
	1/11/2015	Tedlar Bag	NA	NA	NA	NA	4800	2.9	66413
	1/23/2015	Tedlar Bag	NA	NA	NA	NA	4400	3.2	66709
	2/22/2015	Tedlar Bag	NA	NA	NA	NA	4900	2.7	67414
	3/9/2015	Tedlar Bag	NA	NA	NA	NA	4600	3.3	67774
	4/2/2015	Tedlar Bag	NA	NA	NA	NA	3200	2.5	68325
	12/16/2015	Tedlar Bag	NA	NA	NA	NA	12000	3.3	68404
	12/31/2015	Tedlar Bag	NA	NA	NA	NA	7600	4.8	68954
	1/13/2016	Tedlar Bag	NA	NA	NA	NA	7100	4.3	69498
	1/28/2016	Tedlar Bag	NA	NA	NA	NA	8400	4.8	70054
	2/10/2016	Tedlar Bag	NA	NA	NA	NA	6500	4.6	70509
	3/2/2016	Tedlar Bag	NA	NA	NA	NA	4200	3	71132
	3/17/2016	Tedlar Bag	NA	NA	NA	NA	2300	1.6	71388
	4/1/2016	Tedlar Bag	NA	NA	NA	NA	2200	1.6	71573
	4/13/2016	Tedlar Bag	NA	NA	NA	NA	1200	1.1	71698
	4/28/2016	Tedlar Bag	NA	NA	NA	NA	5600	3.8	71999
	5/18/2016	Tedlar Bag	NA	NA	NA	NA	2700	2.5	72553
	6/2/2016	Tedlar Bag	NA	NA	NA	NA	2500	2	72815
	7/11/2018	Tedlar Bag	NA	NA	NA	NA	4700	0	72815
	7/26/2018	Tedlar Bag	NA	NA	NA	NA	2000	0	72031
	8/31/2018	Tedlar Bag	NA	NA	NA	NA	4000	0	72145
	9/27/2018	Tedlar Bag	NA	NA	NA	NA	2800	27	72445

TABLE 2
VAPOR ANALYSES RESULTS SUMMARY

Circuit No.	Date Sampled	Sample Type/Circuit	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Total Xylenes µg/L	TPH Gasoline Range µg/L	Hourly GRO Removal Rate lbs/hr	Cumulative GRO Mass Removed lbs
Circuit 1 Stack	6/20/2013	Tedlar Bag	NA	NA	NA	NA	14000		
	7/5/2013	Tedlar Bag	NA	NA	NA	NA	6300		
	8/22/2013	Tedlar Bag	NA	NA	NA	NA	7100		
	7/14/2014	Tedlar Bag	NA	NA	NA	NA	16000		
	8/25/2014	Tedlar Bag	NA	NA	NA	NA	7600		
	10/6/2014	Tedlar Bag	NA	NA	NA	NA	4800		
	11/16/2014	Tedlar Bag	NA	NA	NA	NA	5100		
	12/28/2014	Tedlar Bag	NA	NA	NA	NA	5500		
	2/23/2015	Tedlar Bag	NA	NA	NA	NA	5800		
	12/14/2015	Tedlar Bag	21	110	29	130	NA		
	1/1/2016	Tedlar Bag	9.5	90	25	120	NA		
	1/14/2016	Tedlar Bag	9.6	81	21	100	NA		
	2/11/2016	Tedlar Bag	12	98	31	140	NA		
	3/3/2016	Tedlar Bag	7.4	74	25	120	5800		
	3/16/2016	Tedlar Bag	16	150	29	170	NA		
	3/30/2016	Tedlar Bag	6.8	76	20	100	NA		
	4/14/2016	Tedlar Bag	7	61	16	74	NA		
	4/29/2016	Tedlar Bag	3	55	14	63	NA		
	5/19/2016	Tedlar Bag	5.4	56	15	69	NA		
	5/31/2016	Tedlar Bag	4.8	41	11	57	NA		
	7/13/2018	Tedlar Bag	1.4	79	8	120	NA		
	7/27/2018	Tedlar Bag	2.3	22	10	56	NA		
	9/1/2018	Tedlar Bag	1.5	16	17	67	NA		
	9/28/2018	Tedlar Bag	8.2	39	21	110	NA		

TABLE 2
VAPOR ANALYSES RESULTS SUMMARY

Circuit No.	Date Sampled	Sample Type/Circuit	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Total Xylenes µg/L	TPH Gasoline Range µg/L	Hourly GRO Removal Rate lbs/hr	Cumulative GRO Mass Removed lbs
Circuit 2 Stack	4/25/2013	Tedlar Bag	NA	NA	NA	NA	11000		
	6/5/2013	Tedlar Bag	NA	NA	NA	NA	7200		
	7/24/2013	Tedlar Bag	NA	NA	NA	NA	11000		
	9/6/2013	Tedlar Bag	NA	NA	NA	NA	6600		
	8/12/2014	Tedlar Bag	NA	NA	NA	NA	11000		
	9/22/2014	Tedlar Bag	NA	NA	NA	NA	7200		
	11/2/2014	Tedlar Bag	NA	NA	NA	NA	6300		
	11/29/2014	Tedlar Bag	NA	NA	NA	NA	7400		
	1/25/2015	Tedlar Bag	NA	NA	NA	NA	6000		
	3/11/2015	Tedlar Bag	NA	NA	NA	NA	5700		
	12/15/2015	Tedlar Bag	26	140	25	130	NA		
	12/30/2015	Tedlar Bag	20	120	22	120	NA		
	1/15/2016	Tedlar Bag	13	110	17	89	NA		
	1/27/2016	Tedlar Bag	13	150	26	130	NA		
	2/12/2016	Tedlar Bag	14	160	36	190	NA		
	3/1/2016	Tedlar Bag	15	180	33	190	NA		
	3/16/2016	Tedlar Bag	16	150	29	170	NA		
	3/31/2016	Tedlar Bag	13	120	29	180	NA		
	4/15/2016	Tedlar Bag	12	92	18	100	NA		
	4/27/2016	Tedlar Bag	15	120	24	150	NA		
	5/20/2016	Tedlar Bag	8	78	15	97	NA		
	6/1/2016	Tedlar Bag	7.3	74	15	98	NA		
	7/12/2018	Tedlar Bag	7	32	12	69	NA		
	7/25/2018	Tedlar Bag	17	120	16	160	NA		
	9/2/2018	Tedlar Bag	<2.5	11	<2.5	28	NA		
	9/29/2018	Tedlar Bag	5.2	13	<2.0	21	NA		

TABLE 2
VAPOR ANALYSES RESULTS SUMMARY

Circuit No.	Date Sampled	Sample Type/Circuit	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Total Xylenes µg/L	TPH Gasoline Range µg/L	Hourly GRO Removal Rate lbs/hr	Cumulative GRO Mass Removed lbs
Circuit 3 Stack	4/14/2013	Tedlar Bag	NA	NA	NA	NA	9700		
	5/10/2013	Tedlar Bag	NA	NA	NA	NA	7900		
	5/22/2013	Tedlar Bag	NA	NA	NA	NA	7400		
	8/8/2013	Tedlar Bag	NA	NA	NA	NA	10000		
	9/24/2013	Tedlar Bag	NA	NA	NA	NA	5200		
	9/8/2014	Tedlar Bag	NA	NA	NA	NA	7700		
	7/27/2014	Tedlar Bag	NA	NA	NA	NA	7200		
	10/19/2014	Tedlar Bag	NA	NA	NA	NA	6600		
	12/15/2014	Tedlar Bag	NA	NA	NA	NA	7800		
	1/11/2015	Tedlar Bag	NA	NA	NA	NA	7000		
	4/2/2015	Tedlar Bag	NA	NA	NA	NA	3200		
	12/16/2015	Tedlar Bag	21	120	19	110	NA		
	12/31/2015	Tedlar Bag	12	83	14	110	NA		
	1/13/2016	Tedlar Bag	9.7	65	11	89	NA		
	1/28/2016	Tedlar Bag	11	91	20	140	NA		
	2/10/2016	Tedlar Bag	14	130	22	150	NA		
	3/2/2016	Tedlar Bag	7.7	76	14	100	3200		
	3/17/2016	Tedlar Bag	10	56	11	85	`		
	4/28/2016	Tedlar Bag	13	90	24	170	NA		
	5/18/2016	Tedlar Bag	5.2	31	6.3	55	NA		
	6/2/2016	Tedlar Bag	5.4	33	8	63	NA		
	7/11/2018	Tedlar Bag	8.9	46	9	93	NA		
	7/26/2018	Tedlar Bag	1.3	38	9.7	93	NA		
	8/31/2018	Tedlar Bag	4.2	12	<2.5	28	NA		
	9/27/2018	Tedlar Bag	3.5	44	12.0	110	NA		
SVE-1	12/14/2015	Tedlar Bag	8.1	63	51	170	NA		
	1/1/2016	Tedlar Bag	1.1	59	53	180	NA		
	1/14/2016	Tedlar Bag	4.6	64	53	190	NA		
	1/29/2016	Tedlar Bag	9.2	93	59	230	NA		
	2/11/2016	Tedlar Bag	13	110	65	260	NA		
	3/3/2016	Tedlar Bag	8.7	98	54	230	NA		
	3/18/2016	Tedlar Bag	5.8	56	37	150	NA		
	3/30/2016	Tedlar Bag	2.9	28	16	61	NA		
	4/14/2016	Tedlar Bag	2.7	29	26	95	NA		
	4/29/2016	Tedlar Bag	1.4	20	15	58	NA		
	5/31/2016	Tedlar Bag	3.1	35	24	88	NA		
	7/12/2018	Tedlar Bag	1.0	24	29	130	NA		
	7/27/2018	Tedlar Bag	3.5	29	32.0	130	NA		
	9/1/2018	Tedlar Bag	1.3	35	53.0	190	NA		
	9/28/2018	Tedlar Bag	3.9	38	61.0	230	NA		

TABLE 2
VAPOR ANALYSES RESULTS SUMMARY

Circuit No.	Date Sampled	Sample Type/Circuit	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Total Xylenes µg/L	TPH Gasoline Range µg/L	Hourly GRO Removal Rate lbs/hr	Cumulative GRO Mass Removed lbs
SVE-2	12/14/2015	Tedlar Bag	15	28	3.4	15	NA		
	1/1/2016	Tedlar Bag	7.9	93	35	140	NA		
	1/14/2016	Tedlar Bag	18	40	5.8	34	NA		
	1/29/2016	Tedlar Bag	1.4	19	3.8	19	NA		
	2/11/2016	Tedlar Bag	0.44	7	1.9	10	NA		
	3/3/2016	Tedlar Bag	0.51	9.1	2.5	13	NA		
	3/18/2016	Tedlar Bag	25	41	4.9	26	NA		
	3/30/2016	Tedlar Bag	8.4	17	2.9	14	NA		
	4/14/2016	Tedlar Bag	21	37	5.1	29	NA		
	4/29/2016	Tedlar Bag	8.3	25	3.4	19	NA		
	5/19/2016	Tedlar Bag	24	54	6.1	33	NA		
	5/31/2016	Tedlar Bag	19	35	4.4	27	NA		
	7/12/2018	Tedlar Bag	24	41	8.3	43	NA		
	7/27/2018	Tedlar Bag	14	27	9.9	45	NA		
	9/1/2018	Tedlar Bag	7.7	22	19	75	NA		
	9/28/2018	Tedlar Bag	7.8	16	2.6	16	NA		
SVE-3	12/14/2015	Tedlar Bag	23	130	22	85	NA		
	1/1/2016	Tedlar Bag	5.6	80	11	43	NA		
	1/14/2016	Tedlar Bag	7.1	120	16	66	NA		
	1/29/2016	Tedlar Bag	8.2	93	14	57	NA		
	2/11/2016	Tedlar Bag	11	99	16	69	NA		
	3/3/2016	Tedlar Bag	7	66	10	43	NA		
	3/18/2016	Tedlar Bag	4	100	13	54	NA		
	3/30/2016	Tedlar Bag	2	28	4.5	19	NA		
	4/14/2016	Tedlar Bag	3.8	85	11	47	NA		
	4/29/2016	Tedlar Bag	3.1	64	7.9	32	NA		
	5/19/2016	Tedlar Bag	2.6	38	4.5	21	NA		
	5/31/2016	Tedlar Bag	1.4	41	6	30	NA		
	7/12/2018	Tedlar Bag	7.4	28	5.7	29	NA		
	7/27/2018	Tedlar Bag	8.3	43	6.6	38	NA		
	9/1/2018	Tedlar Bag	9.6	41	8.4	36	NA		
	9/28/2018	Tedlar Bag	5.3	34	7	36	NA		
SVE-4	12/14/2015	Tedlar Bag	39	120	15	140	NA		
	1/1/2016	Tedlar Bag	14	54	7.6	130	NA		
	1/14/2016	Tedlar Bag	8.1	30	4.1	75	NA		
	1/29/2016	Tedlar Bag	11	51	7.1	110	NA		
	2/11/2016	Tedlar Bag	11	47	6.4	120	NA		
	3/3/2016	Tedlar Bag	6.1	28	3.5	86	NA		
	3/18/2016	Tedlar Bag	6.7	27	3.7	68	NA		
	3/30/2016	Tedlar Bag	0.83	17	4.8	24	NA		
	4/14/2016	Tedlar Bag	9.2	28	5.3	57	NA		
	4/29/2016	Tedlar Bag	3.2	12	1.7	33	NA		
	5/19/2016	Tedlar Bag	3.5	14	2.1	44	NA		
	5/31/2016	Tedlar Bag	2.7	12	2	45	NA		
	7/12/2018	Tedlar Bag	22	39	7.1	100	NA		
	7/27/2018	Tedlar Bag	23	68	7.5	110	NA		
	9/1/2018	Tedlar Bag	3.7	18	4.9	63	NA		
	9/28/2018	Tedlar Bag	5.8	21	2	140	NA		
SVE-5	12/14/2015	Tedlar Bag	19	76	15	110	NA		
	1/1/2016	Tedlar Bag	4.8	56	13	78	NA		
	1/14/2016	Tedlar Bag	4	4.2	9.7	57	NA		
	1/29/2016	Tedlar Bag	5	81	21	110	NA		
	2/11/2016	Tedlar Bag	4.9	75	21	120	NA		
	3/3/2016	Tedlar Bag	3.1	44	12	71	NA		
	3/18/2016	Tedlar Bag	2.9	43	12	74	NA		
	3/30/2016	Tedlar Bag	0.98	17	4.5	22	NA		
	4/14/2016	Tedlar Bag	2.8	31	9.5	52	NA		
	4/29/2016	Tedlar Bag	2.2	32	10	60	NA		
	5/19/2016	Tedlar Bag	1.5	24	7.8	41	NA		
	5/31/2016	Tedlar Bag	1.7	24	8.1	45	NA		
	7/12/2018	Tedlar Bag	12	33	8.4	63	NA		
	7/27/2018	Tedlar Bag	10	35	8	56	NA		
	9/1/2018	Tedlar Bag	6.3	15	4.1	34	NA		
	9/28/2018	Tedlar Bag	8.9	25	4.5	47	NA		

TABLE 2
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Circuit No.	Date Sampled	Sample Type/Circuit	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Total Xylenes µg/L	TPH Gasoline Range µg/L	Hourly GRO Removal Rate lbs/hr	Cumulative GRO Mass Removed lbs
SVE-6	12/15/2015	Tedlar Bag	42	62	5.8	36	NA		
	12/30/2015	Tedlar Bag	45	110	15	100	NA		
	1/15/2016	Tedlar Bag	31	77	12	100	NA		
	1/27/2016	Tedlar Bag	35	95	15	130	NA		
	2/12/2016	Tedlar Bag	26	87	16	120	NA		
	3/1/2016	Tedlar Bag	21	70	12	93	NA		
	3/16/2016	Tedlar Bag	28	72	12	91	NA		
	3/31/2016	Tedlar Bag	1.5	86	18	71	NA		
	4/15/2016	Tedlar Bag	30	66	8.9	68	NA		
	4/27/2016	Tedlar Bag	35	100	25	160	NA		
	5/20/2016	Tedlar Bag	2.6	110	18	90	NA		
	6/6/2016	Tedlar Bag	2.9	100	18	91	NA		
	7/13/2018	Tedlar Bag	14	120	16	170	NA		
	7/25/2018	Tedlar Bag	3	140	13	150	NA		
	9/2/2018	Tedlar Bag	1.1	16	3.3	33	NA		
	9/29/2018	Tedlar Bag	1.5	9.2	1.5	21	NA		
SVE-7	12/15/2015	Tedlar Bag	19	410	44	180	NA		
	12/30/2015	Tedlar Bag	9	230	41	160	NA		
	1/15/2016	Tedlar Bag	6	190	26	110	NA		
	1/27/2016	Tedlar Bag	8.4	280	40	160	NA		
	3/1/2016	Tedlar Bag	6.5	240	36	150	NA		
	3/16/2016	Tedlar Bag	5.6	210	33	140	NA		
	3/31/2016	Tedlar Bag	0.65	31	4.1	12	NA		
	4/27/2016	Tedlar Bag	7	190	34	160	NA		
	5/20/2016	Tedlar Bag	1.9	96	16	80	NA		
	6/1/2016	Tedlar Bag	2.1	110	20	94	NA		
	7/13/2018	Tedlar Bag	7.6	130	14	210	NA		
	7/25/2018	Tedlar Bag	3.8	180	18	210	NA		
	9/2/2018	Tedlar Bag	0.33	16	3	35	NA		
	9/29/2018	Tedlar Bag	<0.20	6.8	1.1	15	NA		
SVE-8	12/15/2015	Tedlar Bag	30	61	6.6	110	NA		
	12/30/2015	Tedlar Bag	13	53	8.1	100	NA		
	1/15/2016	Tedlar Bag	13	100	17	93	NA		
	1/27/2016	Tedlar Bag	3.5	47	6.6	30	NA		
	3/1/2016	Tedlar Bag	6.2	42	8.1	100	NA		
	3/16/2016	Tedlar Bag	9.2	75	12.0	72	NA		
	3/31/2016	Tedlar Bag	0.28	16	4.3	19	NA		
	4/15/2016	Tedlar Bag	15	89	15	100	NA		
	4/27/2016	Tedlar Bag	11	150	30	160	NA		
	5/20/2016	Tedlar Bag	2.2	110	20	95	NA		
	6/1/2016	Tedlar Bag	3.9	88	17	91	NA		
	7/13/2018	Tedlar Bag	40.0	130	17	170	NA		
	7/25/2018	Tedlar Bag	14.0	140	15	160	NA		
	9/2/2018	Tedlar Bag	3.9	12	2	15	NA		
	9/29/2018	Tedlar Bag	7.6	20	3	27	NA		
SVE-9	12/15/2015	Tedlar Bag	24	14	<5.0	110	NA		
	12/30/2015	Tedlar Bag	17	30	2.1	120	NA		
	1/15/2016	Tedlar Bag	10	24	2.4	96	NA		
	1/27/2016	Tedlar Bag	18	47	4.5	210	NA		
	2/12/2016	Tedlar Bag	5.4	19	<2.0	110	NA		
	3/1/2016	Tedlar Bag	2.8	12	<2.0	77	NA		
	3/16/2016	Tedlar Bag	2.7	16	1.6	120	NA		
	3/31/2016	Tedlar Bag	0.19	9.7	3.6	17	NA		
	4/15/2016	Tedlar Bag	1.7	9.1	1.2	85	NA		
	4/27/2016	Tedlar Bag	2.1	15	2.3	110	NA		
	5/20/2016	Tedlar Bag	1.1	7.9	1	65	NA		
	6/1/2016	Tedlar Bag	1	7.9	1.3	50	NA		
	7/13/2018	Tedlar Bag	14	40	6.3	96	NA		
	7/25/2018	Tedlar Bag	43	110	15	110	NA		
	9/2/2018	Tedlar Bag	3.1	9.4	1.4	12	NA		
	9/29/2018	Tedlar Bag	2.2	7.3	<2.0	19	NA		

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Circuit No.	Date Sampled	Sample Type/Circuit	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Total Xylenes µg/L	TPH Gasoline Range µg/L	Hourly GRO Removal Rate lbs/hr	Cumulative GRO Mass Removed lbs
SVE-10	12/15/2015	Tedlar Bag	2.7	67	25	110	NA		
	12/30/2015	Tedlar Bag	0.8	15	4.8	48	NA		
	1/15/2016	Tedlar Bag	<1.0	42	15	70	NA		
	1/27/2016	Tedlar Bag	1.8	100	46	210	NA		
	2/12/2016	Tedlar Bag	0.99	48	21	120	NA		
	3/1/2016	Tedlar Bag	0.61	39	18	100	NA		
	3/16/2016	Tedlar Bag	0.52	24	16	84	NA		
	3/31/2016	Tedlar Bag	0.16	8.8	3	15	NA		
	4/15/2016	Tedlar Bag	0.42	19	14	41	NA		
	4/27/2016	Tedlar Bag	0.46	21	15	75	NA		
	5/20/2016	Tedlar Bag	<0.25	11	7.2	36	NA		
	6/1/2016	Tedlar Bag	<0.25	14	8	44	NA		
	7/13/2018	Tedlar Bag	5.3	24	7.4	62	NA		
	7/25/2018	Tedlar Bag	9.7	29	4.7	56	NA		
	9/2/2018	Tedlar Bag	1.1	6.8	2.2	17	NA		
	9/29/2018	Tedlar Bag	1.3	3.9	1.4	12	NA		
SVE-11	12/16/2015	Tedlar Bag	4.4	2.6	<2.0	3.1	NA		
	12/31/2015	Tedlar Bag	6.1	80	14	83	NA		
	1/13/2016	Tedlar Bag	6.1	38	6.1	45	NA		
	1/28/2016	Tedlar Bag	5.2	84	25	77	NA		
	2/10/2016	Tedlar Bag	2.1	<2.0	<2.0	6.1	NA		
	3/2/2016	Tedlar Bag	3.1	4	<1.0	11.0	NA		
	3/17/2016	Tedlar Bag	1.8	32	7.8	51.0	NA		
	4/1/2016	Tedlar Bag	<0.1	1	0.34	1.6	NA		
	4/13/2016	Tedlar Bag	<0.1	0.19	<0.1	0.22	NA		
	4/28/2016	Tedlar Bag	0.36	1.7	0.55	6.8	NA		
	6/2/2016	Tedlar Bag	0.31	1.5	0.72	7.6	NA		
	7/11/2018	Tedlar Bag	0.4	6.1	1.8	17	NA		
	7/26/2018	Tedlar Bag	0.6	5.3	1.4	15	NA		
	8/31/2018	Tedlar Bag	<0.10	0.28	0.11	1.4	NA		
	9/27/2018	Tedlar Bag	<0.10	<0.10	<0.10	0.36	NA		
SVE-12	12/16/2015	Tedlar Bag	150	280	21	250	NA		
	12/31/2015	Tedlar Bag	80	230	16	330	NA		
	1/13/2016	Tedlar Bag	78	210	16	270	NA		
	1/28/2016	Tedlar Bag	12	120	16	170	NA		
	2/10/2016	Tedlar Bag	81	210	21	360	NA		
	3/2/2016	Tedlar Bag	50	170	15	300	NA		
	3/17/2016	Tedlar Bag	97	150	26	430	NA		
	4/1/2016	Tedlar Bag	0.37	2.3	0.4	2.3	NA		
	4/13/2016	Tedlar Bag	3.3	7.5	1.1	29	NA		
	4/28/2016	Tedlar Bag	67	200	22	320	NA		
	6/2/2016	Tedlar Bag	30	80	6.8	98	NA		
	7/11/2018	Tedlar Bag	47	110	9.8	190	NA		
	7/26/2018	Tedlar Bag	32	91	7.2	210	NA		
	8/31/2018	Tedlar Bag	2.5	6.5	1	15	NA		
	9/27/2018	Tedlar Bag	12	62	6.7	260	NA		
SVE-13	12/16/2015	Tedlar Bag	5.2	200	36	170	NA		
	12/31/2015	Tedlar Bag	3	160	32	190	NA		
	1/13/2016	Tedlar Bag	1.4	110	21	120	NA		
	1/28/2016	Tedlar Bag	3.6	190	54	280	NA		
	2/10/2016	Tedlar Bag	3.6	250	46	260	NA		
	3/2/2016	Tedlar Bag	1.9	220	47	270	NA		
	3/17/2016	Tedlar Bag	1.1	120	29	170	NA		
	4/1/2016	Tedlar Bag	0.46	21	2.2	9.5	NA		
	4/13/2016	Tedlar Bag	<0.5	54	15	53	NA		
	4/28/2016	Tedlar Bag	1.6	190	50	270	NA		
	6/2/2016	Tedlar Bag	<1.0	37	11	70	NA		
	7/11/2018	Tedlar Bag	4	73	19	180	NA		
	7/26/2018	Tedlar Bag	3.2	77	19	190	NA		
	8/31/2018	Tedlar Bag	0.93	4.1	0.43	13	NA		
	9/27/2018	Tedlar Bag	2.8	110	32	320	NA		

TABLE 2
VAPOR ANALYSES RESULTS SUMMARY

Circuit No.	Date Sampled	Sample Type/Circuit	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Total Xylenes µg/L	TPH Gasoline Range µg/L	Hourly GRO Removal Rate lbs/hr	Cumulative GRO Mass Removed lbs
SVE-14	12/16/2015	Tedlar Bag	<0.1	0.7	0.22	1.9	NA		
	12/31/2015	Tedlar Bag	0.14	1.7	0.34	5	NA		
	1/13/2016	Tedlar Bag	<0.1	0.55	0.12	1.2	NA		
	2/10/2016	Tedlar Bag	<0.1	3.4	1.1	8.6	NA		
	3/2/2016	Tedlar Bag	6.4	14	2.2	22	NA		
	3/17/2016	Tedlar Bag	4	23	5.2	36	NA		
	4/1/2016	Tedlar Bag	0.35	15	5.8	34	NA		
	4/13/2016	Tedlar Bag	1.8	7.3	1.7	8.9	NA		
	4/28/2016	Tedlar Bag	14	59	14	98	NA		
	6/2/2016	Tedlar Bag	4.9	25	4.6	28	NA		
	7/11/2018	Tedlar Bag	24	66	14	110	NA		
	7/26/2018	Tedlar Bag	11	52	11	100	NA		
	8/31/2018	Tedlar Bag	4.4	22	4.7	23	NA		
	9/27/2018	Tedlar Bag	5	37	10	74	NA		
SVE-15	12/16/2015	Tedlar Bag	12	29	4.2	35	NA		
	12/31/2015	Tedlar Bag	5	18	2.60	23	NA		
	1/13/2016	Tedlar Bag	4.1	14	2.3	17	NA		
	1/28/2016	Tedlar Bag	4.1	17	3.3	25	NA		
	2/10/2016	Tedlar Bag	4.9	19	3.9	31	NA		
	3/2/2016	Tedlar Bag	2.7	11	2.4	20	NA		
	3/17/2016	Tedlar Bag	2.8	10	2.3	17	NA		
	4/1/2016	Tedlar Bag	0.27	8	3.6	23	NA		
	4/13/2016	Tedlar Bag	3.7	10	2.1	11	NA		
	4/28/2016	Tedlar Bag	2.9	13	2.9	22	NA		
	6/2/2016	Tedlar Bag	1.3	4.8	<1.0	8	NA		
	7/11/2018	Tedlar Bag	4.8	10	1.9	28	NA		
	7/26/2018	Tedlar Bag	4.5	9.8	1.7	25	NA		
	8/31/2018	Tedlar Bag	9.7	21	3.1	39	NA		
	9/27/2018	Tedlar Bag	3.3	10	2.2	29	NA		

TABLE 3A
FIXED GASES VAPOR ANALYSIS RESULTS SUMMARY

Circuit No.	Date Sampled	Sample Type/Circuit	Oxygen Mol %	Nitrogen Mol %	CO_2 Mol %	Methane Mol %	Ethane Mol %	H_2S ppm/Mol %
C-1	4/5/2012	Tedlar Bag	20.15	79.34	0.476	<0.001	<0.001	<10 ppm
	6/28/2012	Tedlar Bag	19.64	78.27	2.07	<0.001	<0.001	<0.001
	4/25/2013	Tedlar Bag	21.52	77.97	0.482	<0.001	<0.001	<0.001
	5/11/2013	Tedlar Bag	19.90	78.82	1.271	<0.001	<0.001	<0.001
	5/22/2013	Tedlar Bag	18.96	79.37	1.641	<0.001	<0.001	<0.001
	6/5/2013	Tedlar Bag	19.62	78.72	1.651	<0.001	<0.001	<0.001
	6/20/2013	Tedlar Bag	19.03	78.72	2.206	<0.001	<0.001	<0.001
	7/5/2013	Tedlar Bag	19.72	78.724	1.978	<0.001	<0.001	<0.001
	7/24/2013	Tedlar Bag	19.15	78.14	2.67	<0.001	<0.001	<0.001
	8/9/2013	Tedlar Bag	19.59	78.55	1.842	<0.001	<0.001	<0.001
	8/22/2013	Tedlar Bag	20.15	78.35	1.48	<0.001	<0.001	<0.001
	9/7/2013	Tedlar Bag	19.96	78.32	1.71	<0.001	<0.001	<0.001
	9/24/2013	Tedlar Bag	21.50	78.34	0.151	<0.001	<0.001	<0.001
	7/14/2014	Tedlar Bag	14.34	83.55	2.00	<0.001	<0.001	<0.001
	7/28/2014	Tedlar Bag	20.77	78.18	1.01	<0.001	<0.001	<0.001
	8/11/2014	Tedlar Bag	20.57	77.79	1.61	<0.001	<0.001	<0.001
	8/25/2014	Tedlar Bag	21.08	77.59	1.32	<0.001	<0.001	<0.001
	9/9/2014	Tedlar Bag	21.04	77.47	1.47	<0.001	<0.001	<0.001
	9/21/2014	Tedlar Bag	20.75	78.02	1.21	<0.001	<0.001	<0.001
	10/6/2014	Tedlar Bag	21.64	77.393	0.96	<0.001	<0.001	<0.001
	10/20/2014	Tedlar Bag	21.52	77.211	1.26	<0.001	<0.001	<0.001
	11/4/2014	Tedlar Bag	21.03	77.432	1.53	<0.001	<0.001	<0.001
	11/16/2014	Tedlar Bag	21.14	77.571	1.28	<0.001	<0.001	<0.001
	11/28/2014	Tedlar Bag	20.79	77.452	1.75	<0.001	<0.001	<0.001
	12/16/2014	Tedlar Bag	20.57	77.704	1.71	<0.001	<0.001	<0.001
	12/28/2014	Tedlar Bag	21.22	77.234	1.52	<0.001	<0.001	<0.001

TABLE 3A
FIXED GASES VAPOR ANALYSIS RESULTS SUMMARY

Circuit No.	Date Sampled	Sample Type/Circuit	Oxygen Mol %	Nitrogen Mol %	CO_2 Mol %	Methane Mol %	Ethane Mol %	H_2S ppm/Mol %
C-1	1/12/2015	Tedlar Bag	21.20	77.254	1.52	<0.001	<0.001	<0.001
	1/24/2015	Tedlar Bag	21.25	77.226	1.51	<0.001	<0.001	<0.001
	2/23/2015	Tedlar Bag	20.53	77.587	1.86	<0.001	<0.001	<0.001
	3/10/2015	Tedlar Bag	21.13	77.434	1.42	<0.001	<0.001	<0.001
	4/3/2015	Tedlar Bag	22.45	77.382	0.17	<0.001	<0.001	<0.001
	12/14/2015	Tedlar Bag	15.38	82.26	2.26	<0.001	<0.001	<0.001
	12/30/2015	Tedlar Bag	20.40	77.92	1.62	<0.001	<0.001	<0.001
	1/14/2016	Tedlar Bag	20.68	77.64	1.63	<0.001	<0.001	<0.001
	1/29/2016	Tedlar Bag	20.51	77.59	1.87	<0.001	<0.001	<0.001
	2/11/2016	Tedlar Bag	20.32	77.88	1.77	<0.001	<0.001	<0.001
	3/3/2016	Tedlar Bag	21.25	77.33	1.41	<0.001	<0.001	<0.001
	3/18/2016	Tedlar Bag	20.46	77.313	1.22	<0.001	<0.001	<0.001
	3/30/2016	Tedlar Bag	21.45	77.361	1.18	<0.001	<0.001	<0.001
	4/14/2016	Tedlar Bag	21.02	77.56	1.41	<0.001	<0.001	<0.001
	4/29/2016	Tedlar Bag	21.45	77.224	1.32	<0.001	<0.001	<0.001
	5/31/2016	Tedlar Bag	21.43	77.42	1.15	<0.001	<0.001	<0.001
	7/13/2018	Tedlar Bag	19.91	78.59	1.50	<0.001	<0.001	<0.001
	9/1/2018	Tedlar Bag	19.44	78.8	1.76	<0.001	<0.001	<0.001

TABLE 3A
FIXED GASES VAPOR ANALYSIS RESULTS SUMMARY

Circuit No.	Date Sampled	Sample Type/Circuit	Oxygen Mol %	Nitrogen Mol %	CO_2 Mol %	Methane Mol %	Ethane Mol %	H_2S ppm/Mol %
C-2	5/17/2012	Tedlar Bag	19.91	78.79	1.28	<0.001	<0.001	<0.001
	7/26/2012	Tedlar Bag	18.81	79.64	1.43	<0.001	<0.001	<0.001
	4/25/2013	Tedlar Bag	21.12	78.03	0.763	<0.001	<0.001	<0.001
	5/10/2013	Tedlar Bag	20.20	78.33	1.426	<0.001	<0.001	<0.001
	5/22/2013	Tedlar Bag	20.26	78.39	1.31	<0.001	<0.001	<0.001
	6/5/2013	Tedlar Bag	20.29	78.43	1.266	<0.001	<0.001	<0.001
	6/20/2013	Tedlar Bag	19.37	79.13	1.46	<0.001	<0.001	<0.001
	7/5/2013	Tedlar Bag	20.02	79.42	0.544	<0.001	<0.001	<0.001
	7/24/2013	Tedlar Bag	19.28	78.4	2.29	<0.001	<0.001	<0.001
	8/8/2013	Tedlar Bag	19.56	78.47	1.902	<0.001	<0.001	<0.001
	8/22/2013	Tedlar Bag	20.56	79.25	0.18	<0.001	<0.001	<0.001
	9/6/2013	Tedlar Bag	20.31	78.31	1.37	<0.001	<0.001	<0.001
	9/25/2013	Tedlar Bag	21.10	78.15	0.744	<0.001	<0.001	<0.001
	7/15/2014	Tedlar Bag	18.29	79.57	1.92	<0.001	<0.001	<0.001

TABLE 3A
FIXED GASES VAPOR ANALYSIS RESULTS SUMMARY

Circuit No.	Date Sampled	Sample Type/Circuit	Oxygen Mol %	Nitrogen Mol %	CO_2 Mol %	Methane Mol %	Ethane Mol %	H_2S ppm/Mol %
C-2	7/29/2014	Tedlar Bag	20.88	78.05	0.996	<0.001	<0.001	<0.001
	8/12/2014	Tedlar Bag	21.23	77.49	1.231	<0.001	<0.001	<0.001
	8/24/2014	Tedlar Bag	19.92	78.63	1.417	<0.001	<0.001	<0.001
	9/7/2014	Tedlar Bag	21.31	78.55	0.135	<0.001	<0.001	<0.001
	9/22/2014	Tedlar Bag	21.61	77.41	0.953	<0.001	<0.001	<0.001
	10/7/2014	Tedlar Bag	21.56	77.383	1.033	<0.001	<0.001	<0.001
	10/18/2014	Tedlar Bag	21.49	77.557	0.993	<0.001	<0.001	<0.001
	11/2/2014	Tedlar Bag	21.16	77.724	1.084	<0.001	<0.001	<0.001
	11/17/2014	Tedlar Bag	20.89	77.667	1.414	<0.001	<0.001	<0.001
	11/29/2014	Tedlar Bag	21.04	77.427	1.503	<0.001	<0.001	<0.001
	12/17/2014	Tedlar Bag	20.64	77.721	1.601	<0.001	<0.001	<0.001
	12/26/2015	Tedlar Bag	21.32	77.539	1.119	<0.001	<0.001	<0.001
	1/13/2015	Tedlar Bag	21.19	77.357	1.422	<0.001	<0.001	<0.001
	1/25/2015	Tedlar Bag	21.20	77.646	1.123	<0.001	<0.001	<0.001
	2/24/2015	Tedlar Bag	20.56	77.834	1.561	<0.001	<0.001	<0.001
	3/11/2015	Tedlar Bag	20.81	77.491	1.659	<0.001	<0.001	<0.001
	4/1/2015	Tedlar Bag	21.15	78.173	0.661	<0.001	<0.001	<0.001
	12/15/2015	Tedlar Bag	16.02	81.43	2.38	<0.001	<0.001	<0.001
	12/30/2015	Tedlar Bag	20.07	78.16	1.61	<0.001	<0.001	<0.001

TABLE 3A
FIXED GASES VAPOR ANALYSIS RESULTS SUMMARY

Circuit No.	Date Sampled	Sample Type/Circuit	Oxygen Mol %	Nitrogen Mol %	CO_2 Mol %	Methane Mol %	Ethane Mol %	H_2S ppm/Mol %
C-2	1/15/2016	Tedlar Bag	19.55	78.46	1.88	<0.001	<0.001	<0.001
	1/27/2016	Tedlar Bag	19.51	78.28	2.14	<0.001	<0.001	<0.001
	2/12/2016	Tedlar Bag	20.05	78.15	1.77	<0.001	<0.001	<0.001
	3/1/2016	Tedlar Bag	20.64	77.65	1.66	<0.001	<0.001	<0.001
	3/16/2016	Tedlar Bag	21.29	77.373	1.308	<0.001	<0.001	<0.001
	3/31/2016	Tedlar Bag	20.96	77.705	1.279	<0.001	<0.001	<0.001
	4/15/2016	Tedlar Bag	20.90	77.47	1.594	<0.001	<0.001	<0.001
	4/27/2016	Tedlar Bag	21.17	77.43	1.380	<0.001	<0.001	<0.001
	5/20/2016	Tedlar Bag	21.45	77.383	1.164	<0.001	<0.001	<0.001
	6/1/2016	Tedlar Bag	21.37	77.444	1.185	<0.001	<0.001	<0.001
	7/12/2018	Tedlar Bag	19.04	79.39	1.565	<0.001	<0.001	<0.001
	7/25/2018	Tedlar Bag	19.51	78.73	1.718	<0.001	<0.001	<0.001
	9/2/2018	Tedlar Bag	20.68	78.94	0.372	<0.001	<0.001	<0.001

TABLE 3A
FIXED GASES VAPOR ANALYSIS RESULTS SUMMARY

Circuit No.	Date Sampled	Sample Type/Circuit	Oxygen Mol %	Nitrogen Mol %	CO_2 Mol %	Methane Mol %	Ethane Mol %	H_2S ppm/Mol %
C-3	5/30/2012	Tedlar Bag	21.61	78.30	0.095	<0.001	<0.001	<0.001
	8/9/2012	Tedlar Bag	20.96	78.46	0.575	<0.001	<0.001	<0.001
	4/26/2013	Tedlar Bag	21.72	78.21	0.061	<0.001	<0.001	<0.001
	5/10/2013	Tedlar Bag	20.96	78.39	0.626	<0.001	<0.001	<0.001
	5/22/2013	Tedlar Bag	21.26	78.26	0.450	<0.001	<0.001	<0.001
	6/5/2013	Tedlar Bag	21.05	78.69	0.260	<0.001	<0.001	<0.001
	6/21/2013	Tedlar Bag	20.26	78.61	1.107	<0.001	<0.001	<0.001
	7/5/2013	Tedlar Bag	20.47	78.52	0.981	<0.001	<0.001	<0.001
	7/24/2013	Tedlar Bag	20.82	77.93	1.230	<0.001	<0.001	<0.001
	8/8/2013	Tedlar Bag	19.65	79.25	1.023	<0.001	<0.001	<0.001
	8/23/2013	Tedlar Bag	20.85	78.37	0.746	<0.001	<0.001	<0.001
	9/7/2013	Tedlar Bag	20.20	79.09	0.709	<0.001	<0.001	<0.001
	9/24/2013	Tedlar Bag	21.13	78.54	0.318	<0.001	<0.001	<0.001
	7/16/2014	Tedlar Bag	17.85	79.88	2.100	<0.001	<0.001	<0.001

TABLE 3A
FIXED GASES VAPOR ANALYSIS RESULTS SUMMARY

Circuit No.	Date Sampled	Sample Type/Circuit	Oxygen Mol %	Nitrogen Mol %	CO_2 Mol %	Methane Mol %	Ethane Mol %	H_2S ppm/Mol %
C-3	7/27/2014	Tedlar Bag	20.62	78.41	0.928	<0.001	<0.001	<0.001
	8/10/2014	Tedlar Bag	19.56	78.82	1.586	<0.001	<0.001	<0.001
	8/26/2014	Tedlar Bag	20.19	78.23	1.557	<0.001	<0.001	<0.001
	9/12/2014	Tedlar Bag	21.01	77.70	1.267	<0.001	<0.001	<0.001
	9/23/2014	Tedlar Bag	21.26	77.67	1.048	<0.001	<0.001	<0.001
	10/5/2014	Tedlar Bag	20.69	77.78	1.503	<0.001	<0.001	<0.001
	10/19/2014	Tedlar Bag	20.13	77.51	2.329	<0.001	<0.001	<0.001
	11/3/2014	Tedlar Bag	20.08	78.00	1.908	<0.001	<0.001	<0.001
	11/15/2014	Tedlar Bag	21.06	77.98	0.960	<0.001	<0.001	<0.001
	11/30/2014	Tedlar Bag	20.55	77.68	1.746	<0.001	<0.001	<0.001
	12/15/2014	Tedlar Bag	19.75	78.67	1.566	<0.001	<0.001	<0.001
	12/27/2014	Tedlar Bag	21.46	77.17	1.371	<0.001	<0.001	<0.001
	1/11/2015	Tedlar Bag	20.86	77.55	1.567	<0.001	<0.001	<0.001
	1/23/2015	Tedlar Bag	20.90	77.54	1.546	<0.001	<0.001	<0.001
	2/22/2015	Tedlar Bag	20.29	77.81	1.874	<0.001	<0.001	<0.001
	3/9/2015	Tedlar Bag	20.33	77.80	1.836	<0.001	<0.001	<0.001
	4/2/2015	Tedlar Bag	20.16	77.90	1.905	<0.001	<0.001	<0.001
	12/16/2015	Tedlar Bag	15.87	81.06	2.990	<0.001	<0.001	<0.001

TABLE 3A
FIXED GASES VAPOR ANALYSIS RESULTS SUMMARY

Circuit No.	Date Sampled	Sample Type/Circuit	Oxygen Mol %	Nitrogen Mol %	CO_2 Mol %	Methane Mol %	Ethane Mol %	H_2S ppm/Mol %
C-3	12/31/2016	Tedlar Bag	19.77	78.12	2.020	<0.001	<0.001	<0.001
	1/13/2016	Tedlar Bag	19.65	78.32	1.980	<0.001	<0.001	<0.001
	1/28/20416	Tedlar Bag	19.05	78.20	2.710	<0.001	<0.001	<0.001
	2/10/2016	Tedlar Bag	20.02	78.00	1.950	<0.001	<0.001	<0.001
	3/2/2016	Tedlar Bag	20.95	77.51	1.510	<0.001	<0.001	<0.001
	3/17/2016	Tedlar Bag	21.63	77.39	0.978	<0.001	<0.001	<0.001
	4/1/2016	Tedlar Bag	21.21	77.41	1.366	<0.001	<0.001	<0.001
	4/13/2016	Tedlar Bag	21.04	78.61	0.352	<0.001	<0.001	<0.001
	4/28/2016	Tedlar Bag	20.62	77.71	1.651	<0.001	<0.001	<0.001
	6/2/2016	Tedlar Bag	21.71	77.37	0.928	<0.001	<0.001	<0.001
	7/11/2018	Tedlar Bag	16.69	80.88	2.404	<0.001	<0.001	<0.001
	7/26/2018	Tedlar Bag	20.28	77.97	1.747	<0.001	<0.001	<0.001
	8/31/2018	Tedlar Bag	16.54	80.92	2.508	<0.001	<0.001	<0.001

TABLE 3A
FIXED GASES VAPOR ANALYSIS RESULTS SUMMARY

Circuit No.	Date Sampled	Sample Type/Circuit	Oxygen Mol %	Nitrogen Mol %	CO_2 Mol %	Methane Mol %	Ethane Mol %	H_2S ppm/Mol %
C-1 Stack	6/20/2013	Tedlar Bag	18.92	78.84	2.188	<0.001	<0.001	<0.001
	7/5/2013	Tedlar Bag	19.71	78.27	1.986	<0.001	<0.001	<0.001
	8/22/2013	Tedlar Bag	20.13	78.32	1.53	<0.001	<0.001	<0.001
	7/14/2014	Tedlar Bag	13.81	83.87	2.14	<0.001	<0.001	<0.001
	8/25/2014	Tedlar Bag	19.98	77.82	2.152	<0.001	<0.001	<0.001
	10/6/2014	Tedlar Bag	20.52	77.61	1.844	<0.001	<0.001	<0.001
	11/16/2014	Tedlar Bag	20.36	77.65	1.948	<0.001	<0.001	<0.001
	2/23/2015	Tedlar Bag	20.55	77.56	1.889	<0.001	<0.001	<0.001
C-2 Stack	4/25/2013	Tedlar Bag	20.95	77.96	0.943	<0.001	<0.001	<0.001
	6/5/2013	Tedlar Bag	19.97	78.58	1.388	<0.001	<0.001	<0.001
	7/24/2013	Tedlar Bag	18.43	78.93	2.52	<0.001	<0.001	<0.001
	9/6/2013	Tedlar Bag	20.17	78.36	1.433	<0.001	<0.001	<0.001
	8/12/2014	Tedlar Bag	19.89	77.94	2.02	<0.001	<0.001	<0.001
	9/22/2014	Tedlar Bag	19.96	78.23	1.683	<0.001	<0.001	<0.001
	11/2/2014	Tedlar Bag	20.25	78.20	1.48	<0.001	<0.001	<0.001
	11/29/2014	Tedlar Bag	20.15	77.87	1.885	<0.001	<0.001	<0.001
	12/28/2014	Tedlar Bag	21.19	77.22	1.558	<0.001	<0.001	<0.001
	1/25/2015	Tedlar Bag	20.69	77.94	1.312	<0.001	<0.001	<0.001
	3/11/2015	Tedlar Bag	20.85	77.48	1.636	<0.001	<0.001	<0.001

TABLE 3A
FIXED GASES VAPOR ANALYSIS RESULTS SUMMARY

Circuit No.	Date Sampled	Sample Type/Circuit	Oxygen Mol %	Nitrogen Mol %	CO_2 Mol %	Methane Mol %	Ethane Mol %	H_2S ppm/Mol %
C-3 Stack	5/10/2013	Tedlar Bag	20.26	78.84	1.063	<0.001	<0.001	<0.001
	5/22/2013	Tedlar Bag	20.41	78.66	0.87	<0.001	<0.001	<0.001
	8/8/2013	Tedlar Bag	19.47	79.36	1.085	<0.001	<0.001	<0.001
	9/24/2013	Tedlar Bag	20.54	78.84	0.574	<0.001	<0.001	<0.001
	7/27/2014	Tedlar Bag	20.03	78.83	1.053	<0.001	<0.001	<0.001
	9/8/2014	Tedlar Bag	19.18	78.31	2.427	<0.001	<0.001	<0.001
	10/19/2014	Tedlar Bag	19.66	77.68	2.605	<0.001	<0.001	<0.001
	12/15/2014	Tedlar Bag	18.98	79.19	1.798	<0.001	<0.001	<0.001
	1/11/2015	Tedlar Bag	20.49	77.69	1.809	<0.001	<0.001	<0.001
	4/2/2015	Tedlar Bag	20.19	77.87	1.915	<0.001	<0.001	<0.001

µg/L= micrograms per liter
NA=Not Analyzed

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-1	3/6/2012	V-1	1200	8	276	NR	NR	NR	NR	NR	NR	NR	NR	Circuit 1 Well V-4 Closed August 2011
		V-2	1500	10.5	215	NR	NR	NR	NR	NR	NR	NR	NR	
		V-3	OR	10	237	NR	NR	NR	NR	NR	NR	NR	NR	
		V-4	Closed	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR	
		V-5	3200	9	229	NR	NR	NR	NR	NR	NR	NR	NR	
C-1	5/29/2012	V-1	2000	7.5	0	NR	NR	NR	NR	NR	NR	NR	NR	Circuit 1 Well V-4 Closed August 2011
		V-2	1400	8.5	0	NR	NR	NR	NR	NR	NR	NR	NR	
		V-3	OR	7.5	0	NR	NR	NR	NR	NR	NR	NR	NR	
		V-4	Closed	NA	0	NR	NR	NR	NR	NR	NR	NR	NR	
		V-5	4000	6.5	0	NR	NR	NR	NR	NR	NR	NR	NR	
C-1	6/28/2012	V-1	2000	7	16	1.4	18.6	2	78	Low	0	0	28	Circuit 1 Well V-4 Closed August 2011
		V-2	1300	7	70	0.7	19.1	1.4	78.8	Low	1	0	15	
		V-3	1000	8	155	1.1	19.1	1.6	78.2	Low	2	1	23	
		V-4	Closed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-5	3900	6.5	144	1.9	18.5	1.7	78	Low	5	1	38	
C-1	8/21/2012	V-1	2400	5.5	166	1.7	17.9	2.8	77.6	Low	0	1	36	Circuit 1 Well V-4 Closed August 2011
		V-2	1300	7.5	133	1.1	18.7	2.3	77.9	Low	2	0	23	
		V-3	1000	8	8	2	20.1	0	79.8	Low	4	0	4	
		V-4	Closed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-5	1000	7	118	2.8	18.3	2.1	77.8	Low	4	1	58	
C-1	4/15/2013	V-1	1500	3	154	3.3	17.1	4.3	75.2	Low	1	1	12	Circuit 1 Well V-4 Closed August 2011
		V-2	500	2	209	2.7	19.3	2.7	75.3	Low	3	0	54	
		V-3	1500	2.5	74	2.5	19.3	2.6	75.4	Low	3	0	56	
		V-4	Closed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-5	1500	3	7	3.3	18.7	2.8	75.2	Low	4	0	68	

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-1	4/25/2013	V-1	2000	7	124	2.9	19.7	1.4	75.9	Low	0	0	63	
		V-2	1100	8	109	1.1	20.2	0.6	78.1	Low	4	0	23	
		V-3	2500	7	67	1.2	20.3	0.5	77.7	Low	5	0	31	Circuit 1 Well V-4 Closed August 2011
		V-4	Closed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-5	3500	6.5	92	1.5	20.2	0.4	77.9	Low	5	0	31	
C-1	5/11/2013	V-1	4200	6	121	1.2	18.6	1.7	78.6	Low	1	0	24	
		V-2	1600	6.5	80	1	19.7	1.2	78	Low	1	0	20	
		V-3	OR	6.5	38	0.5	20.1	0.5	78.5	Low	2	0	10	Circuit 1 Well V-4 Closed August 2011
		V-4	Closed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-5	3200	4.5	131	2.5	18.5	0.4	76.6	Low	2	1	49	
C-1	5/23/2013	V-1	4200	6	134	0.8	17	2.7	79.4	Low	0	0	19	
		V-2	2000	6.5	100	1.3	18.9	1.9	77.4	Low	1	0	27	
		V-3	3000	6.5	43	0.5	19.2	2	78.3	Low	0	0	12	Circuit 1 Well V-4 Closed August 2011
		V-4	Closed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-5	3200	4.5	166	3.3	17	3.6	76.1	Low	2	1	68	
C-1	6/5/2013	V-1	3600	6	146	1.5	16	2.8	79.4	Low	5	1	35	
		V-2	1500	6	84	0.8	17.8	1.1	77.4	Low	8	1	17	
		V-3	OR	6	56	0.6	17.3	2.1	78.3	Low	9	1	12	Circuit 1 Well V-4 Closed August 2011
		V-4	Closed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-5	3000	4.5	85	2	16.7	1.3	76.1	Low	10	1	42	
C-1	6/20/2013	V-1	3300	7.5	161	4.4	15.8	4	75.7	Low	27	0	92	
		V-2	1500	8	76	1.8	18	1.8	78.5	Low	41	0	37	
		V-3	OR	7.5	26	2	18.1	2.1	77.8	Low	41	0	43	Circuit 1 Well V-4 Closed August 2011
		V-4	Closed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-5	3300	5.5	140	4	17	2.5	76.1	Low	126	1	93	

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-1	7/5/2013	V-1	3200	7	88	2	17.5	3	77.4	Low	2	0	42	Circuit 1 Well V-4 Closed August 2011
		V-2	1500	8	68	2.3	18.6	2	77.2	Low	15	0	47	
		V-3	OR	8	10	1.2	18.8	1.9	78	Low	21	0	27	
		V-4	Closed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-5	3600	5.5	94	3.3	17.7	2.6	77.7	Low	24	0	67	
C-1	7/24/2013	V-1	3200	6.5	127	5.4	16.1	5.1	73.4	Low	2	1	OR	Circuit 1 Well V-4 Closed August 2011
		V-2	1500	8.5	43	1.7	18	3.2	77.1	Low	7	0	34	
		V-3	OR	8.5	7	0.6	19	2.1	78.3	Low	8	0	13	
		V-4	Closed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-5	3300	6	66	4.1	17.1	3.8	75	Low	9	0	83	
C-1	8/8/2013	V-1	3200	7	88	2	17.2	3.4	77	Low	2	1	42	Circuit 1 Well V-4 Closed August 2011
		V-2	1500	8.5	40	1.7	18	2.4	72.9	Low	4	1	34	
		V-3	OR	8	12	1.4	18.3	2.3	72.4	Low	6	1	32	
		V-4	Closed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-5	3300	6	84	3.3	17.3	2.8	76.1	Low	7	2	59	
C-1	8/22/2013	V-1	3200	7	53	1.6	18.7	1.9	77.8	Low	1	0	32	Circuit 1 Well V-4 Closed August 2011
		V-2	1700	8.5	50	1.8	18.9	1.7	77.6	Low	5	0	36	
		V-3	OR	8.5	15	1.4	17	1.8	77.8	Low	8	0	28	
		V-4	Closed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-5	3300	6	64	2.6	18.2	1.9	77.3	Low	10	0	52	
C-1	9/7/2013	V-1	3200	7.5	73	2	17.5	3.7	76.8	Low	1	1	41	Circuit 1 Well V-4 Closed August 2011
		V-2	1500	8.5	34	1.8	18.6	1.8	78.4	Low	2	1	24	
		V-3	OR	8	9	2.5	18.5	2.5	75	Low	3	1	20	
		V-4	Closed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-5	3200	5.5	44	2.5	17.6	2.1	77.5	Low	4	1	52	

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-1	9/23/2013	V-1	4200	7	23	0.5	20.1	0.1	79.3	Low	1	0	10	Circuit 1 Well V-4 Closed August 2011
		V-2	1600	6.5	12	0.5	20	0.1	79.4	Low	1	0	10	
		V-3	OR	6.5	0	0.1	20.3	0	79.6	Low	1	0	4	
		V-4	Closed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-5	3200	4.5	35	1.1	19.7	0.5	78.7	Low	1	0	23	
C-1	7/14/2014	V-1	2200	9.5	181	9.6	10.1	3.3	NR	NR	64	NR	NR	All Circuit 1 Wells Operating
		V-2	2200	11.5	74	2.9	16.7	1.7			42			
		V-3	2100	5.5	84	1.8	17	1.7			22			
		V-4	1000	12.5	74	61.5	12.5	4.7			80			
		V-5	2200	9.5	118	12.9	10.8	3.4			65			
C-1	7/28/2014	V-1	2000	5	78	2.6	21.2	0.7	NR	NR	46	NR	NR	All Circuit 1 Wells Operating
		V-2	1500	5.5	40	0.8	22.2	0.5			32			
		V-3	1500	3.5	48	0.4	22.4	0.4			20			
		V-4	1300	6.5	86	2	22.3	0.7			75			
		V-5	1700	4.5	38	1.1	22.4	0.4			61			
C-1	8/112014	V-1	2000	5	115	2.5	17.8	1.8	NR	NR	7	NR	NR	All Circuit 1 Wells Operating
		V-2	1200	5.5	61	0.7	19.4	1			4			
		V-3	1200	3.5	70	0.6	19.4	1.1			8			
		V-4	1200	6	86	1.7	19.5	0.9			8			
		V-5	2000	4.5	52	1	19.7	0.7			7			
C-1	8/25/2014	V-1	2400	6.5	109	3.8	16.3	3.1	NR	NR	4	NR	NR	All Circuit 1 Wells Operating
		V-2	1800	9	71	1.6	18.5	1.6			5			
		V-3	2000	5	77	0.8	18.8	1.5			5			
		V-4	2000	10	95	4.3	18.8	1.7			6			
		V-5	2700	6	56	1.1	19.7	0.8			5			

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-1	9/9/2014	V-1	2600	6.5	101	2.8	16.8	3.1	NR	NR	7	NR	NR	All Circuit 1 Wells Operating
		V-2	1900	9	68	1.9	18.3	2.2			7			
		V-3	2000	5	80	0.8	18.3	2.3			11			
		V-4	2000	10.5	85	2.2	18.7	1.6			10			
		V-5	2400	6	54	0.7	19	0.9			10			
C-1	9/21/2014	V-1	2600	6.5	504	10.3	17	3.5	NR	NR	0	NR	NR	All Circuit 1 Wells Operating
		V-2	1900	9	347	2	18.5	2.3			0			
		V-3	2000	5	289	0.7	19.9	1.5			0			
		V-4	2000	10.5	392	3	18.6	1.9			0			
		V-5	2400	6	327	1.8	18.8	1.5			0			
C-1	10/6/2014	V-1	2600	7	568	2.4	18.6	2.5	NR	NR	1	NR	NR	All Circuit 1 Wells Operating
		V-2	2000	8.5	299	0.8	20	1.2			4			
		V-3	2000	4.5	282	0.4	19.7	1.4			9			
		V-4	2000	9.5	287	0.6	20.3	0.7			6			
		V-5	2600	5	230	0.3	20.4	0.5			9			
C-1	10/20/2014	V-1	2600	7	1956	2	18.9	2.9	NR	NR	1	NR	NR	All Circuit 1 Wells Operating
		V-2	2000	8.5	1325	2.7	19.2	2.3			1			
		V-3	2000	4.5	1200	0.5	19.8	1.8			2			
		V-4	2000	9.5	1524	1.6	19.1	2.2			2			
		V-5	2600	5	1077	0.9	19 .1	1.6			1			
C-1	11/4/2014	V-1	2600	7	344	2.1	17.4	3.6	NR	NR	0	NR	NR	All Circuit 1 Wells Operating
		V-2	2000	8.5	356	1.3	18.5	2.2			0			
		V-3	2000	4.5	331	0.5	18.7	2.2			0			
		V-4	2000	9.5	861	1.4	18.6	2			0			
		V-5	2600	5	550	1.8	19 .1	1			0			

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-1	11/16/2014	V-1	2600	7	2151	2.6	20.8	3.1	NR	NR	0	NR	NR	All Circuit 1 Wells Operating
		V-2	2000	8.5	1055	1.2	22.1	2			0			
		V-3	1900	4.5	1390	0.8	21.7	2.4			0			
		V-4	2100	9.5	1325	1.8	22.1	2.1			0			
		V-5	2600	5	721	0.9	22.4	0.9			0			
C-1	11/28/2014	V-1	2600	7	1433	2.5	19.8	4.2	NR	NR	0	NR	NR	All Circuit 1 Wells Operating
		V-2	2000	8.5	833	1.7	21.4	2.8			1			
		V-3	1900	4.5	492	0.6	21.6	2.6			1			
		V-4	2100	9.5	614	0.8	22	1.8			0			
		V-5	2600	5	569	0.5	22.3	1.4			2			
C-1	12/16/2014	V-1	2600	6	793	3.1	17.7	3.9	NR	NR	0	NR	NR	All Circuit 1 Wells Operating
		V-2	1900	8.5	313	2	18.9	2.2			0			
		V-3	2900	4.5	247	0.8	19.3	2.2			0			
		V-4	2000	10.5	330	2.1	18.5	2.6			0			
		V-5	3100	5.5	361	1.7	18	2.6			0			
C-1	12/28/2014	V-1	2800	6	775	4.3	18.9	3.3	NR	NR	0	NR	NR	All Circuit 1 Wells Operating
		V-2	1900	8.5	513	2.2	18.9	2.5			0			
		V-3	2900	4.5	539	0.8	19	2.3			0			
		V-4	2000	10	775	2	18.5	2.6			0			
		V-5	3100	5.5	730	1.3	19.4	2			0			
C-1	1/12/2015	V-1	2800	6	OR	5	18.9	4.3	NR	NR	0	NR	NR	All Circuit 1 Wells Operating
		V-2	1900	8.5	1017	3.1	19.9	2.9			0			
		V-3	2900	4.5	856	0.9	20.2	2.7			0			
		V-4	2000	10	1144	1.8	20.2	2.5			0			
		V-5	3100	5.5	788	1.1	20.2	1.5			0			

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-1	1/24/2015	V-1	3400	6	1922	3.5	18.4	3.3	NR	NR	0	NR	NR	All Circuit 1 Wells Operating
		V-2	1800	7.5	1049	2	19	2.6			0			
		V-3	2600	4.5	1127	0.5	19.5	2.3			0			
		V-4	2000	10	1398	1.7	18.9	2.8			0			
		V-5	2800	6.5	1120	1.2	18.9	2.3			0			
C-1	2/23/2015	V-1	2800	6	OR	6.7	18	4.4	NR	NR	0	NR	NR	All Circuit 1 Wells Operating
		V-2	1900	8.5	1229	3	19.2	3			0			
		V-3	2900	4.5	1010	0.7	20.2	2.3			0			
		V-4	2000	10	1210	2	19.4	2.9			0			
		V-5	3100	5.5	1320	1.6	19.2	2.7			0			
C-1	3/10/2015	V-1	3400	6	537	5.9	17.4	3.4	NR	NR	1	NR	NR	All Circuit 1 Wells Operating
		V-2	1800	7.5	358	2.6	18.7	2.2			2			
		V-3	2600	4.5	280	0.7	19.6	1.9			0			
		V-4	2000	10	365	1.4	19.4	1.9			0			
		V-5	2800	6.5	288	1	19.7	1.1			1			
C-1	4/3/2015	V-1	2700	5.5	70	0.5	19.8	0.2	NR	NR	0	NR	NR	All Circuit 1 Wells Operating
		V-2	1800	8.5	39	0.2	19.8	0.2			0			
		V-3	1900	4	3	0	19.6	0.8			0			
		V-4	2000	9	22	0.2	19.7	0.4			0			
		V-5	OR	5.5	16	0.1	19.8	2.1			0			
C-1	12/14/2015	V-1	2200	7.5	1347	3.3	14.4	2.9	NR	NR	1	NR	NR	All Circuit 1 Wells Operating
		V-2	2100	9.5	234	1.8	17.4	1.2			3			
		V-3	1400	5	226	0.9	17.6	1.2			2			
		V-4	1200	7.5	599	2.7	18.3	0.8			1			
		V-5	1900	5	306	2.6	14.7	2.1			3			

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-1	1/1/2016	V-1	3200	5	434	1.9	11.7	2.6	NR	NR	34	NR	NR	All Circuit 1 Wells Operating
		V-2	2100	8.5	155	0.7	21.3	1.1			10			
		V-3	2100	4	225	0.4	21.2	1.4			11			
		V-4	1200	7.5	323	1.1	21.4	1.1			20			
		V-5	OR	5.5	134	0.3	21.7	0.6			4			
C-1	1/14/2016	V-1	3400	5	255	0.4	22	0.7	NR	NR	0	NR	NR	All Circuit 1 Wells Operating
		V-2	2000	8.5	116	0.2	22.2	0.4			1			
		V-3	2100	5	185	0.3	21.9	0.6			0			
		V-4	3200	7	206	0.3	22.3	0.4			0			
		V-5	OR	7	190	0.1	22.3	0.2			0			
C-1	1/29/2016	V-1	3200	5.5	273	0.9	20.6	0.9	NR	NR	21	NR	NR	All Circuit 1 Wells Operating
		V-2	2200	8.5	75	0.3	21	0.5			7			
		V-3	2400	5	123	0.3	21	0.6			8			
		V-4	1600	7.5	180	0.6	20.7	0.8			9			
		V-5	OR	6.5	206	0.4	20.5	0.8			5			
C-1	2/11/2016	V-1	3400	6.5	380	1.5	20.1	1.5	NR	NR	31	NR	NR	All Circuit 1 Wells Operating
		V-2	1900	9	60	0.1	20.7	0.7			10			
		V-3	2000	6	215	0.4	20.9	0.7			18			
		V-4	1200	8	293	1.1	20.2	1.2			31			
		V-5	OR	7	219	0.5	20.3	0.9			13			
C-1	3/2/2016	V-1	3200	6	295	1.9	18.9	2	NR	NR	19	NR	NR	All Circuit 1 Wells Operating
		V-2	2000	9.5	52	0.4	19.7	12			8			
		V-3	2000	5	119	0.6	19.8	1.2			7			
		V-4	3300	7.5	197	1.1	19.7	1.3			21			
		V-5	2700	6	170	0.6	19.9	0.8			10			

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-1	3/18/2016	V-1	3100	5.5	125	0.1	19.3	0.5	NR	NR	3	NR	NR	All Circuit 1 Wells Operating
		V-2	2000	9	50	0	19.5	0.2			3			
		V-3	2100	5	103	0	19.5	0.2			5			
		V-4	1800	7.5	99	0.1	19.3	0.4			4			
		V-5	2200	6	216	0	19.4	0.3			4			
C-1	3/30/2016	V-1	2800	5	121	0.2	20.9	0.4	NR	NR	0	NR	NR	All Circuit 1 Wells Operating
		V-2	2000	8	252	0.1	21	0.2			0			
		V-3	2600	5	100	.2.4	21.9	0.1			0			
		V-4	1200	7	121	0.4	20.6	0.1			0			
		V-5	OR	6	115	0.6	21.2	0.3			0			
C-1	4/14/2016	V-1	2800	5	862	1.3	17.9	3	NR	NR	2	NR	NR	All Circuit 1 Wells Operating
		V-2	2000	8	448	1.6	19.6	1.4			0			
		V-3	2000	5	439	0.7	19.4	1.8			0			
		V-4	1300	7	614	1.7	19.4	1.7			0			
		V-5	2800	6	360	0.5	19.5	1.2			0			
C-1	4/29/2016	V-1	2600	5.5	680	1.1	19.3	2.4	NR	NR	1	NR	NR	All Circuit 1 Wells Operating
		V-2	2100	9	321	1.2	19.7	1.4			5			
		V-3	2700	6	501	0.8	19.9	1.7			2			
		V-4	1400	7	552	1.6	19.2	2.1			6			
		V-5	NR	5	455	0.9	19.4	1.7			1			
C-1	5/19/2016	V-1	2800	5	425	1.1	18	2.8	NR	NR	7	NR	NR	All Circuit 1 Wells Operating
		V-2	2000	7.5	410	4.6	19.1	1.3			10			
		V-3	3000	5.5	141	0.7	19.1	1.8			0			
		V-4	1200	6	132	1.1	19.3	1.6			5			
		V-5	NR	5	182	0.6	19.2	1.1			2			

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-1	5/31/2016	V-1	2400	6	437	0.7	18.7	2.8	NR	NR	0	NR	NR	All Circuit 1 Wells Operating
		V-2	2000	8.5	121	1.6	19.8	1.3			0			
		V-3	3000	5.5	117	0.6	19.6	1.8			0			
		V-4	1500	7	111	1.2	19.8	1.6			0			
		V-5	3200	5.5	74	0.6	19.8	1.1			0			
C-1	7/12/2018	V-1	2000	4	455	1.1	12.7	3.6	NR	NR	4	NR	NR	All Circuit 1 Wells Operating
		V-2	1400	4	277	0.9	18.4	1.3			5			
		V-3	1000	3	161	0.2	17.4	1.9			6			
		V-4	1000	5	447	1.1	17.1	1.6			7			
		V-5	1800	4.5	139	0.6	17.7	2.2			8			
C-1	7/27/2018	V-1	2000	2.5	705	1.8	16.1	4.3	NR	NR	0	NR	NR	All Circuit 1 Wells Operating
		V-2	1500	5	334	1.1	18.9	2.6			0			
		V-3	1000	2.5	236	0.4	19	2			0			
		V-4	1000	4.5	800	2.7	17	2.1			1			
		V-5	1500	2	331	0.2	19	2.8			1			
C-1	9/1/2018	V-1	1800	4.5	745	2.1	13	5.6	NR	NR	3	NR	NR	All Circuit 1 Wells Operating
		V-2	1100	5.5	380	1.3	16.9	3.3			2			
		V-3	800	4	187	0.5	19.3	1.9			1			
		V-4	900	5.5	450	2.4	17.5	2.7			1			
		V-5	1500	4	207	1.6	17.6	3			1			
C-1	9/28/2018	V-1	2000	4.5	795	1.7	18.3	5.6	NR	NR	0	NR	NR	All Circuit 1 Wells Operating
		V-2	1500	6	132	0.7	20.9	2.3			0			
		V-3	1000	4	158	0.2	21.7	2			0			
		V-4	1200	5.5	665	2.7	19.3	3.3			1			
		V-5	2200	5	248	0.9	20.5	2.8			0			

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-2	3/7/2012	V-6	2500	2	6	NR	NR	NR	NR	NR	NR	NR	NR	Circuit 2 Wells V-8 and V-9 Clsoed August 2011
		V-7	OR	11	6	NR	NR	NR	NR	NR	NR	NR	NR	
		V-8	Closed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-9	Closed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-10	OR	10.5	229	NR	NR	NR	NR	NR	NR	NR	NR	
C-2	4/19/2012	V-6	1600	11.5	499	24	13.8	37	58.1	Low	4	1	>100	Circuit 2 Wells V-8 and V-9 Clsoed August 2011
		V-7	3400	8	234	1.7	18.7	2.9	76.6	Low	4	1	36	
		V-8	Closed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-9	Closed	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR	
		V-10	OR	5.5	304	19.2	8.3	8.3	63.9	Low	6	1	>100	
C-2	5/17/2012	V-6	1600	10	506	19.8	14.5	5.7	68.8	Low	1	2	>100	Circuit 2 Wells V-8 and V-9 Clsoed August 2011
		V-7	3200	8	278	4.6	18	2.9	74.4	Low	4	1	96	
		V-8	Closed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-9	Closed	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR	
		V-10	OR	6	342	24.8	8.8	7.9	57.4	Low	7	3	>100	
C-2	5/29/2012	V-6	2500	11	0	NR	NR	NR	NR	NR	NR	NR	NR	Circuit 2 Wells V-8 and V-9 Clsoed August 2011
		V-7	OR	9	0	NR	NR	NR	NR	NR	NR	NR	NR	
		V-8	Closed	NR	0	NR	NR	NR	NR	NR	NR	NR	NR	
		V-9	Closed	NR	0	NR	NR	NR	NR	NR	NR	NR	NR	
		V-10	1500	7	0	NR	NR	NR	NR	NR	NR	NR	NR	
C-2	6/14/2012	V-6	1560	6	0	0.1	17	0	82.9	Low	0	0	2	Circuit 2 Wells V-8 and V-9 Clsoed August 2011
		V-7	1000	5	0	0.1	17.1	0	82.8	Low	0	0	2	
		V-8	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-9	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-10	1000	4	0	0	17.1	0	82.7	Low	0	0	1	

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-2	7/26/2012	V-6	2500	4	35	1.6	18.2	0.3	79.7	Low	26	1	34	Circuit 2 Wells V-8 and V-9 Clsoed August 2011
		V-7	1000	8	38	1.1	18.8	0.6	79.4	Low	25	1	27	
		V-8	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-9	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-10	1000	6	45	1.6	14.6	3.7	79.9	Low	33	1	36	
C-2	8/22/2012	V-6	2400	6	28	7	19.5	0	79.8	Low	2	0	15	Circuit 2 Wells V-8 and V-9 Clsoed August 2011
		V-7	1000	7.5	18	5	19.7	0	79.8	Low	2	0	11	
		V-8	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-9	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-10	1000	7.5	10	0.6	18.6	0.2	80.6	Low	2	0	13	
C-2	4/15/2013	V-6	1000	4	144	3.9	16.1	4.1	67.8	Low	6	2	OR	Circuit 2 Wells V-8 and V-9 Clsoed August 2011
		V-7	1000	3	114	3.6	18.9	2.2	75.3	Low	5	1	76	
		V-8	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-9	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-10	1000	4.5	70	1.1	16.5	4.2	78.1	Low	5	0	25	
C-2	4/25/2013	V-6	1000	4	146	24.8	18.7	2	74.5	Low	3	0	OR	Circuit 2 Wells V-8 and V-9 Clsoed August 2011
		V-7	1500	3	202	5.1	19.5	0.8	74.9	Low	6	0	92	
		V-8	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-9	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-10	1500	4.5	89	1.6	19.1	1	78.3	Low	1	0	16.3	
C-2	5/10/2013	V-6	2700	12	138	2.6	19.7	1.6	76.1	Low	1	0	57	Circuit 2 Wells V-8 and V-9 Clsoed August 2011
		V-7	3500	10	129	1.6	20.9	1.3	76.8	Low	2	1	33	
		V-8	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-9	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-10	3500	10	69	1.3	19.6	1.8	78.3	Low	2	0	27	

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-2	5/22/2013	V-6	1100	11	68	7.5	16.8	2	73.7	Low	6	1	OR	Circuit 2 Wells V-8 and V-9 Clsoed August 2011
		V-7	2800	8	130	1.8	18.5	1.3	78.1	Low	0	1	38	
		V-8	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-9	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-10	2700	10	57	1.6	17.2	2.5	78.7	Low	1	0	32	
C-2	6/5/2013	V-6	2800	9	157	9.4	16.8	1.7	71.7	Low	3	2	OR	Circuit 2 Wells V-8 and V-9 Clsoed August 2011
		V-7	OR	10.5	188	1.8	17.3	1.7	79.2	Low	9	1	38	
		V-8	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-9	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-10	2400	8.5	57	1.3	16.3	2.2	80.2	Low	15	1	26	
C-2	6/20/2013	V-6	2400	11.5	109	7.5	17	1.2	74.2	Low	166	1	OR	Circuit 2 Wells V-8 and V-9 Clsoed August 2011
		V-7	OR	9	131	3.4	18.5	1.3	76.7	Low	66	0	70	
		V-8	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-9	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-10	2700	10	6.5	2.5	14.8	4	78.1	Low	64	0	52	
C-2	7/5/2013	V-6	2200	5.5	30	1.1	19.2	0.6	79.1	Low	5	0	23	Circuit 2 Wells V-8 and V-9 Clsoed August 2011
		V-7	OR	7	38	1.3	20.1	0	78.6	Low	6	0	26	
		V-8	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-9	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-10	OR	10	28	1.3	17.4	0.7	79.6	Low	1	0	27	
C-2	7/24/2013	V-6	2700	6	30	8.3	16.6	2.9	72.1	Low	1	1	OR	Circuit 2 Wells V-8 and V-9 Clsoed August 2011
		V-7	OR	9	31	2.1	19	1.8	77	Low	2	0	45	
		V-8	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-9	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-10	3100	11	23	2.6	16.2	3.8	77.3	Low	4	0	54	

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-2	8/8/2013	V-6	2600	10.5	86	5.5	17.8	2.9	73.6	Low	5	2	OR	Circuit 2 Wells V-8 and V-9 Clsoed August 2011
		V-7	OR	9	142	7.5	19.1	1.9	71.6	Low	12	2	OR	
		V-8	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-9	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-10	OR	11	54	3.5	16.2	4.3	75.9	Low	16	2	73	
C-2	8/22/2013	V-6	1700	9.5	12	0.8	18.8	0.1	80.2	Low	4	0	18	Circuit 2 Wells V-8 and V-9 Clsoed August 2011
		V-7	OR	7.5	22	1	19.7	0	79.3	Low	5	0	21	
		V-8	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-9	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-10	OR	7.5	18	1	18.2	0.2	80.6	Low	5	0	22	
C-2	9/6/2013	V-6	2600	6	58	1.8	18.8	18	77.7	Low	7	1	36	Circuit 2 Wells V-8 and V-9 Clsoed August 2011
		V-7	OR	9	63	2.4	17.5	2.5	78.8	Low	9	1	26	
		V-8	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-9	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-10	2500	12	37	1.3	18.8	1.3	77.2	Low	5	2	57	
C-2	9/25/2013	V-6	2400	9	68	0.8	20.2	0.6	78.4	Low	0	0	16	Circuit 2 Wells V-8 and V-9 Clsoed August 2011
		V-7	OR	9.5	79	1.1	20.2	0.7	78	Low	0	0	23	
		V-8	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-9	Closed	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-10	1200	36	36	1.1	19.4	1.7	77.8	Low	0	0	22	
C-2	7/15/2014	V-6	1600	5.5	85	32.4	17.1	1.7	NR	NR	97	NR	NR	All Circuit 2 Wells Operating
		V-7	1500	6	200	7.4	18.4	1.1			31			
		V-8	700	14	111	6.5	18.4	1.5			81			
		V-9	600	14	36	OR	10.2	7.6			81			
		V-10	1600	8	89	5.3	17.7	2.2			64			

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-2	7/29/2014	V-6	1400	6	72	6.6	22.1	0.5	NR	NR	80	NR	NR	All Circuit 2 Wells Operating
		V-7	1500	3.5	73	0.7	22.4	0.3			20			
		V-8	1000	12.5	92	2.5	22.2	0.4			70			
		V-9	1000	11	76	2.3	22.2	0.8			74			
		V-10	1500	5	37	1	21.9	0.7			51			
C-2	8/12/2014	V-6	1100	6	60	19.1	18.5	1.5	NR	NR	9	NR	NR	All Circuit 2 Wells Operating
		V-7	1000	3.5	125	1.3	19.8	1			9			
		V-8	1000	15	102	2.3	19.6	1.1			12			
		V-9	1000	17	75	8.6	18	2.7			15			
		V-10	1700	5	45	1.2	18.7	1.5			13			
C-2	8/24/2014	V-6	1600	6	78	6.9	18.2	1.8	NR	NR	0	NR	NR	All Circuit 2 Wells Operating
		V-7	1500	4	91	0.7	19.7	1.1			0			
		V-8	1000	14	85	3.5	18	1.5			0			
		V-9	1000	12.5	68	4.8	16.9	2.5			0			
		V-10	2000	5	50	3.1	15	3.4			0			
C-2	9/7/2014	V-6	1500	6	23	0.7	19.7	0.2	NR	NR	0	NR	NR	All Circuit 2 Wells Operating
		V-7	1500	3	6	0.1	20.2	0.1			2			
		V-8	1000	15.5	12	0.4	20	0.1			1			
		V-9	1000	16.5	15	0.6	19.2	0.2			2			
		V-10	17000	4	18	1.2	16.1	0.5			2			
C-2	9/22/2014	V-6	1500	6	73	28.6	17.5	2.1	NR	NR	0	NR	NR	All Circuit 2 Wells Operating
		V-7	1500	3	804	1.1	20.5	1			0			
		V-8	1000	15.5	613	1.6	20.4	1.1			0			
		V-9	1000	16.5	435	3.9	19.2	1.8			0			
		V-10	17000	4	228	0.9	19.8	1.4			0			

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-2	10/7/2014	V-6	1600	6	387	1.6	21	0.9	NR	NR	2	NR	NR	All Circuit 2 Wells Operating
		V-7	1500	3	579	0.6	20.8	1			3			
		V-8	1000	14.5	382	0.7	21	0.6			2			
		V-9	1000	12.5	321	0.9	20.6	1			0			
		V-10	2000	3.5	249	0.9	19.3	1.9			6			
C-2	10/18/2014	V-6	1600	6	844	6.5	17.3	2.1	NR	NR	0	NR	NR	All Circuit 2 Wells Operating
		V-7	1500	3	1144	1.4	19.3	1.4			2			
		V-8	1000	14.5	782	3.9	17.9	1.6			2			
		V-9	1000	12.5	576	3.4	17.7	2			3			
		V-10	2000	3.5	379	0.8	17.8	2.2			5			
C-2	11/2/2014	V-6	1900	6	418	0.8	19.2	1.1	NR	NR	0	NR	NR	All Circuit 2 Wells Operating
		V-7	1500	3	365	0.9	19.4	1.1			0			
		V-8	1000	14.5	338	0.7	19.2	1.3			0			
		V-9	1000	12.5	297	0.4	18.9	1.5			0			
		V-10	2000	3.5	99	0.2	18.5	1.6			1			
C-2	11/17/2014	V-6	1900	6	668	4.8	21.3	1.7	NR	NR	0	NR	NR	All Circuit 2 Wells Operating
		V-7	1400	3	1928	0.8	22	1.4			0			
		V-8	1000	14.5	2300	0.4	22.1	1.3			0			
		V-9	1100	12.5	1632	1.8	21.4	2.2			0			
		V-10	2000	3.5	1633	0.9	20.8	2			0			
C-2	11/29/2014	V-6	1900	6	1523	12.8	19.8	1.7	NR	NR	0	NR	NR	All Circuit 2 Wells Operating
		V-7	1400	3	2381	1.3	22	1.8			0			
		V-8	1000	14.5	1685	3	21.5	2			0			
		V-9	1100	12.5	1097	4	19.6	3.5			0			
		V-10	2000	3.5	388	0.7	20.8	2.5			0			

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-2	12/17/2014	V-6	1600	6	1034	22.1	17.4	2.9	NR	NR	1	NR	NR	All Circuit 2 Wells Operating
		V-7	1400	2	884	1.8	19.3	1.6			0			
		V-8	1000	11.5	823	2.9	19	1.7			0			
		V-9	2500	11.5	841	5.3	18.1	3.7			0			
		V-10	1800	2.5	413	1.4	18.2	2.6			0			
C-2	12/26/2015	V-6	1200	6	339	8.7	19.5	2.2	NR	NR	0	NR	NR	All Circuit 2 Wells Operating
		V-7	1500	2	388	1.2	20.5	1.5			0			
		V-8	1000	16	286	2.7	20.1	1.8			0			
		V-9	1000	15	419	7	17.9	3.8			0			
		V-10	1000	3.5	142	0.9	19.8	2.3			0			
C-2	1/13/2015	V-6	1200	6	1917	15.4	19.5	2.8	NR	NR	0	NR	NR	All Circuit 2 Wells Operating
		V-7	1500	2	OR	1.9	20.4	2.3			0			
		V-8	1000	16	OR	12.2	18.9	3.2			0			
		V-9	1000	15	1955	8.3	19.1	5.6			0			
		V-10	1000	3.5	735	1.3	19.8	3.2			0			
C-2	1/25/2015	V-6	1100	6	983	7.5	18.3	2.2	NR	NR	0	NR	NR	All Circuit 2 Wells Operating
		V-7	1500	1.5	1773	0.8	19.9	1.3			0			
		V-8	1000	16	1574	7.1	18.3	2.3			0			
		V-9	1500	16	590	16.5	15.2	5.4			0			
		V-10	1500	3.5	327	0.6	19.3	2.1			0			
C-2	2/24/2015	V-6	1200	6	1734	14.4	17.6	3.3	NR	NR	0	NR	NR	All Circuit 2 Wells Operating
		V-7	1500	2	OR	2.6	20	1.9			0			
		V-8	1000	16	1565	12.9	17.8	3.3			0			
		V-9	1500	15	730	22.7	14	6.9			0			
		V-10	1000	3.5	257	0.7	19.1	3			0			

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-2	3/11/2015	V-6	1100	6	1033	10.7	18.4	2.4	NR	NR	1	NR	NR	All Circuit 2 Wells Operating
		V-7	1500	6.5	1535	1.8	20	1.5			0			
		V-8	1000	16	1052	9.4	18.2	2.3			2			
		V-9	1500	16	917	6.7	17.6	5.7			3			
		V-10	1500	3.5	492	0.9	18.7	2.6			0			
C-2	4/1/2015	V-6	1500	6.5	178	2.4	18.4	0.6	NR	NR	0	NR	NR	All Circuit 2 Wells Operating
		V-7	2600	9	286	1.4	19.1	0.5			0			
		V-8	1500	14.5	220	2	18.4	0.8			0			
		V-9	1800	14.5	254	6.4	14.4	2.5			1			
		V-10	3800	3	130	0.5	17.8	1.5			0			
C-2	12/15/2015	V-6	1600	7.5	111	17.5	17.6	2.7	NR	NR	4	NR	NR	All Circuit 2 Wells Operating
		V-7	1200	6.5	OR	4	18.3	2			3			
		V-8	1100	16.5	1355	43.7	15.9	3.4			3			
		V-9	2700	15	1421	24.7	10.3	7.8			5			
		V-10	2200	7	980	1.8	14.6	4.1			2			
C-2	12/30/2015	V-6	1700	7	181	0.1	19.9	1	NR	NR	3	NR	NR	All Circuit 2 Wells Operating
		V-7	2200	4.5	7.65	3.4	18.5	3.2			22			
		V-8	1100	16.5	779	4.6	18.9	1.6			35			
		V-9	1200	15.5	635	0.5	20.2	0.8			4			
		V-10	1100	3.5	1103	2.9	19.9	1.1			29			
C-2	1/15/2016	V-6	1600	7	244	1.6	21.1	0.8	NR	NR	0	NR	NR	All Circuit 2 Wells Operating
		V-7	2400	6	300	0.4	22	0.4			0			
		V-8	1200	15.5	269	2.5	21	0.8			0			
		V-9	NR	15.5	280	2.7	19.8	2.5			1			
		V-10	2500	8.5	150	0.1	21.8	0.5			0			

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-2	1/27/2016	V-6	2400	8	262	0.6	208	0.6	NR	NR	8	NR	NR	All Circuit 2 Wells Operating
		V-7	3400	8	395	0.3	210	0.5			3			
		V-8	1000	14	258	0.3	209	0.5			7			
		V-9	1500	14	310	0.8	204	1.2			6			
		V-10	1100	15	301	0.1	207	0.7			1			
C-2	2/12/2016	V-6	2400	8	319	2.5	19.3	1.7	NR	NR	22	NR	NR	All Circuit 2 Wells Operating
		V-7	3400	8	600	1	20.3	0.8			0			
		V-8	1000	14	263	2.2	19.4	1			21			
		V-9	1500	14	343	5	17.2	3.4			30			
		V-10	1100	15	299	0.3	19.7	1.4			5			
C-2	3/1/2016	V-6	2200	8.5	395	3.3	18.6	1.6	NR	NR	31	NR	NR	All Circuit 2 Wells Operating
		V-7	3900	6.5	355	1.2	19.5	1.1			12			
		V-8	1100	15	219	8	16.8	2.2			49			
		V-9	1300	15	228	8.1	15.8	4.1			67			
		V-10	3700	8.5	138	0.7	18.6	1.8			22			
C-2	3/16/2016	V-6	3100	7.5	275	3.6	19.5	1.2	NR	NR	5	NR	NR	All Circuit 2 Wells Operating
		V-7	2800	5	356	0.9	20.3	1			2			
		V-8	1200	14	244	7.4	18.7	1.5			1			
		V-9	NR	14	246	3.1	18.8	3.8			9			
		V-10	3800	6.5	116	0.3	19.8	1.4			9			
C-2	3/31/2016	V-6	3100	7.5	117	0.1	21.4	0.4	NR	NR	0	NR	NR	All Circuit 2 Wells Operating
		V-7	2800	5	57	0.6	20.9	1.2			0			
		V-8	1200	14	85	0.1	21.5	0.3			0			
		V-9	1400	14	80	0.2	21.6	0.2			0			
		V-10	3800	6.5	87	0.2	21.6	0.2			0			

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-2	4/15/2016	V-6	2800	6.5	820	5.2	18.7	2	NR	NR	2	NR	NR	All Circuit 2 Wells Operating
		V-7	2500	5.5	1173	1.6	19	1.7			3			
		V-8	1000	13.5	1049	2.8	18.5	1.8			2			
		V-9	OR	13.5	821	4.2	16.7	5.6			2			
		V-10	3600	6	148	1.3	17.7	2			1			
C-2	4/27/2016	V-6	1800	8	750	3.1	19.5	1.2	NR	NR	4	NR	NR	All Circuit 2 Wells Operating
		V-7	2700	5.5	994	1	19	1			2			
		V-8	1200	13.5	780	3.2	18.6	1.5			1			
		V-9	OR	13.5	541	3	18.7	3.8			8			
		V-10	3500	7.5	302	0.6	19.4	1.4			8			
C-2	5/20/2016	V-6	2000	7.5	612	0.8	20.1	0.4	NR	NR	9	NR	NR	All Circuit 2 Wells Operating
		V-7	3600	7	366	0.4	20.1	0.5			2			
		V-8	1200	13.5	368	0.3	20.2	0.5			0			
		V-9	OR	13	192	0.5	20	0.5			8			
		V-10	2700	9.5	108	0.1	20.1	0.2			8			
C-2	6/1/2016	V-6	2000	9	207	1.4	20.1	0.5	NR	NR	2	NR	NR	All Circuit 2 Wells Operating
		V-7	3600	7	280	0.3	20.6	0.3			0			
		V-8	1200	13	251	0.3	20.6	0.3			0			
		V-9	OR	12.5	208	1	19.8	1.4			1			
		V-10	2600	7.5	110	0.2	20.1	0.8			0			
C-2	7/13/2018	V-6	1300	7.5	256	2.4	18.7	1.6	NR	NR	4	NR	NR	All Circuit 2 Wells Operating
		V-7	2500	6	272	1.2	18.4	1.6			4			
		V-8	900	8.5	359	3.1	18.2	1.6			7			
		V-9	700	8	317	3	16.9	3.4			9			
		V-10	2000	8	120	0.6	16.9	2.8			10			

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-2	7/25/2018	V-6	1100	6	580	0.3	19.6	0.8	NR	NR	0	NR	NR	All Circuit 2 Wells Operating
		V-7	2500	5.5	315	1.7	18.2	2.3			0			
		V-8	500	8	263	2.8	18.3	2.1			3			
		V-9	500	8	247	6.5	17.6	2.4			6			
		V-10	1200	7.5	165	1.6	15.5	3.9			7			
C-2	9/2/2018	V-6	1200	6	271	1.4	19.6	0.6	NR	NR	2	NR	NR	All Circuit 2 Wells Operating
		V-7	3100	4.5	300	1.1	19.9	0.3			1			
		V-8	900	9	305	2.2	19.7	0.5			1			
		V-9	1100	7	259	1.9	19.6	0.6			1			
		V-10	1600	7	135	0.7	17.8	1.3			1			
C-2	9/29/2018	V-6	1000	7.5	122	0.3	22.4	0.3	NR	NR	0	NR	NR	All Circuit 2 Wells Operating
		V-7	2700	5	77	0.4	22.3	0.3			0			
		V-8	1000	9	151	1.1	22.1	0.4			0			
		V-9	1100	7.5	130	1	21.5	1.8			0			
		V-10	1500	7.5	71	0.5	19.6	1.3			0			
C-3	3/7/2012	V-11	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	Quarter 6 System Startup. Circuit 3 Wells V-11, V-12 & V-15 Closed August 2011
		V-12	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-13	OR	13.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-14	2000	13.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-15	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
C-3	3/22/2012	V-11	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	Circuit 3 Wells V-11, V-12 & V-15 Closed August 2011
		V-12	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-13	OR	13.75	56	0.4	19.9	0.2	79.5	Low	0	0	10	
		V-14	OR	13.5	41	1.4	19.5	0.4	78.5	Low	0	0	34	
		V-15	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-3	4/5/2012	V-11	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	Circuit 3 Wells V-11, V-12 & V-15 Closed August 2011
		V-12	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-13	OR	6	8	0.1	19.7	0.3	79.9	Low	0	0	3	
		V-14	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-15	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
C-3	5/3/2012	V-11	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	Circuit 3 Wells V-11, V-12 & V-15 Closed August 2011
		V-12	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-13	OR	5.5	0	0	19.8	0	80.2	Low	0	0	0	
		V-14	2300	5.5	10	0	19.9	0	80.1	Low	0	0	0	
		V-15	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
C-3	5/29/2012	V-11	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	Circuit 3 Wells V-11, V-12 & V-15 Closed August 2011
		V-12	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-13	OR	5.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-14	OR	5	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-15	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
C-3	7/13/2012	V-11	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	Circuit 3 Wells V-11, V-12 & V-15 Closed August 2011
		V-12	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-13	1000	11	151	6.2	16.7	3.6	73.2	Low	0	1	>100	
		V-14	1000	10.5	190	11.5	17.1	2.2	69.1	Low	3	1	>100	
		V-15	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
C-3	8/9/2012	V-11	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	Circuit 3 Wells V-11, V-12 & V-15 Closed August 2011
		V-12	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-13	1000	11	133	0.2	19.7	0.1	80.3	Low	0	0	2	
		V-14	1000	10.5	60.7	0	19.7	0	80.3	Low	0	1	1	
		V-15	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-3	4/14/2013	V-11	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	Circuit 3 Wells V-11, V-12 & V-15 Closed August 2011
		V-12	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-13	OR	13.5	247	3.1	19.1	2.1	75.6	Low	0	1	66	
		V-14	OR	13	150	4.6	19	1.5	74.9	Low	3	1	17.1	
		V-15	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
C-3	4/26/2013	V-11	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	Circuit 3 Wells V-11, V-12 & V-15 Closed August 2011
		V-12	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-13	OR	9.5	31	0.6	20.7	0.2	78.5	Low	0	0	11	
		V-14	2500	7	39	0.6	20.7	0.1	78.5	Low	0	0	15	
		V-15	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
C-3	5/22/2013	V-11	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	Circuit 3 Wells V-11, V-12 & V-15 Closed August 2011
		V-12	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-13	OR	15	0	0.3	20.6	0.3	78.8	Low	0	0	7	
		V-14	4000	15	11	1.4	19.8	0.7	78	Low	0	0	33	
		V-15	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
C-3	6/5/2013	V-11	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	Circuit 3 Wells V-11, V-12 & V-15 Closed August 2011
		V-12	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-13	3200	11.5	34	0.6	17.8	0.4	81.2	Low	4	0	12	
		V-14	3200	11.5	4	0.4	18.4	0	81.2	Low	4	1	8	
		V-15	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
C-3	7/6/2013	V-11	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	Circuit 3 Wells V-11, V-12 & V-15 Closed August 2011
		V-12	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-13	OR	12.5	66	1.7	19.1	1.5	77.7	Low	1	0	36	
		V-14	3500	12.5	71	2.8	18.9	1.1	77.2	Low	4	0	52	
		V-15	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-3	8/8/2013	V-11	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	Circuit 3 Wells V-11, V-12 & V-15 Closed August 2011
		V-12	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-13	OR	14	174	5	17.9	1.4	75.6	Low	2	2	OR	
		V-14	OR	14	88	5.3	17.7	1.6	76.1	Low	7	3	OR	
		V-15	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
C-3	8/23/2013	V-11	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	Circuit 3 Wells V-11, V-12 & V-15 Closed August 2011
		V-12	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-13	OR	15	32	1.1	20.2	0.6	78.1	Low	0	0	22	
		V-14	3800	14.5	24	1.1	20.1	0.7	78.2	Low	1	0	22	
		V-15	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
C-3	9/7/2013	V-11	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	Circuit 3 Wells V-11, V-12 & V-15 Closed August 2011
		V-12	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-13	OR	14	26	1	18.4	0.9	79.7	Low	2	1	21	
		V-14	OR	10	31	1.2	18.3	1	79.6	Low	2	0	24	
		V-15	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
C-3	9/24/2013	V-11	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	Circuit 3 Wells V-11, V-12 & V-15 Closed August 2011
		V-12	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		V-13	OR	9.5	30	0.4	20.2	0.2	79.2	Low	0	0	9	
		V-14	OR	11	40	2.2	18.8	1	77.9	Low	0	0	43	
		V-15	Closed	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	
C-3	7/16/2014	V-11	1300	14	84	9.8	16.4	3.2	NR	NR	66	NR	NR	All Circuit 3 Wells Operating
		V-12	1400	13	106	52.5	14.7	3.7			107			
		V-13	2700	7.5	152	3	19.1	0.8			42			
		V-14	2500	10	80	17	17.1	1.7			34			
		V-15	2500	8	120	7.4	15.6	3			39			

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-3	7/27/2014	V-11	1500	7	60	6.6	19.4	1.6	NR	NR	65	NR	NR	All Circuit 3 Wells Operating
		V-12	1000	6.5	122	4	21.5	0.7			98			
		V-13	2000	4.5	81	0.6	22.7	0.2			30			
		V-14	1800	5.5	36	0.5	22	0.7			29			
		V-15	1000	4	39	0.4	22.2	0.6			20			
C-3	8/10/2014	V-11	1500	7	77	3.4	18.1	2	NR	NR	4	NR	NR	All Circuit 3 Wells Operating
		V-12	1000	6.5	135	8.3	17.8	1.9			3			
		V-13	2000	4.5	139	1.2	19.7	1			0			
		V-14	1500	5.5	80	1.9	19.2	0.9			1			
		V-15	1000	4	56	1	18.3	2.1			8			
C-3	8/26/2014	V-11	1800	10	66	3.1	17.5	1.9	NR	NR	3	NR	NR	All Circuit 3 Wells Operating
		V-12	1400	11	92	3.9	18.4	1.4			4			
		V-13	2700	6.5	160	2.6	18.9	1.5			5			
		V-14	2400	9.5	85	3.6	17.8	1.4			3			
		V-15	1000	6	44	1.1	17.5	2.5			6			
C-3	9/8/2014	V-11	2000	12	41	0.7	19	1.1	NR	NR	0	NR	NR	All Circuit 3 Wells Operating
		V-12	1300	11.5	106	6.5	17.3	2.8			4			
		V-13	2700	7	105	0.8	19.7	0.7			11			
		V-14	2300	10	77	2.4	18.6	1.1			14			
		V-15	1000	5	50	0.8	17.6	2.8			12			
C-3	9/23/2014	V-11	2000	12	315	4.4	17.5	3	NR	NR	0	NR	NR	All Circuit 3 Wells Operating
		V-12	1300	11.5	648	9.8	18.1	2.8			0			
		V-13	2700	7	430	0.6	20.9	0.5			0			
		V-14	2300	10	289	1.7	19.5	1.1			0			
		V-15	1000	5	173	0.5	19.4	1.9			0			

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-3	10/5/2014	V-11	1900	11.5	293	1.8	18.9	2.4	NR	NR	2	NR	NR	All Circuit 3 Wells Operating
		V-12	1500	11.5	567	2.3	20	1.5			3			
		V-13	2600	6.5	394	0.4	20.1	0.4			3			
		V-14	2300	10	311	0.7	20.2	0.7			4			
		V-15		4	179	0.4	19.3	1.8			4			
C-3	10/19/2014	V-11	1900	11.5	301	1.6	15.7	5.5	NR	NR	2	NR	NR	All Circuit 3 Wells Operating
		V-12	1500	11.5	886	6.8	17.9	3.4			3			
		V-13	2600	6.5	817	0.8	20.3	0.9			1			
		V-14	2300	10	489	1.8	19	1.5			1			
		V-15	OR	4	357	0.8	18.2	3.1			3			
C-3	11/3/2014	V-11	1900	11.5	1378	7.8	14	5.5	NR	NR	0	NR	NR	All Circuit 3 Wells Operating
		V-12	1500	11.5	3790	9.2	16.8	3.8			0			
		V-13	2600	6.5	3161	1.6	18.9	1.2			0			
		V-14	2300	10	1044	1.4	18.3	1.8			0			
		V-15	OR	4	459	0.6	18	3			0			
C-3	11/15/2014	V-11	1900	11.5	877	3.2	18.8	4.5	NR	NR	0	NR	NR	All Circuit 3 Wells Operating
		V-12	1500	11.5	2788	5.1	19.6	2.4			0			
		V-13	2600	6.5	4270	2.9	21.7	1			0			
		V-14	2300	10	956	1.3	21.1	1.6			0			
		V-15	OR	4	632	0.8	20.9	2.4			0			
C-3	11/30/2014	V-11	1900	11.5	867	2.9	17.9	4	NR	NR	0	NR	NR	All Circuit 3 Wells Operating
		V-12	1500	11	2230	7.7	19.2	3.4			0			
		V-13	2600	6.5	1250	0.9	21.7	0.8			0			
		V-14	2300	10	669	2.2	20.2	2			1			
		V-15	OR	4	365	0.5	20.6	2.5			0			

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-3	12/15/2014	V-11	1900	11.5	365	2.7	15.3	3.7	NR	NR	1	NR	NR	All Circuit 3 Wells Operating
		V-12	1500	11	570	6.6	16.9	3			3			
		V-13	2600	6.5	605	2.3	19	1.1			2			
		V-14	2300	10	328	2.8	18.1	1.7			2			
		V-15	OR	4	209	1	18.2	2.6			0			
C-3	12/27/2015	V-11	1900	11.5	641	2.8	16.5	5.1	NR	NR	0	NR	NR	All Circuit 3 Wells Operating
		V-12	1500	11	1891	7.4	17.9	4.5			1			
		V-13	2500	6.5	1556	1.3	19.8	1			0			
		V-14	2300	10	1159	2.8	18.8	2.5			0			
		V-15	OR	4	367	0.9	19.2	3.5			0			
C-3	1/11/2015	V-11	1900	11.5	879	2.9	17.4	5.2	NR	NR	0	NR	NR	All Circuit 3 Wells Operating
		V-12	1500	11	1112	10	17.6	5			0			
		V-13	2500	6	1542	1.5	20.8	1.1			0			
		V-14	2300	10	1033	4.8	18.7	2.8			0			
		V-15	OR	4	445	1.1	19.2	3.4			0			
C-3	1/23/2015	V-11	2300	11.5	402	2	16.8	4.4	NR	NR	0	NR	NR	All Circuit 3 Wells Operating
		V-12	2200	11.5	797	11.6	17	4.5			0			
		V-13	2750	6	850	1.1	20.2	1			0			
		V-14	2500	9.5	583	3	18.3	2.4			0			
		V-15	OR	5	209	0.6	18.9	3.2			0			
C-3	2/22/2015	V-11	1900	11.5	714	3	16.2	4.6	NR	NR	0	NR	NR	All Circuit 3 Wells Operating
		V-12	1500	11	OR	21	15.9	5.4			0			
		V-13	2500	6	1922	1.6	19.8	1.2			0			
		V-14	2300	10	1210	3.6	17.8	2.6			0			
		V-15	OR	4	403	1	18.4	3.2			0			

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-3	3/9/2015	V-11	2300	11.5	511	2.8	16.3	4.7	NR	NR	0	NR	NR	All Circuit 3 Wells Operating
		V-12	2700	11.5	OR	20.8	15.6	5.6			0			
		V-13	2750	6	1281	1.1	19.6	0.9			0			
		V-14	2500	9.5	1064	4.3	17.4	2.8			0			
		V-15	OR	5	396	0.9	18.4	3.1			0			
C-3	4/2/2015	V-11	2200	12	203	2.2	15.2	4.6	NR	NR	0	NR	NR	All Circuit 3 Wells Operating
		V-12	3300	10	510	17.3	15.9	4.7			2			
		V-13	2700	6	383	0.6	19.3	0.8			0			
		V-14	2500	9.5	203	1.8	17.3	2.3			1			
		V-15	OR	4.5	115	0.7	19	3.1			0			
C-3	12/16/2015	V-11	2200	2000	271	8.8	10.4	7.9	NR	NR	2	NR	NR	All Circuit 3 Wells Operating
		V-12	3300	1200	1815	54.9	9.1	7.3			5			
		V-13	2700	2000	1350	2.2	17.4	2.4			2			
		V-14	2500	1600	38	0	21.7	0.1			0			
		V-15	OR	OR	375	1.4	17.3	2.9			2			
C-3	12/31/2015	V-11	1700	13	199	10.4	17.8	3.4	NR	NR	112	NR	NR	All Circuit 3 Wells Operating
		V-12	2100	13.5	587	1.1	17.9	3.7			6			
		V-13	2200	5	302	0.5	21.2	0.5			2			
		V-14	2300	9.5	14	0	21.5	0.1			0			
		V-15	OR	7	86	0.2	20.7	1.1			6			
C-3	1/13/2016	V-11	2200	13	130	0.5	20.4	1.8	NR	NR	0	NR	NR	All Circuit 3 Wells Operating
		V-12	1500	13	560	5.6	20.3	2.2			1			
		V-13	2200	5.5	277	0.4	22.3	0.4			0			
		V-14	NR	NR	19	0	22.5	0.1			0			
		V-15	OR	7	92	0.2	21.8	0.8			0			

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-3	1/28/2016	V-11	2200	13.5	171	0.6	20	1.5	NR	NR	21	NR	NR	All Circuit 3 Wells Operating
		V-12	OR	13	495	2.4	20.2	1.3			48			
		V-13	2400	14.5	471	0.3	21.2	0.4			8			
		V-14	2300	9.5	41	0	21.3	0.1			10			
		V-15	OR	9	136	0.1	20.8	0.8			14			
C-3	2/10/2016	V-11	2300	13.5	202	0.6	18.8	1.5	NR	NR	23	NR	NR	All Circuit 3 Wells Operating
		V-12	3200	13.5	449	6.1	18.7	1.3			49			
		V-13	2400	6	450	0.5	20.4	0.4			1			
		V-14	2300	9.5	19	0	20.7	0.1			0			
		V-15	OR	7	68	0.1	20.1	0.8			3			
C-3	3/2/2016	V-11	1800	10.5	99	0.9	17.6	3.1	NR	NR	8	NR	NR	All Circuit 3 Wells Operating
		V-12	1600	11.5	373	32.4	15.1	6.1			182			
		V-13	3100	5	286	1	20.2	0.8			28			
		V-14	2200	11	86	0.6	18.9	1.6			21			
		V-15	OR	6.5	67	0.8	19.5	1.9			23			
C-3	3/17/2016	V-11	2300	10	84	0.5	20.2	1.3	NR	NR	2	NR	NR	All Circuit 3 Wells Operating
		V-12	OR	10	167	2	20.6	1.1			2			
		V-13	2300	5	116	0.4	21.6	0.3			2			
		V-14	3200	9.5	38	0.4	21.5	0.3			4			
		V-15	OR	6.5	21	0.3	21.4	0.6			4			
C-3	3/17/2016	V-11	2300	10	84	0.5	20.2	1.3	NR	NR	2	NR	NR	All Circuit 3 Wells Operating
		V-12	OR	10	167	2	20.6	1.1			2			
		V-13	2300	5	116	0.4	21.6	0.3			2			
		V-14	3200	9.5	38	0.4	21.5	0.3			4			
		V-15	OR	6.5	21	0.3	21.4	0.6			4			

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-3	4/1/2016	V-11	2300	10	56	0	NR	NR	NR	NR	NR	NR	NR	All Circuit 3 Wells Operating
		V-12	OR	10	58	0.2	NR	NR			NR			
		V-13	2300	5	47	0	NR	NR			NR			
		V-14	3200	9.5	147	0.2	NR	NR			NR			
		V-15	OR	6.5	100	0	NR	NR			NR			
C-3	4/13/2016	V-11	2200	11.5	50	0.4	15.5	1.8	NR	NR	0	NR	NR	All Circuit 3 Wells Operating
		V-12	3200	11	659	12.6	15.8	1.7			20			
		V-13	2500	5	228	1	19.8	0.3			2			
		V-14	2800	9.5	102	0.2	21	0.2			3			
		V-15	OR	6.5	115	0.5	19.7	0.5			1			
C-3	4/28/2016	V-11	2000	11	360	0	18.7	5.8	NR	NR	2	NR	NR	All Circuit 3 Wells Operating
		V-12	3400	10.5	OR	18.9	19.4	5.8			5			
		V-13	2100	4.5	1212	1.7	19.8	1.3			5			
		V-14	2600	8.5	660	1.9	19.1	1.4			7			
		V-15	OR	6	189	0.4	19.5	2			1			
C-3	5/18/2016	V-11	2300	10	161	2.7	12.4	6.9	NR	NR	7	NR	NR	All Circuit 3 Wells Operating
		V-12	3400	10	1792	27.7	13.8	6.3			71			
		V-13	3200	7	805	0.8	20.1	6.7			25			
		V-14	3100	7	425	1.3	18.6	1.7			7			
		V-15	OR	6	160	0.4	19.1	2.5			2			
C-3	6/2/2016	V-11	2000	10	240	0.4	19.2	1.3	NR	NR	0	NR	NR	All Circuit 3 Wells Operating
		V-12	3000	9.5	339	2.6	19.1	1.5			2			
		V-13	3000	6.5	313	0.3	20.5	0.2			0			
		V-14	2500	8	137	0.9	19.2	1.3			0			
		V-15	OR	5.5	98	0.2	19.1	1.2			0			

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
C-3	7/11/2018	V-11	2000	7	123	2.3	13.5	5.9	NR	NR	0	NR	NR	All Circuit 3 Wells Operating
		V-12	1500	6	289	4.9	8.2	7			22			
		V-13	2000	4	264	1	18.5	1.9			44			
		V-14	900	4	176	1.1	18.6	2			41			
		V-15	1000	4	72	0.6	15.9	3.7			32			
C-3	7/26/2018	V-11	1900	6	69	1.3	13.8	6.8	NR	NR	0	NR	NR	All Circuit 3 Wells Operating
		V-12	1000	5	281	16.9	12.4	6.6			3			
		V-13	2500	5	245	0.9	19.1	7.2			2			
		V-14	2200	4	171	0.6	19.8	1			4			
		V-15	2200	4	67	0.6	17.3	3.2			4			
C-3	8/31/2018	V-11	1400	6	28	0.4	9	7.7	NR	NR	2	NR	NR	All Circuit 3 Wells Operating
		V-12	1200	3	132	1.1	15.2	4.2			3			
		V-13	2000	5	131	1.6	15.4	3.6			3			
		V-14	1200	3	119	0.8	17.8	2.4			1			
		V-15	4000	5	131	1.5	17.1	3.3			1			
C-3	9/27/2018	V-11	1800	5	72	1.3	14	6.7	NR	NR	0	NR	NR	All Circuit 3 Wells Operating
		V-12	1700	6	257	19.1	13.2	7.8			0			
		V-13	2200	5	290	1.2	20.6	2.6			0			
		V-14	1800	3	128	0.4	21.2	1.6			1			
		V-15	1000	5	68	0.4	21	2.4			2			

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
Stack	3/22/2012	Stack	NA	NA	NR	5.0	18.4	1.0	75.4	Low	0.0	1.0	>100	
	4/19/2012	Stack	NA	NA	114	2.1	18.2	1.6	78.0	Low	6.0	0.0	45	
	5/3/2012	Stack	NA	NA	2	0.0	19.7	0.0	80.3	Low	6.0	0.0	0	
	5/17/2012	Stack	NA	NA	150	2.3	18.0	1.7	77.7	Low	6.0	1.0	53	
	6/14/2012	Stack	NA	NA	NR	0.7	16.3	0.4	82.6	Low	0.0	0.0	15	
	6/28/2012	Stack	NA	NA	205	3.8	17.3	3.8	74.9	Low	11.0	0.0	33	
	7/13/2012	Stack	NA	NA	463	11.7	16.0	3.2	68.9	Low	8.0	2.0	>100	
	7/26/2012	Stack	NA	NA	146	2.8	16.2	2.1	78.8	Low	42.0	1.0	61	
	8/9/2012	Stack	NA	NA	169	1.2	18.5	0.8	79.6	Low	0.0	0.0	27	
	8/21/2012	Stack	NA	NA	275	2.5	18.3	2.5	76.6	Low	5.0	1.0	54	
	8/22/2012	Stack	NA	NA	51	0.7	19.1	0.1	80.1	Low	2.0	0.0	15	
	8/22/2012	Stack	NA	NA	118	1.7	19.1	0.5	78.6	Low	1.0	0.0	36	
	714/2014	Stack	NA	NA	121	179.0	12.3	3.1	NR	NR	156.0	NR	NR	
	7/15/2014	Stack	NA	NA	84	36.4	15.1	2.7	NR	NR	136.0	NR	NR	
	7/16/2014	Stack	NA	NA	112	19.4	15.8	2.9	NR	NR	126.0	NR	NR	

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
Stack	7/27/2014	Stack	NA	NA	118	6.6	19.9	1.4	NR	NR	115.0	NR	NR	
	7/28/2014	Stack	NA	NA	102	6.3	20.3	1.5	NR	NR	146.0	NR	NR	
	7/29/2014	Stack	NA	NA	92	14.0	20.3	1.7	NR	NR	206.0	NR	NR	
	8/10/2014	Stack	NA	NA	105	3.8	18.0	1.9	NR	NR	0.0	NR	NR	
	8/11/2014	Stack	NA	NA	100	2.9	18.2	1.7	NR	NR	13.0	NR	NR	
	8/12/2014	Stack	NA	NA	120	7.8	18.1	1.7	NR	NR	17.0	NR	NR	
	8/24/2014	Stack	NA	NA	78	2.9	17.6	1.9	NR	NR	0.0	NR	NR	
	8/25/2014	Stack	NA	NA	93	4.4	17.8	2.4	NR	NR	7.0	NR	NR	
	8/26/2014	Stack	NA	NA	95	5.0	17.0	2.8	NR	NR	2.0	NR	NR	
	9/7/2014	Stack	NA	NA	82	1.9	17.7	0.5	NR	NR	1.0	NR	NR	
	9/8/2014	Stack	NA	NA	100	6.3	16.5	3.3	NR	NR	19.0	NR	NR	
	9/9/2014	Stack	NA	NA	78	3.0	17.8	2.7	NR	NR	5.0	NR	NR	
	9/21/2014	Stack	NA	NA	734	6.8	17.5	2.8	NR	NR	0.0	NR	NR	
	9/22/2014	Stack	NA	NA	580	7.6	18.8	1.9	NR	NR	0.0	NR	NR	
	9/23/2014	Stack	NA	NA	473	39.0	18.4	2.3	NR	NR	0.0	NR	NR	
	10/5/2014	Stack	NA	NA	605	3.2	17.9	2.6	NR	NR	4	NR	NR	
	10/6/2014	Stack	NA	NA	473	2.2	18.6	2.1	NR	NR	9	NR	NR	
	10/7/2014	Stack	NA	NA	1621	5.4	18.4	2.3	NR	NR	4	NR	NR	
	10/18/2014	Stack	NA	NA	1987	6.5	16.9	3.4	NR	NR	1	NR	NR	
	10/19/2014	Stack	NA	NA	1839	3.4	18	3	NR	NR	4	NR	NR	

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
Stack	10/20/2014	Stack	NA	NA	1269	2.2	18.9	2.3	NR	NR	4	NR	NR	
	11/2/2014	Stack	NA	NA	1347	5.4	17.8	2.3	NR	NR	0	NR	NR	
	11/3/2014	Stack	NA	NA	1574	3.5	17.1	3.4	NR	NR	0	NR	NR	
	11/4/2014	Stack	NA	NA	698	1.8	18.4	2.6	NR	NR	0	NR	NR	
	11/15/2014	Stack	NA	NA	2000	2.4	20.2	2.1	NR	NR	0	NR	NR	
	11/16/2014	Stack	NA	NA	1808	2.5	21.6	2.7	NR	NR	0	NR	NR	
	11/17/2014	Stack	NA	NA	2022	6.8	21.1	3.2	NR	NR	0	NR	NR	
	11/28/2015	Stack	NA	NA	1238	2.1	21.3	2.8	NR	NR	0	NR	NR	
	11/29/2015	Stack	NA	NA	1581	5.8	20.7	2.9	NR	NR	0	NR	NR	
	11/30/2015	Stack	NA	NA	1159	3.1	20.1	3.1	NR	NR	0	NR	NR	
	12/15/2014	Stack	NA	NA	1676	3.3	17.1	2.8	NR	NR	2	NR	NR	
	12/16/2014	Stack	NA	NA	1350	3.4	17.8	3.4	NR	NR	0	NR	NR	
	12/17/2014	Stack	NA	NA	1542	5.9	18.1	3	NR	NR	0	NR	NR	
	12/26/2014	Stack	NA	NA	578	5.6	18.9	2.9	NR	NR	0	NR	NR	
	12/27/2014	Stack	NA	NA	626	3.3	18.8	3.9	NR	NR	0	NR	NR	
	12/28/2014	Stack	NA	NA	953	2.5	18.7	2.8	NR	NR	0	NR	NR	
	1/11/2015	Stack	NA	NA	1965	3.2	19.2	3.3	NR	NR	0	NR	NR	
	1/12/2015	Stack	NA	NA	1162	2.7	19.5	2.9	NR	NR	0	NR	NR	
	1/13/2015	Stack	NA	NA	OR	5.6	19.7	3.3	NR	NR	0	NR	NR	
	1/23/2015	Stack	NA	NA	726	2.4	18.1	3.1	NR	NR	0	NR	NR	
	1/24/2015	Stack	NA	NA	1469	2.5	18.8	2.7	NR	NR	0	NR	NR	
	1/25/2015	Stack	NA	NA	1405	3.2	18.6	2.5	NR	NR	0	NR	NR	
	2/22/2015	Stack	NA	NA	1129	2.3	18.3	2.9	NR	NR	0	NR	NR	
	2/23/2015	Stack	NA	NA	1834	2.3	18.8	3.1	NR	NR	0	NR	NR	
	2/24/2015	Stack	NA	NA	OR	3.8	19	2.7	NR	NR	0	NR	NR	
	3/9/2015	Stack	NA	NA	1456	2.8	17.9	3.1	NR	NR	0	NR	NR	

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
Stack	3/10/2015	Stack	NA	NA	374	1.8	18.7	2	NR	NR	1	NR	NR	
	3/11/2015	Stack	NA	NA	1854	3.4	18.8	2.5	NR	NR	0	NR	NR	
	4/1/2015	Stack	NA	NA	313	1.5	18.3	1.5	NR	NR	0	NR	NR	
	4/2/2015	Stack	NA	NA	795	1.9	17.2	3	NR	NR	0	NR	NR	
	4/3/2015	Stack	NA	NA	35	0.1	19.9	0.3	NR	NR	0	NR	NR	
	12/14/2015	Stack	NA	NA	1768	7	12.6	3.9	NR	NR	4	NR	NR	
	12/15/2015	Stack	NA	NA	OR	15.6	15.2	4.2	NR	NR	4	NR	NR	
	12/16/2015	Stack	NA	NA	OR	5.8	15	4.7	NR	NR	2	NR	NR	
	12/30/2015	Stack	NA	NA	1205	0.1	18	3.3	NR	NR	30	NR	NR	
	12/31/2015	Stack	NA	NA	445	3	18.6	3.3	NR	NR	30	NR	NR	
	1/1/2016	Stack	NA	NA	480	2.1	19.4	2.7	NR	NR	22	NR	NR	
	1/13/2016	Stack	NA	NA	380	2.1	19.5	3.2	NR	NR	0	NR	NR	
	1/14/2016	Stack	NA	NA	730	2	20.1	2.7	NR	NR	0	NR	NR	
	1/15/2016	Stack	NA	NA	434	5.3	18.8	2.9	NR	NR	0	NR	NR	
	1/27/2016	Stack	NA	NA	1385	4.4	18.2	3.7	NR	NR	28	NR	NR	
	1/28/2016	Stack	NA	NA	975	3.4	17.5	4.5	NR	NR	74	NR	NR	
	1/29/2016	Stack	NA	NA	996	2.6	18.9	3.3	NR	NR	24	NR	NR	
	2/10/2016	Stack	NA	NA	892	3.3	17.2	4.4	NR	NR	68	NR	NR	
	2/11/2016	Stack	NA	NA	NR	2.2	18.6	2.9	NR	NR	30	NR	NR	
	2/12/2016	Stack	NA	NA	1242	4.5	17.9	36	NR	NR	49	NR	NR	
	3/1/2016	Stack	NA	NA	866	5.5	17.4	3.3	NR	NR	29	NR	NR	
	3/2/2016	Stack	NA	NA	534	2.2	17.6	3.1	NR	NR	22	NR	NR	
	3/3/2016	Stack	NA	NA	295	1.8	18.8	2.2	NR	NR	16	NR	NR	
	3/16/2016	Stack	NA	NA	285	3.8	18.7	2.7	NR	NR	3	NR	NR	
	3/17/2016	Stack	NA	NA	196	1.6	18.6	2.5	NR	NR	3	NR	NR	

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
Stack	3/18/2016	Stack	NA	NA	788	1.4	19.1	2.2	NR	NR	1	NR	NR	
	3/30/2016	Stack	NA	NA	684	1.8	20.4	2.3	NR	NR	0	NR	NR	
	3/31/2016	Stack	NA	NA	309	3.1	20	2.2	NR	NR	0	NR	NR	
	4/1/2016	Stack	NA	NA	552	0.5	NR	NR	NR	NR	NR	NR	NR	
	4/13/2016	Stack	NA	NA	125	0.8	19.7	0.5	NR	NR	0	NR	NR	
	4/14/2016	Stack	NA	NA	585	1.4	19	2.1	NR	NR	3	NR	NR	
	4/15/2016	Stack	NA	NA	845	4.4	18.9	2.7	NR	NR	1	NR	NR	
	4/27/2016	Stack	NA	NA	735	3.9	18.6	2.7	NR	NR	3	NR	NR	
	4/28/2016	Stack	NA	NA	690	2	18.7	2.6	NR	NR	0	NR	NR	
	4/29/2016	Stack	NA	NA	631	1.3	19.8	2	NR	NR	0	NR	NR	
	5/18/2016	Stack	NA	NA	656	1.7	18.2	2.6	NR	NR	14	NR	NR	
	5/19/2016	Stack	NA	NA	704	1.1	18.8	2	NR	NR	9	NR	NR	
	5/20/2016	Stack	NA	NA	704	3.6	18.8	2.4	NR	NR	10	NR	NR	
	5/31/2016	Stack	NA	NA	186	1	19.3	1.9	NR	NR	0	NR	NR	
	6/1/2016	Stack	NA	NA	695	2.6	18.9	2.1	NR	NR	0	NR	NR	
	6/2/2016	Stack	NA	NA	498	0.2	20.1	2.1	NR	NR	0	NR	NR	
	7/11/2018	Stack	NA	NA	178	1.6	15.9	3.8	NR	NR	20	NR	NR	
	7/12/2018	Stack	NA	NA	237	0.6	17.1	2.5	NR	NR	2	NR	NR	
	7/13/2018	Stack	NA	NA	190	0.8	17.9	2.4	NR	NR	1	NR	NR	
	7/25/2018	Stack	NA	NA	225	2.8	17.5	2.6	NR	NR	7	NR	NR	

TABLE 3B
PID and BIOGENIC GAS MONITORING SUMMARY

Circuit No.	Date	SVE Well	Flow 1000 FPM	Vacuum in Hg	PID ppm-v	CH_4 %	O_2 %	CO_2 %	Bal %	H_2 ppm	CO ppm	H_2S ppm	LEL %	Notes
Stack	7/26/2018	Stack	NA	NA	150	0.8	17.6	2.9	NR	NR	0	NR	NR	
	7/27/2018	Stack	NA	NA	306	0.3	18.9	1.9	NR	NR	0	NR	NR	
	8/31/2018	Stack	NA	NA	139	1.7	15.8	3.6	NR	NR	2	NR	NR	
	9/1/2018	Stack	NA	NA	399	0.5	18.4	2.8	NR	NR	11	NR	NR	
	9/2/2018	Stack	NA	NA	200	1.2	19.6	0.8	NR	NR	1	NR	NR	
	9/27/2018	Stack	NA	NA	199	1.7	19.3	3.6	NR	NR	0	NR	NR	
	9/28/2018	Stack	NA	NA	343	1.2	20.6	3.1	NR	NR	1	NR	NR	
	9/29/2018	Stack	NA	NA	162	1.1	21.7	0.7	NR	NR	0	NR	NR	

NOTES: NA= not applicable.NR=Not Recorded. ND=Non Detect. OR=Over Detection Range of Instrument.

APPENDIX A
Operations & Maintenance Data Sheets

TTS and SG3
SOIL VAPOR EXTRACTION SYSTEM
OPERATIONS AND MONITORING DATASHEET

PART 1: GENERAL

SHEET NO.: 1 OF 3

PROJECT NAME: Triangle Truck Stop / Save Gas 3 Remediation

DATE: 7/11/18

PROJECT LOCATION: 1300 West Pine Street, Deming, New Mexico

WEATHER: Rain

☑ ARRIVAL ☐ DEPARTURE ☐ OTHER

PERSONNEL ON-SITE: Kris Sharma Cindy Sharma

OUTSIDE TEMP: 72 °F

BAROMETRIC PRESSURE: 26.72 (25.11) inHg

PART 2: NES SKID

IS NES UNIT ON? ☑ YES ☐ NO IF NO NOTE ALARM MESSAGE:

SVE BLOWERS: 1 2

TOTAL VACUUM: 9 / 10 inHg

MANUAL DILUTION: ☑ CLOSED ☐ OPEN _____ %

VAPOR LIQUID SEPARATOR: LEVEL FULL 3/4 1/2 1/4 EMPTY

SPARGE BLOWER:

TOTAL PRESSURE: 4. psi

MANUAL BYPASS: ☑ CLOSED ☐ OPEN _____ %

PART 3: SVE, SPARGE AND DROP TUBE MANIFOLDS

SVE MANIFOLD: CIRCUIT: 1 2 (3) (circle one) Total Vacuum: _____ inHg PID: _____ ppm-v

SVE WELL NAME:	FLOW (1000 FPM)	VACUUM (inHg)	PID (ppm-v)	CH_4 %	CO_2 %	O_2 %	CO ppm	TIME (HOURS)	
SVE 11	7	2000	123	2-3	5·9	13·5	0	20·12	
12	6.	1500	289	17·9	7·0	8·2	22	20·21	
13	4	2000	264	1·0	1·9	18·5	44	20·30	
14	4	900	176	1·1	2·0	18·6	41	20·36	
15	4	Regged.	72	0.6	3.7	15.9	32	20·44	
Effluent			178	1·6	3·8	15·9	20.	21·00	

SPARGE MANIFOLD: CIRCUIT: (1) 2 3 (circle one)

SPARGE WELL NAME:	FLOW (1000 FPM)	PRESSURE (psi)	TIME: (HOURS)
1	5000	1	21·06
2	4500.	1	21·06
3	4000	1	21·07
4	2000	1	21·07
5	5500.	1.	21·07

DROP TUBES OPEN? Y / N

Drop Tube Well Name	FLOW (scfm)	TIME: (HOURS)	NOTES:

COMMENTS:

Signature Kris Sharma Date ~~21·20~~ 7/11/18 Time 21·20

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TTS and SG3
SOIL VAPOR EXTRACTION SYSTEM
OPERATIONS AND MONITORING DATASHEET

PART 1: GENERAL

SHEET NO.: 2 OF 3

PROJECT NAME: Triangle Truck Stop / Save Gas 3 Remediation

PROJECT LOCATION: 1300 West Pine Street, Deming, New Mexico

DATE: 7/12/18

WEATHER: Partly Cloudy

☐ ARRIVAL ☐ DEPARTURE ☐ OTHER

OUTSIDE TEMP: 73 °F

PERSONNEL ON-SITE: Kris Sharma Cindy Sharma

BAROMETRIC PRESSURE: 25.7 inHg

26.1

PART 2: NES SKID

IS NES UNIT ON? ☑ YES ☐ NO IF NO NOTE ALARM MESSAGE:

SVE BLOWERS: 1 2

TOTAL VACUUM: 9 / 10 inHg

MANUAL DILUTION: ☑ CLOSED ☐ OPEN _____ %

VAPOR LIQUID SEPARATOR: LEVEL FULL 3/4 1/2 1/4 EMPTY

SPARGE BLOWER:

TOTAL PRESSURE: 3 psi

MANUAL BYPASS: ☒ CLOSED ☐ OPEN _____ %

PART 3: SVE, SPARGE AND DROP TUBE MANIFOLDS

SVE MANIFOLD: CIRCUIT: (1) 2 3 (circle one) Total Vacuum: _____ inHg PID: _____ ppm-v

SVE WELL NAME:	FLOW (1000 FPM)	VACUUM (inHg)	PID (ppm-v)	CH_4 %	CO_2 %	O_2 %	CO ppm	TIME (HOURS)	
1	2000	4	455	1.1	3.6	12.7	4		
2	1400	4	277	0.9	1.3	18.4	5	12 - 10	
3	1000	3	1611	0.2	1.9	17.4	6	12 - 16	
4	1000	5	447	1.1	1.6	17.1	7	12 - 24	
5	1800	4.5	139	0.6	2.2	17.7	8	12 - 30	
Effluent			237	0.6	2.5	17.1	2	11.52	

SPARGE MANIFOLD: CIRCUIT: 1 2 (3) (circle one)

SPARGE WELL NAME:	FLOW (1000 FPM)	PRESSURE (psi)	TIME: (HOURS)
11	5000	1	
12	2000	0.5	
13	4500	1.5	
14	4000	1	
15	5000	1	

DROP TUBES OPEN? Y / N

Drop Tube Well Name	FLOW (scfm)	TIME: (HOURS)	NOTES:

COMMENTS:

Signature Kris Sharma Date 7/12/18 Time 13-21

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TTS and SG3
SOIL VAPOR EXTRACTION SYSTEM
OPERATIONS AND MONITORING DATASHEET

PART 1: GENERAL

SHEET NO.: 3 OF 3

PROJECT NAME: Triangle Truck Stop / Save Gas 3 Remediation

PROJECT LOCATION: 1300 West Pine Street, Deming, New Mexico

DATE: 7/13/18

WEATHER: Mostly Cloudy

☐ ARRIVAL ☑ DEPARTURE ☐ OTHER

OUTSIDE TEMP: 79 °F

PERSONNEL ON-SITE: Kris Shanna & Cindy Shanna

BAROMETRIC PRESSURE: 26.1 inHg

PART 2: NES SKID

IS NES UNIT ON? ☑ YES ☐ NO IF NO NOTE ALARM MESSAGE:

SVE BLOWERS: 1 2

TOTAL VACUUM: 11 / 0 inHg

MANUAL DILUTION: ☑ CLOSED ☐ OPEN _____ %

VAPOR LIQUID SEPARATOR: LEVEL FULL 3/4 1/2 1/4 EMPTY

SPARGE BLOWER:

TOTAL PRESSURE: 4 psi

MANUAL BYPASS: ☑ CLOSED ☐ OPEN _____ %

PART 3: SVE, SPARGE AND DROP TUBE MANIFOLDS

SVE MANIFOLD: CIRCUIT: 1 (2) 3 (circle one) Total Vacuum: _____ inHg PID: _____ ppm-v

SVE WELL NAME:	FLOW (1000 FPM)	VACUUM (inHg)	PID (ppm-v)	CH_4 %	CO_2 %	O_2 %	CO ppm	TIME (HOURS)	
6	1300	7.5	256	2.4	1.6	18.7	4	11:05am	
7	2500	6	272	1.2	1.6	18.4	4	11:12 am	
8	900	8.5	359	3.1	1.6	18.2	7	11:17 am	
9	700	8	317	3.0	3.4	16.9	9	11:21 am	
10	2000	8	120	0.6	2.8	16.9	10	11:28 am	
Effluent			190	0.8	2.4	17.9	1		

SPARGE MANIFOLD: CIRCUIT: 1 2 (3) (circle one)

SPARGE WELL NAME:	FLOW (1000 FPM)	PRESSURE (psi)	TIME: (HOURS)
11	~~1~~500	1	10:49
12	3000	1	10:49
13	4500	1.5	10:49
14	2000	0.5	10:49
15	5000	~~5000~~	10:49

DROP TUBES OPEN? Y / N

Drop Tube Well Name	FLOW (scfm)	TIME: (HOURS)	NOTES:

COMMENTS:

Signature Kris Shanna Date 7/13/18 Time 12:55

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TTS and SG3
SOIL VAPOR EXTRACTION SYSTEM
OPERATIONS AND MONITORING DATASHEET

PART 1: GENERAL

SHEET NO.: 1 OF 3

DATE: 7/25/18

WEATHER: Cloudy

PROJECT NAME: Triangle Truck Stop / Save Gas 3 Remediation

PROJECT LOCATION: 1300 West Pine Street, Deming, New Mexico

☐ ARRIVAL ☐ DEPARTURE ☐ OTHER _____

PERSONNEL ON-SITE: Kris Sharma, Cindy Sharm

OUTSIDE TEMP: 87 °F

BAROMETRIC PRESSURE: 26 inHg

PART 2: NES SKID

IS NES UNIT ON? ☑ YES ☐ NO IF NO NOTE ALARM MESSAGE:

SVE BLOWERS: 1 2

TOTAL VACUUM: 1 / inHg

MANUAL DILUTION: ☑ CLOSED ☐ OPEN _____ %

VAPOR LIQUID SEPARATOR: LEVEL FULL 3/4 1/2 1/4 EMPTY

SPARGE BLOWER:

TOTAL PRESSURE: _____ psi

MANUAL BYPASS: ☑ CLOSED ☐ OPEN _____ %

PART 3: SVE, SPARGE AND DROP TUBE MANIFOLDS

SVE MANIFOLD: CIRCUIT: 1 (2) 3 (circle one) Total Vacuum: _____ inHg PID: _____ ppm-v

SVE WELL NAME:	FLOW (1000 FPM)	VACUUM (inHg)	PID (ppm-v)	CH_4 %	CO_2 %	O_2 %	CO ppm	TIME (HOURS)	
6	1100	6	580	0.3	0.8	19.6	0	19.18	
7	2500	5.5	315	1.7	2.3	18.2	0	19.31	
8	500	8	268	2.8	2.1	18.3	3	19.42	
9	500	8.0	252	6.5	2.9	17.6	6	19.48	
10	1200	7.5	165	1.6	3.9	15.5	7	19.58	
			325	2.8	2.6	17.5	7	20.05	
Effluent									

SPARGE MANIFOLD: CIRCUIT: 1 2 (3) (circle one)

SPARGE WELL NAME:	FLOW (1000 FPM)	PRESSURE (psi)	TIME: (HOURS)
Compressor off			

DROP TUBES OPEN? Y / N

Drop Tube Well Name	FLOW (scfm)	TIME: (HOURS)	NOTES:

COMMENTS:

Signature Date Time

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TTS and SG3
SOIL VAPOR EXTRACTION SYSTEM
OPERATIONS AND MONITORING DATASHEET

SHEET NO.: 2 OF 3

DATE: 7/26/18

WEATHER: mostly cloudy

PART 1: GENERAL

PROJECT NAME: Triangle Truck Stop / Save Gas 3 Remediation

PROJECT LOCATION: 1300 West Pine Street, Deming, New Mexico

☐ ARRIVAL ☐ DEPARTURE ☐ OTHER ~~Kris~~

PERSONNEL ON-SITE: Kris Sharman Cindy Sharman

OUTSIDE TEMP: 73 °F

BAROMETRIC PRESSURE: 26.1 inHg

PART 2: NES SKID

IS NES UNIT ON? ☑ YES ☐ NO IF NO NOTE ALARM MESSAGE:

SVE BLOWERS: 1 2

TOTAL VACUUM: 10 / 0 inHg

MANUAL DILUTION: ☐ CLOSED ☐ OPEN _____ %

VAPOR LIQUID SEPARATOR: LEVEL FULL 3/4 1/2 1/4 (EMPTY)

SPARGE BLOWER:

TOTAL PRESSURE: 5 psi

MANUAL BYPASS: ☑ CLOSED ☐ OPEN _____ %

PART 3: SVE, SPARGE AND DROP TUBE MANIFOLDS

SVE MANIFOLD: CIRCUIT: 1 2 (3) (circle one) Total Vacuum: _____ inHg PID: _____ ppm-v

SVE WELL NAME:	FLOW (1000 FPM)	VACUUM (inHg)	PID (ppm-v)	CH_4 %	CO_2 %	O_2 %	CO ppm	TIME (HOURS)	
11	1900	6	69	1.3	6.8	13.8	0	20.20	
12	1000	5	281	16.9	6.6	12.4	3	20.24	
13	2500	~~4~~ 5	243	0.9	7.2	19.1	2	20.30	
14	2200	4	171	0.6	1.0	19.8	4	20.34	
15	2200	4	167	0.6	3.2	17.3	4	20.41	
Circuit 3			150	0.8	2.4	17.6	0	20.04	
Effluent									

SPARGE MANIFOLD: CIRCUIT: 1 (2) 3 (circle one)

SPARGE WELL NAME:	FLOW (1000 FPM)	PRESSURE (psi)	TIME: (HOURS)
6	3000	1	20.45
7	6000	1.5	2048
8	6000	1.5	20.48
9	3000	1	20.48
10	2000	1.5	20.48

DROP TUBES OPEN? Y / N

Drop Tube Well Name	FLOW (scfm)	TIME: (HOURS)	NOTES:

COMMENTS:

Signature Date Time

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TTS and SG3
SOIL VAPOR EXTRACTION SYSTEM
OPERATIONS AND MONITORING DATASHEET

PART 1: GENERAL

SHEET NO.: 3 OF 3

PROJECT NAME: Triangle Truck Stop / Save Gas 3 Remediation

DATE: 07/27/18

PROJECT LOCATION: 1300 West Pine Street, Deming, New Mexico

WEATHER: Cloudy

☑ ARRIVAL ☐ DEPARTURE ☐ OTHER 1

OUTSIDE TEMP: 70 °F

PERSONNEL ON-SITE: Kris Sharma Cindy Sharma

BAROMETRIC PRESSURE: 26.1 inHg

PART 2: NES SKID

IS NES UNIT ON? ☑ YES ☐ NO IF NO NOTE ALARM MESSAGE:

SVE BLOWERS: 1 2

TOTAL VACUUM: 10 / 0 inHg

MANUAL DILUTION: ☑ CLOSED ☐ OPEN _____ %

VAPOR LIQUID SEPARATOR: LEVEL FULL 3/4 1/2 1/4 EMPTY

SPARGE BLOWER:

TOTAL PRESSURE: 5 psi

MANUAL BYPASS: ☑ CLOSED ☐ OPEN _____ %

PART 3: SVE, SPARGE AND DROP TUBE MANIFOLDS

SVE MANIFOLD: CIRCUIT: (1) 2 3 (circle one) Total Vacuum: _____ inHg PID: _____ ppm-v

SVE WELL NAME:	FLOW (1000 FPM)	VACUUM (inHg)	PID (ppm-v)	CH_4 %	CO_2 %	O_2 %	CO ppm	TIME (HOURS)	
1	2000	2.5	705	0.8	4.3	16.1	0	10.33	
2	1500	5	334	1.1	2.6	18.9	0	10.41	
3	1000	2.5	234	0.4	2.0	19.0	0	10.48	
4	1000	4.5	800	2.7	2.1	17.0	1	10.56	
5	1500	2.0	331	0.2	2.8	19.0	1	11.03	
Effluent			306.	0.3	1.9	18.9	0	10.28	

SPARGE MANIFOLD: CIRCUIT: 1 (2) 3 (circle one)

SPARGE WELL NAME:	FLOW (1000 FPM)	PRESSURE (psi)	TIME: (HOURS)
6	3000	1.5	10.16
7	6000	1	10.16
8	6000	2	10.16
9	2000	1.5	10.16
10	2500	2.	10.16

DROP TUBES OPEN? Y / N

Drop Tube Well Name	FLOW (scfm)	TIME: (HOURS)	NOTES:

COMMENTS:

Signature Date Time

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TTS and SG3
SOIL VAPOR EXTRACTION SYSTEM
OPERATIONS AND MONITORING DATASHEET

PART 1: GENERAL

SHEET NO.: 1 OF 3

PROJECT NAME: Triangle Truck Stop / Save Gas 3 Remediation

PROJECT LOCATION: 1300 West Pine Street, Deming, New Mexico

DATE: 08/31/18

WEATHER: Sunny

☑ ARRIVAL ☐ DEPARTURE ☐ OTHER _____

OUTSIDE TEMP: 94 °F

PERSONNEL ON-SITE: Kris Sharma

BAROMETRIC PRESSURE: _____ inHg

PART 2: NES SKID

IS NES UNIT ON? ☐ YES ☑ NO IF NO NOTE ALARM MESSAGE: Stavted.

SVE BLOWERS: 1 2

TOTAL VACUUM: 8 / 0 inHg

MANUAL DILUTION: ☑ CLOSED ☐ OPEN _____ %

VAPOR LIQUID SEPARATOR: LEVEL FULL 3/4 1/2 1/4 EMPTY

SPARGE BLOWER:

TOTAL PRESSURE: 0 psi

MANUAL BYPASS: ☑ CLOSED ☐ OPEN _____ %

PART 3: SVE, SPARGE AND DROP TUBE MANIFOLDS

SVE MANIFOLD: CIRCUIT: 1 2 (3) (circle one) Total Vacuum: _____ inHg PID: _____ ppm-v

SVE WELL NAME:	FLOW (1000 FPM)	VACUUM (inHg)	PID (ppm-v)	CH_4 %	CO_2 %	O_2 %	CO ppm	TIME (HOURS)	
11	1400	6	28	0.4	7.7	9.0	2	19.43	
12	1200	3	132	1.1	4.2	15.2	3	19.47	
13	2000	5	131	1.6	3.6	15.4	3	19.52	
14	1200	3	119	0.8	2.4	17.8	1	19.59	
15	4000	5	131	1.5	3.3	17.1	1	20.04	
Effluent Trunk			139	1.7	3.6	15.8	2	20.15	

SPARGE MANIFOLD: CIRCUIT: 1 (2) 3 (circle one)

SPARGE WELL NAME:	FLOW (1000 FPM)	PRESSURE (psi)	TIME: (HOURS)
5	3000	1.5	20.20
6	6700	2.5	20.21
7	6200	3.5	20.21
8	3000	3	20.21
9	3000	3.5	20.22

DROP TUBES OPEN? Y / N

Drop Tube Well Name	FLOW (scfm)	TIME: (HOURS)	NOTES:

COMMENTS: Stack 20.10'

Signature Kris Sharma Date 8/31/18 Time 20.32

amec

TTS and SG3
SOIL VAPOR EXTRACTION SYSTEM
OPERATIONS AND MONITORING DATASHEET

PART 1: GENERAL

SHEET NO.: 2 OF 3
DATE: 9/1/18
WEATHER: Mostly Cloudy
OUTSIDE TEMP: 78 °F
BAROMETRIC PRESSURE: 20 inHg

PROJECT NAME: Triangle Truck Stop / Save Gas 3 Remediation
PROJECT LOCATION: 1300 West Pine Street, Deming, New Mexico
☐ ARRIVAL ☐ DEPARTURE ☐ OTHER
PERSONNEL ON-SITE: Kris Shamm Cindy Shamm

PART 2: NES SKID

IS NES UNIT ON? ☐ YES ☐ NO IF NO NOTE ALARM MESSAGE:
SVE BLOWERS: 1 2
TOTAL VACUUM: 10 / 0 inHg
MANUAL DILUTION: ☑ CLOSED ☐ OPEN ____ %
VAPOR LIQUID SEPARATOR: LEVEL FULL 3/4 1/2 1/4 EMPTY
SPARGE BLOWER:
TOTAL PRESSURE: 5 psi
MANUAL BYPASS: ☑ CLOSED ☐ OPEN ____ %

PART 3: SVE, SPARGE AND DROP TUBE MANIFOLDS

SVE MANIFOLD: CIRCUIT: 1 2 3 (circle one) Total Vacuum: ____ inHg PID: ____ ppm-v

SVE WELL NAME:	FLOW (1000 FPM)	VACUUM (inHg)	PID (ppm-v)	CH_4 %	CO_2 %	O_2 %	CO ppm	TIME (HOURS)	
1	1900	4.5	345	2.4	5.6	13.0	3.	9:31 am	
2	1100	5.5	380	1.3	3.3	16.9	2	9:37	
3	800	4	187	0.5	1.9	19.3	1	9:42	
4	900	5.5	450	2.4	2.7	17.5	1	9:49	
5	1500	4	207	1.6	3.0	17.6	1	9:56	
Effluent Trunkline			399	0.5	2.8	18.4	11	9:18	

SPARGE MANIFOLD: CIRCUIT: 1 2 3 (circle one)

SPARGE WELL NAME:	FLOW (1000 FPM)	PRESSURE (psi)	TIME: (HOURS)
6	3000	1.5	10:11
7	6700	2.5	10 11
8	6200	3.5	10 11
9	3000	3	10 12
10	3000	3.5	10 12

DROP TUBES OPEN? Y / N

Drop Tube Well Name	FLOW (scfm)	TIME: (HOURS)	NOTES:

COMMENTS: Stack.

Signature Kris Shamm Date 9/1/18 Time 11:02 am

amec

TTS and SG3
SOIL VAPOR EXTRACTION SYSTEM
OPERATIONS AND MONITORING DATASHEET

PART 1: GENERAL

SHEET NO.: 3 OF 3

PROJECT NAME: Triangle Truck Stop / Save Gas 3 Remediation

DATE: 9/2/18

PROJECT LOCATION: 1300 West Pine Street, Deming, New Mexico

WEATHER: Cloudy

☑ ARRIVAL ☐ DEPARTURE ☐ OTHER

OUTSIDE TEMP: 60 °F

PERSONNEL ON-SITE: Kris Sharma Cindy Sharma

BAROMETRIC PRESSURE: 26.2 inHg

PART 2: NES SKID

IS NES UNIT ON? ☑ YES ☐ NO IF NO NOTE ALARM MESSAGE:

SVE BLOWERS: 1 2

TOTAL VACUUM: 11 / 10 inHg

MANUAL DILUTION: ☑ CLOSED ☐ OPEN _____ %

VAPOR LIQUID SEPARATOR: LEVEL FULL 3/4 1/2 1/4 EMPTY

SPARGE BLOWER:

TOTAL PRESSURE: 5 psi

MANUAL BYPASS: ☑ CLOSED ☐ OPEN _____ %

PART 3: SVE, SPARGE AND DROP TUBE MANIFOLDS

SVE MANIFOLD: CIRCUIT: 1 (2) 3 (circle one) Total Vacuum: _____ inHg PID: _____ ppm-v

SVE WELL NAME:	FLOW (1000 FPM)	VACUUM (inHg)	PID (ppm-v)	CH_4 %	CO_2 %	O_2 %	CO ppm	TIME (HOURS)	
6	1200	6.0	271	1.4	0.6	19.6	2	11:38	
7	3100	4.5	300	1.1	03	19.9	1	11:43	
8	900	9	305	2.2	0.5	19.7	1	11:47	
9	1100	7	259.	1.9	0.6	19.6	1	11:54	
10.	1600	7	135	0.7	1.3	17.8	1	12.03	
			200	1.2	0.8	19.6	1	11-25	
Effluent									

SPARGE MANIFOLD: CIRCUIT: (1) 2 3 (circle one)

SPARGE WELL NAME:	FLOW (1000 FPM)	PRESSURE (psi)	TIME: (HOURS)
1	5500	0.5	12-12
2	5000	0.5	12.12
3	6000	1	12.13
4	2000	1	12.13
5	6000	1.5	12.13

DROP TUBES OPEN? Y / N

Drop Tube Well Name	FLOW (scfm)	TIME: (HOURS)	NOTES:

COMMENTS: Stack 11-32

Signature Kris Sharma Date 9/2/18 Time 12:19

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TTS and SG3
SOIL VAPOR EXTRACTION SYSTEM
OPERATIONS AND MONITORING DATASHEET

PART 1: GENERAL

SHEET NO.: 1 OF 3

PROJECT NAME: Triangle Truck Stop / Save Gas 3 Remediation

DATE: 9/27/18

PROJECT LOCATION: 1300 West Pine Street, Deming, New Mexico

WEATHER: Sunny

☐ ARRIVAL ☐ DEPARTURE ☐ OTHER _____

OUTSIDE TEMP: 84 °F

PERSONNEL ON-SITE: Kris Sharma Jag Singh

BAROMETRIC PRESSURE: 26 inHg

PART 2: NES SKID

IS NES UNIT ON? ☑ YES ☐ NO IF NO NOTE ALARM MESSAGE:

SVE BLOWERS: 1 2

TOTAL VACUUM: 9 / 10 inHg

MANUAL DILUTION: ☑ CLOSED ☐ OPEN _____ %

VAPOR LIQUID SEPARATOR: LEVEL FULL 3/4 1/2 1/4 (EMPTY)

SPARGE BLOWER:

TOTAL PRESSURE: 5 psi

MANUAL BYPASS: ☑ CLOSED ☐ OPEN _____ %

PART 3: SVE, SPARGE AND DROP TUBE MANIFOLDS

SVE MANIFOLD: CIRCUIT: 1 2 (3) (circle one) Total Vacuum: Over 60 inHg PID: _____ ppm-v

SVE WELL NAME:	FLOW (1000 FPM)	VACUUM (inHg)	PID (ppm-v)	CH_4 %	CO_2 %	O_2 %	CO ppm	TIME (HOURS)	
11	1800	5	72.	1.3	6.7	14.0	0.	19.01	
12	1700	6	257.	19.1	7.8	13.2	0	19.07	
13	2200	5	2910.	1.2	2.6	20.6	0	19.14	
14	1800	3	128	0.4	1.6	21.2	1	19.21	
15	OR	5.	68	0.4	2.4	21.0	2	19.30	
Effluent			199.	1.7	3.6	19.3		19.45	

SPARGE MANIFOLD: CIRCUIT: 1 (2) 3 (circle one)

SPARGE WELL NAME:	FLOW (1000 FPM)	PRESSURE (psi)	TIME: (HOURS)
6	4000	1.5	19.52
7	6200	2.5	19.52
8	6500	3	19.52
9	4000	2	19.53
10	3000	2	19.57

DROP TUBES OPEN? Y / N

Drop Tube Well Name	FLOW (scfm)	TIME: (HOURS)	NOTES:

COMMENTS: Stack 19.40

Signature Kris Sharma Date ~~19.58~~ 9/27/18 Time 19.58

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TTS and SG3
SOIL VAPOR EXTRACTION SYSTEM
OPERATIONS AND MONITORING DATASHEET

PART 1: GENERAL

SHEET NO.: 2 OF 3

PROJECT NAME: Triangle Truck Stop / Save Gas 3 Remediation

PROJECT LOCATION: 1300 West Pine Street, Deming, New Mexico

DATE: 9/28/18

WEATHER: Sunny

☐ ARRIVAL ☐ DEPARTURE ☐ OTHER _____

PERSONNEL ON-SITE: Kris Sharma Jas Singh

OUTSIDE TEMP: 84 °F

BAROMETRIC PRESSURE: 26.1 inHg

PART 2: NES SKID

IS NES UNIT ON? ☐ YES ☐ NO IF NO NOTE ALARM MESSAGE:

SVE BLOWERS: 1 2

TOTAL VACUUM: 10 / — inHg

MANUAL DILUTION: ☑ CLOSED ☐ OPEN _____ %

VAPOR LIQUID SEPARATOR: LEVEL FULL 3/4 1/2 1/4 (EMPTY)

SPARGE BLOWER:

TOTAL PRESSURE: 5 psi

MANUAL BYPASS: ☑ CLOSED ☐ OPEN _____ %

PART 3: SVE, SPARGE AND DROP TUBE MANIFOLDS

SVE MANIFOLD: CIRCUIT: (1) 2 3 (circle one) Total Vacuum: _____ inHg PID: _____ ppm-v

SVE WELL NAME:	FLOW (1000 FPM)	VACUUM (inHg)	PID (ppm-v)	CH_4 %	CO_2 %	O_2 %	CO ppm	TIME (HOURS)	
1	2000	4.5	795	1.7	5.6	18.3	0	10.25	
2	1500	6	132	0.7	2.3	20.9	0	10.32	
3	1000	4	158	0.2	2.0	21.7	0	10.38	
4	1200	5.5	665	2.7	3.3	19.3	1	10.44	
5	2200	5	248	0.9	2.8	20.5	0	10.51	
Effluent			343	1.2	3.1	20.6	1	10.13	

SPARGE MANIFOLD: CIRCUIT: 1 2 (3) (circle one)

SPARGE WELL NAME:	FLOW (1000 FPM)	PRESSURE (psi)	TIME: (HOURS)
11	5600	1	11.02
12	1500	1	11.02
13	6000	1.5	11.02
14	3000	0.5	11.02
15	7000	1.5	11.02

DROP TUBES OPEN? Y / N

Drop Tube Well Name	FLOW (scfm)	TIME: (HOURS)	NOTES:

COMMENTS: Stack 10.20

Signature Kris Sharma Date 9/28/18 Time 11.15

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TTS and SG3
SOIL VAPOR EXTRACTION SYSTEM
OPERATIONS AND MONITORING DATASHEET

PART 1: GENERAL

SHEET NO.: 3 OF 3

PROJECT NAME: Triangle Truck Stop / Save Gas 3 Remediation

DATE: 9/29/18

PROJECT LOCATION: 1300 West Pine Street, Deming, New Mexico

WEATHER: Sunny

☑ ARRIVAL ☐ DEPARTURE ☐ OTHER _____

OUTSIDE TEMP: 68 °F

PERSONNEL ON-SITE: Kris Sharma Jas Singh

BAROMETRIC PRESSURE: 26.2 inHg

PART 2: NES SKID

IS NES UNIT ON? ☑ YES ☐ NO IF NO NOTE ALARM MESSAGE:

SVE BLOWERS: 1 2

TOTAL VACUUM: 12 / 10 inHg

MANUAL DILUTION: ☑ CLOSED ☐ OPEN _____ %

VAPOR LIQUID SEPARATOR: LEVEL FULL 3/4 1/2 1/4 (EMPTY)

SPARGE BLOWER:

TOTAL PRESSURE: 5 psi

MANUAL BYPASS: ☑ CLOSED ☐ OPEN _____ %

PART 3: SVE, SPARGE AND DROP TUBE MANIFOLDS

SVE MANIFOLD: CIRCUIT: 1 (2) 3 (circle one) Total Vacuum: _____ inHg PID: _____ ppm-v

SVE WELL NAME:	FLOW (1000 FPM)	VACUUM (inHg)	PID (ppm-v)	CH_4 %	CO_2 %	O_2 %	CO ppm	TIME (HOURS)	
6	1000	7.5	122	0.3	0.3	22.4	0	10.01	
7	2700	5	77	0.4	0.3	22.3	0	10.06	
8	1000	9	151	1.1	0.4	22.1	0	10.11	
9	1000	7.5	130	1.0	1.8	21.5	0	10.15	
10	1900	7.5	71	0.5	1.3	19.6	0	10.21	
Effluent			162	1.1	0.7	21.7	0	9.50	

SPARGE MANIFOLD: CIRCUIT: 1 2 (3) (circle one)

SPARGE WELL NAME:	FLOW (1000 FPM)	PRESSURE (psi)	TIME: (HOURS)
11	5500	1	10.41
12	1500	1	10.41
13	6000	1.5	10.41
14	3000	0.5	10.41
15	7000	1.5	10.41

DROP TUBES OPEN? Y / N

Drop Tube Well Name	FLOW (scfm)	TIME: (HOURS)	NOTES:

COMMENTS: Stack 9.56

Signature Kris Sharma Date 9/29/18 Time 10.59.

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APPENDIX B
Remediation System Monitoring & Performance Table

APPENDIX B
Quarter 15 Remediation System Monitoring and Performance

Remediation Equipment Name	Date	Monitoring Parameter(s)	Performance Notes
ICE (RSI Unit)	Not Operated Since Quarter 6 - Removed From Site		
SVE Blowers & Sprage Compressor	7/11/2018 - 7/13/2018	Vacuum & Pressure	Only blower #1 in operation. Blower operating at 9-11 inHg. Sparge blower operating at 0.5-1 5 total psi. 1st site visit of Quarter 15.
	7/25/2018 - 7/27/2018	Vacuum & Pressure	Only blower #1 in operation. Blower operating at 10 inHg. Sparge blower was off upon arrival. Upon restart sparge blower operating at 1-2 total psi. 2nd site visit of Quarter 15.
	8/31/2018 - 9/2/2018	Vacuum & Pressure	Only blower #1 in operation. Blower operating at 8-11 inHg. Sparge blower operating at 0.5-3 5 total psi. 3rd site visit of Quarter 15.
	9/27/2018 - 9/29/2018	Vacuum & Pressure	Only blower #1 in operation. Blower operating at 9-12 inHg. Sparge blowert operating at 0.5-3.0 total psi. 4th site visit of Quarter 15.
SVE Manifold	7/11/2018 - 7/13/2018	Monitor flow meters and pressure gauges, collect PID readings, & multi gas analyzer readings from each of the 15 operating wells.	Manifold and manifold connections in good working order. 3 day site visit includes monitoring all 3 circuits.
	7/25/2018 - 7/27/2018	Monitor flow meters and pressure gauges, collect PID readings, & multi gas analyzer readings from all 15 remediation weels.	Manifold and manifold connections in good working order. 3 day site visit includes monitoring all 3 circuits.
	8/31/2018 - 9/2/2018	Monitor flow meters and pressure gauges, collect PID readings, & multi gas analyzer readings from all 15 remediation weels.	Manifold and manifold connections in good working order. 3 day site visit includes monitoring all 3 circuits. Replaced tubing to flow gauges.
	9/27/2018 - 9/29/2018	Monitor flow meters and pressure gauges, collect PID readings, & multi gas analyzer readings from all 15 remediation weels.	Manifold and manifold connections in good working order. 3 day site visit includes monitoring all 3 circuits.

APPENDIX C
Soil Vapor Sampling Laboratory Analytical Reports

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

July 25, 2018

Jeff Cotter

MYC Environmental And Construction LLC
5400 Vierra Ave SW
Albuquerque, New Mexico 87105
TEL:
FAX

RE: TTS and SG Deming OrderNo.: 1807830

Dear Jeff Cotter:

Hall Environmental Analysis Laboratory received 11 sample(s) on 7/16/2018 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-11
Project: TTS and SG Deming
Collection Date: 7/11/2018 8:12:00 PM
Lab ID: 1807830-001 **Matrix:** AIR
Received Date: 7/16/2018 4:52:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	0.40	0.20		µg/L	2	7/18/2018 3:21:00 PM
Toluene	6.1	0.20		µg/L	2	7/18/2018 3:21:00 PM
Ethylbenzene	1.8	0.20		µg/L	2	7/18/2018 3:21:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.20		µg/L	2	7/18/2018 3:21:00 PM
1,2,4-Trimethylbenzene	1.7	0.20		µg/L	2	7/18/2018 3:21:00 PM
1,3,5-Trimethylbenzene	1.1	0.20		µg/L	2	7/18/2018 3:21:00 PM
1,2-Dichloroethane (EDC)	ND	0.20		µg/L	2	7/18/2018 3:21:00 PM
1,2-Dibromoethane (EDB)	ND	0.20		µg/L	2	7/18/2018 3:21:00 PM
Naphthalene	ND	0.40		µg/L	2	7/18/2018 3:21:00 PM
1-Methylnaphthalene	ND	0.80		µg/L	2	7/18/2018 3:21:00 PM
2-Methylnaphthalene	ND	0.80		µg/L	2	7/18/2018 3:21:00 PM
Xylenes, Total	17	0.30		µg/L	2	7/18/2018 3:21:00 PM
Surr: 1,2-Dichloroethane-d4	98.1	70-130		%Rec	2	7/18/2018 3:21:00 PM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	2	7/18/2018 3:21:00 PM
Surr: Dibromofluoromethane	97.9	70-130		%Rec	2	7/18/2018 3:21:00 PM
Surr: Toluene-d8	90.0	70-130		%Rec	2	7/18/2018 3:21:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-12
Project: TTS and SG Deming
Collection Date: 7/11/2018 8:21:00 PM
Lab ID: 1807830-002 **Matrix:** AIR
Received Date: 7/16/2018 4:52:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	47	2.0		µg/L	20	7/18/2018 4:12:00 PM
Toluene	110	2.0		µg/L	20	7/18/2018 4:12:00 PM
Ethylbenzene	9.8	2.0		µg/L	20	7/18/2018 4:12:00 PM
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	20	7/18/2018 4:12:00 PM
1,2,4-Trimethylbenzene	17	2.0		µg/L	20	7/18/2018 4:12:00 PM
1,3,5-Trimethylbenzene	11	2.0		µg/L	20	7/18/2018 4:12:00 PM
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	20	7/18/2018 4:12:00 PM
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	20	7/18/2018 4:12:00 PM
Naphthalene	ND	4.0		µg/L	20	7/18/2018 4:12:00 PM
1-Methylnaphthalene	ND	8.0		µg/L	20	7/18/2018 4:12:00 PM
2-Methylnaphthalene	ND	8.0		µg/L	20	7/18/2018 4:12:00 PM
Xylenes, Total	190	3.0		µg/L	20	7/18/2018 4:12:00 PM
Surr: 1,2-Dichloroethane-d4	98.1	70-130		%Rec	20	7/18/2018 4:12:00 PM
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	20	7/18/2018 4:12:00 PM
Surr: Dibromofluoromethane	94.8	70-130		%Rec	20	7/18/2018 4:12:00 PM
Surr: Toluene-d8	87.9	70-130		%Rec	20	7/18/2018 4:12:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-13
Project: TTS and SG Deming
Collection Date: 7/11/2018 8:30:00 PM
Lab ID: 1807830-003 **Matrix:** AIR
Received Date: 7/16/2018 4:52:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	4.0	1.0		µg/L	10	7/18/2018 4:37:00 PM
Toluene	73	1.0		µg/L	10	7/18/2018 4:37:00 PM
Ethylbenzene	19	1.0		µg/L	10	7/18/2018 4:37:00 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	10	7/18/2018 4:37:00 PM
1,2,4-Trimethylbenzene	16	1.0		µg/L	10	7/18/2018 4:37:00 PM
1,3,5-Trimethylbenzene	9.8	1.0		µg/L	10	7/18/2018 4:37:00 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	10	7/18/2018 4:37:00 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	10	7/18/2018 4:37:00 PM
Naphthalene	ND	2.0		µg/L	10	7/18/2018 4:37:00 PM
1-Methylnaphthalene	ND	4.0		µg/L	10	7/18/2018 4:37:00 PM
2-Methylnaphthalene	ND	4.0		µg/L	10	7/18/2018 4:37:00 PM
Xylenes, Total	180	1.5		µg/L	10	7/18/2018 4:37:00 PM
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	10	7/18/2018 4:37:00 PM
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	10	7/18/2018 4:37:00 PM
Surr: Dibromofluoromethane	97.2	70-130		%Rec	10	7/18/2018 4:37:00 PM
Surr: Toluene-d8	93.0	70-130		%Rec	10	7/18/2018 4:37:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-14
Project: TTS and SG Deming
Collection Date: 7/11/2018 8:36:00 PM
Lab ID: 1807830-004 **Matrix:** AIR
Received Date: 7/16/2018 4:52:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	24	0.50		µg/L	5	7/18/2018 5:02:00 PM
Toluene	66	1.0		µg/L	10	7/19/2018 3:52:00 PM
Ethylbenzene	14	0.50		µg/L	5	7/18/2018 5:02:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	5	7/18/2018 5:02:00 PM
1,2,4-Trimethylbenzene	16	0.50		µg/L	5	7/18/2018 5:02:00 PM
1,3,5-Trimethylbenzene	8.6	0.50		µg/L	5	7/18/2018 5:02:00 PM
1,2-Dichloroethane (EDC)	1.3	0.50		µg/L	5	7/18/2018 5:02:00 PM
1,2-Dibromoethane (EDB)	ND	0.50		µg/L	5	7/18/2018 5:02:00 PM
Naphthalene	ND	1.0		µg/L	5	7/18/2018 5:02:00 PM
1-Methylnaphthalene	ND	2.0		µg/L	5	7/18/2018 5:02:00 PM
2-Methylnaphthalene	ND	2.0		µg/L	5	7/18/2018 5:02:00 PM
Xylenes, Total	110	0.75		µg/L	5	7/18/2018 5:02:00 PM
Surr: 1,2-Dichloroethane-d4	99.9	70-130		%Rec	5	7/18/2018 5:02:00 PM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	5	7/18/2018 5:02:00 PM
Surr: Dibromofluoromethane	94.5	70-130		%Rec	5	7/18/2018 5:02:00 PM
Surr: Toluene-d8	91.4	70-130		%Rec	5	7/18/2018 5:02:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-15
Project: TTS and SG Deming
Collection Date: 7/11/2018 8:44:00 PM
Lab ID: 1807830-005 **Matrix:** AIR
Received Date: 7/16/2018 4:52:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	4.8	0.20		µg/L	2	7/18/2018 5:27:00 PM
Toluene	10	0.20		µg/L	2	7/18/2018 5:27:00 PM
Ethylbenzene	1.9	0.20		µg/L	2	7/18/2018 5:27:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.20		µg/L	2	7/18/2018 5:27:00 PM
1,2,4-Trimethylbenzene	5.5	0.20		µg/L	2	7/18/2018 5:27:00 PM
1,3,5-Trimethylbenzene	2.5	0.20		µg/L	2	7/18/2018 5:27:00 PM
1,2-Dichloroethane (EDC)	0.21	0.20		µg/L	2	7/18/2018 5:27:00 PM
1,2-Dibromoethane (EDB)	ND	0.20		µg/L	2	7/18/2018 5:27:00 PM
Naphthalene	ND	0.40		µg/L	2	7/18/2018 5:27:00 PM
1-Methylnaphthalene	ND	0.80		µg/L	2	7/18/2018 5:27:00 PM
2-Methylnaphthalene	ND	0.80		µg/L	2	7/18/2018 5:27:00 PM
Xylenes, Total	28	0.30		µg/L	2	7/18/2018 5:27:00 PM
Surr: 1,2-Dichloroethane-d4	99.8	70-130		%Rec	2	7/18/2018 5:27:00 PM
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	2	7/18/2018 5:27:00 PM
Surr: Dibromofluoromethane	96.2	70-130		%Rec	2	7/18/2018 5:27:00 PM
Surr: Toluene-d8	91.3	70-130		%Rec	2	7/18/2018 5:27:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Trunkline
Project: TTS and SG Deming
Collection Date: 7/11/2018 8:55:00 PM
Lab ID: 1807830-006 **Matrix:** AIR
Received Date: 7/16/2018 4:52:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	4700	50		µg/L	10	7/18/2018 12:44:27 PM
Surr: BFB	227	80.2-145	S	%Rec	10	7/18/2018 12:44:27 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Stack
Project: TTS and SG Deming
Collection Date: 7/11/2018 9:01:00 PM
Lab ID: 1807830-007 **Matrix:** AIR
Received Date: 7/16/2018 4:52:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	8.9	1.0		µg/L	10	7/18/2018 5:52:00 PM
Toluene	46	1.0		µg/L	10	7/18/2018 5:52:00 PM
Ethylbenzene	8.9	1.0		µg/L	10	7/18/2018 5:52:00 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
1,2,4-Trimethylbenzene	11	1.0		µg/L	10	7/18/2018 5:52:00 PM
1,3,5-Trimethylbenzene	6.0	1.0		µg/L	10	7/18/2018 5:52:00 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
Naphthalene	ND	2.0		µg/L	10	7/18/2018 5:52:00 PM
1-Methylnaphthalene	ND	4.0		µg/L	10	7/18/2018 5:52:00 PM
2-Methylnaphthalene	ND	4.0		µg/L	10	7/18/2018 5:52:00 PM
Acetone	ND	10		µg/L	10	7/18/2018 5:52:00 PM
Bromobenzene	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
Bromodichloromethane	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
Bromoform	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
Bromomethane	ND	2.0		µg/L	10	7/18/2018 5:52:00 PM
2-Butanone	ND	10		µg/L	10	7/18/2018 5:52:00 PM
Carbon disulfide	ND	10		µg/L	10	7/18/2018 5:52:00 PM
Carbon tetrachloride	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
Chlorobenzene	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
Chloroethane	ND	2.0		µg/L	10	7/18/2018 5:52:00 PM
Chloroform	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
Chloromethane	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
2-Chlorotoluene	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
4-Chlorotoluene	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
cis-1,2-DCE	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	10	7/18/2018 5:52:00 PM
Dibromochloromethane	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
Dibromomethane	ND	2.0		µg/L	10	7/18/2018 5:52:00 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
Dichlorodifluoromethane	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
1,1-Dichloroethane	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
1,1-Dichloroethene	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
1,2-Dichloropropane	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
1,3-Dichloropropane	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
2,2-Dichloropropane	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Stack
Project: TTS and SG Deming
Collection Date: 7/11/2018 9:01:00 PM
Lab ID: 1807830-007 **Matrix:** AIR
Received Date: 7/16/2018 4:52:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,1-Dichloropropene	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
Hexachlorobutadiene	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
2-Hexanone	ND	10		µg/L	10	7/18/2018 5:52:00 PM
Isopropylbenzene	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
4-Isopropyltoluene	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	10	7/18/2018 5:52:00 PM
Methylene chloride	ND	3.0		µg/L	10	7/18/2018 5:52:00 PM
n-Butylbenzene	ND	3.0		µg/L	10	7/18/2018 5:52:00 PM
n-Propylbenzene	1.7	1.0		µg/L	10	7/18/2018 5:52:00 PM
sec-Butylbenzene	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
Styrene	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
tert-Butylbenzene	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
trans-1,2-DCE	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
Trichloroethene (TCE)	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
Trichlorofluoromethane	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	10	7/18/2018 5:52:00 PM
Vinyl chloride	ND	1.0		µg/L	10	7/18/2018 5:52:00 PM
Xylenes, Total	93	1.5		µg/L	10	7/18/2018 5:52:00 PM
Surr: Dibromofluoromethane	96.9	70-130		%Rec	10	7/18/2018 5:52:00 PM
Surr: 1,2-Dichloroethane-d4	99.7	70-130		%Rec	10	7/18/2018 5:52:00 PM
Surr: Toluene-d8	91.6	70-130		%Rec	10	7/18/2018 5:52:00 PM
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	10	7/18/2018 5:52:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-1
Project: TTS and SG Deming
Collection Date: 7/12/2018 12:05:00 PM
Lab ID: 1807830-008 **Matrix:** AIR
Received Date: 7/16/2018 4:52:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	1.0	1.0		µg/L	10	7/19/2018 4:17:00 PM
Toluene	24	1.0		µg/L	10	7/19/2018 4:17:00 PM
Ethylbenzene	29	1.0		µg/L	10	7/19/2018 4:17:00 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	10	7/19/2018 4:17:00 PM
1,2,4-Trimethylbenzene	20	1.0		µg/L	10	7/19/2018 4:17:00 PM
1,3,5-Trimethylbenzene	11	1.0		µg/L	10	7/19/2018 4:17:00 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	10	7/19/2018 4:17:00 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	10	7/19/2018 4:17:00 PM
Naphthalene	ND	2.0		µg/L	10	7/19/2018 4:17:00 PM
1-Methylnaphthalene	ND	4.0		µg/L	10	7/19/2018 4:17:00 PM
2-Methylnaphthalene	ND	4.0		µg/L	10	7/19/2018 4:17:00 PM
Xylenes, Total	130	1.5		µg/L	10	7/19/2018 4:17:00 PM
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	10	7/19/2018 4:17:00 PM
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	10	7/19/2018 4:17:00 PM
Surr: Dibromofluoromethane	96.5	70-130		%Rec	10	7/19/2018 4:17:00 PM
Surr: Toluene-d8	95.6	70-130		%Rec	10	7/19/2018 4:17:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-2
Project: TTS and SG Deming
Collection Date: 7/12/2018 12:10:00 PM
Lab ID: 1807830-009 **Matrix:** AIR
Received Date: 7/16/2018 4:52:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	24	1.0		µg/L	10	7/19/2018 5:08:00 PM
Toluene	41	1.0		µg/L	10	7/19/2018 5:08:00 PM
Ethylbenzene	8.3	1.0		µg/L	10	7/19/2018 5:08:00 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	10	7/19/2018 5:08:00 PM
1,2,4-Trimethylbenzene	6.3	1.0		µg/L	10	7/19/2018 5:08:00 PM
1,3,5-Trimethylbenzene	3.4	1.0		µg/L	10	7/19/2018 5:08:00 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	10	7/19/2018 5:08:00 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	10	7/19/2018 5:08:00 PM
Naphthalene	ND	2.0		µg/L	10	7/19/2018 5:08:00 PM
1-Methylnaphthalene	ND	4.0		µg/L	10	7/19/2018 5:08:00 PM
2-Methylnaphthalene	ND	4.0		µg/L	10	7/19/2018 5:08:00 PM
Xylenes, Total	43	1.5		µg/L	10	7/19/2018 5:08:00 PM
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	10	7/19/2018 5:08:00 PM
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	10	7/19/2018 5:08:00 PM
Surr: Dibromofluoromethane	101	70-130		%Rec	10	7/19/2018 5:08:00 PM
Surr: Toluene-d8	97.2	70-130		%Rec	10	7/19/2018 5:08:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-3
Project: TTS and SG Deming
Collection Date: 7/12/2018 12:16:00 PM
Lab ID: 1807830-010 **Matrix:** AIR
Received Date: 7/16/2018 4:52:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	7.4	1.0		µg/L	10	7/19/2018 5:33:00 PM
Toluene	28	1.0		µg/L	10	7/19/2018 5:33:00 PM
Ethylbenzene	5.7	1.0		µg/L	10	7/19/2018 5:33:00 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	10	7/19/2018 5:33:00 PM
1,2,4-Trimethylbenzene	4.5	1.0		µg/L	10	7/19/2018 5:33:00 PM
1,3,5-Trimethylbenzene	2.5	1.0		µg/L	10	7/19/2018 5:33:00 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	10	7/19/2018 5:33:00 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	10	7/19/2018 5:33:00 PM
Naphthalene	ND	2.0		µg/L	10	7/19/2018 5:33:00 PM
1-Methylnaphthalene	ND	4.0		µg/L	10	7/19/2018 5:33:00 PM
2-Methylnaphthalene	ND	4.0		µg/L	10	7/19/2018 5:33:00 PM
Xylenes, Total	29	1.5		µg/L	10	7/19/2018 5:33:00 PM
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	10	7/19/2018 5:33:00 PM
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	10	7/19/2018 5:33:00 PM
Surr: Dibromofluoromethane	97.6	70-130		%Rec	10	7/19/2018 5:33:00 PM
Surr: Toluene-d8	97.6	70-130		%Rec	10	7/19/2018 5:33:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-4
Project: TTS and SG Deming
Collection Date: 7/12/2018 12:24:00 PM
Lab ID: 1807830-011 **Matrix:** AIR
Received Date: 7/16/2018 4:52:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	22	0.50		µg/L	5	7/19/2018 5:58:00 PM
Toluene	39	1.0		µg/L	10	7/23/2018 11:26:00 AM
Ethylbenzene	7.1	0.50		µg/L	5	7/19/2018 5:58:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	5	7/19/2018 5:58:00 PM
1,2,4-Trimethylbenzene	15	0.50		µg/L	5	7/19/2018 5:58:00 PM
1,3,5-Trimethylbenzene	9.6	0.50		µg/L	5	7/19/2018 5:58:00 PM
1,2-Dichloroethane (EDC)	0.69	0.50		µg/L	5	7/19/2018 5:58:00 PM
1,2-Dibromoethane (EDB)	ND	0.50		µg/L	5	7/19/2018 5:58:00 PM
Naphthalene	ND	1.0		µg/L	5	7/19/2018 5:58:00 PM
1-Methylnaphthalene	ND	2.0		µg/L	5	7/19/2018 5:58:00 PM
2-Methylnaphthalene	ND	2.0		µg/L	5	7/19/2018 5:58:00 PM
Xylenes, Total	100	0.75		µg/L	5	7/19/2018 5:58:00 PM
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	5	7/19/2018 5:58:00 PM
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	5	7/19/2018 5:58:00 PM
Surr: Dibromofluoromethane	98.6	70-130		%Rec	5	7/19/2018 5:58:00 PM
Surr: Toluene-d8	95.0	70-130		%Rec	5	7/19/2018 5:58:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

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LABORATORY ANALYTICAL REPORT

Prepared by Gillette, WY Branch

Client:	Hall Environmental		
Project:	Not Indicated	**Report Date:**	07/25/18
Client Sample ID:	1807830-005B Trunkline	**Collection Date:**	07/11/18 20:55
Location:		**Date Received:**	07/18/18
Lab ID:	G18070364-001	**Sampled By:**	Not Provided

Analyses	Result	Units	Qualifier	Method	Analysis Date / By
NATURAL GAS CHROMATOGRAPHIC ANALYSIS REPORT					
Oxygen	16.691	Mol %		GPA 2261	07/25/18 08:01 / djb
Nitrogen	80.882	Mol %		GPA 2261	07/25/18 08:01 / djb
Carbon Dioxide	2.404	Mol %		GPA 2261	07/25/18 08:01 / djb
Hydrogen Sulfide	< 0.001	Mol %		GPA 2261	07/25/18 08:01 / djb
Methane	< 0.001	Mol %		GPA 2261	07/25/18 08:01 / djb
Ethane	< 0.001	Mol %		GPA 2261	07/25/18 08:01 / djb
Propane	< 0.001	Mol %		GPA 2261	07/25/18 08:01 / djb
Isobutane	< 0.001	Mol %		GPA 2261	07/25/18 08:01 / djb
n-Butane	0.002	Mol %		GPA 2261	07/25/18 08:01 / djb
Isopentane	0.004	Mol %		GPA 2261	07/25/18 08:01 / djb
n-Pentane	0.003	Mol %		GPA 2261	07/25/18 08:01 / djb
Hexanes plus	0.014	Mol %		GPA 2261	07/25/18 08:01 / djb
GPM @ STD COND/1000 CU.FT., MOISTURE FREE GAS					
GPM Ethane	< 0.0003	gal/MCF		GPA 2261	07/25/18 08:01 / djb
GPM Propane	< 0.0003	gal/MCF		GPA 2261	07/25/18 08:01 / djb
GPM Isobutane	< 0.0003	gal/MCF		GPA 2261	07/25/18 08:01 / djb
GPM n-Butane	0.0010	gal/MCF		GPA 2261	07/25/18 08:01 / djb
GPM Isopentane	0.0020	gal/MCF		GPA 2261	07/25/18 08:01 / djb
GPM n-Pentane	0.0010	gal/MCF		GPA 2261	07/25/18 08:01 / djb
GPM Hexanes plus	0.0060	gal/MCF		GPA 2261	07/25/18 08:01 / djb
GPM Pentanes plus	0.0090	gal/MCF		GPA 2261	07/25/18 08:01 / djb
GPM Total	0.0100	gal/MCF		GPA 2261	07/25/18 08:01 / djb
CALCULATED PROPERTIES					
Calculation Pressure Base	14.730	psia		GPA 2261	07/25/18 08:01 / djb
Calculation Temperature Base	60	°F		GPA 2261	07/25/18 08:01 / djb
Compressibility Factor, Z	1.0000	unitless		GPA 2261	07/25/18 08:01 / djb
Molecular Weight	29.08	unitless		GPA 2261	07/25/18 08:01 / djb
Pseudo-critical Pressure, psia	548	psia		GPA 2261	07/25/18 08:01 / djb
Pseudo-critical Temperature, deg R	244	deg R		GPA 2261	07/25/18 08:01 / djb
Specific Gravity (air=1.000)	1.007	unitless		GPA 2261	07/25/18 08:01 / djb
Gross BTU per cu ft @ std cond, dry	1.10	BTU/cu ft		GPA 2261	07/25/18 08:01 / djb
Gross BTU per cu ft @ std cond, wet	1.08	BTU/cu ft		GPA 2261	07/25/18 08:01 / djb

Report Definitions: RL - Analyte reporting limit. QCL - Quality control limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Gillette, WY Branch

Client: Hall Environmental
Project: Not Indicated

Report Date: 07/25/18
Work Order: G18070384

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: GPA 2261									Analytical Run: R244767
Lab ID: ICV-1807250640	Initial Calibration Verification Standard								07/25/18 06:41
Oxygen	0.397	Mol %	0.001	83	75	110			
Nitrogen	5.030	Mol %	0.001	100	90	110			
Carbon Dioxide	4.920	Mol %	0.001	99	90	110			
Hydrogen Sulfide	0.128	Mol %	0.001	127	100	136			
Methane	73.047	Mol %	0.001	100	90	110			
Ethane	5.020	Mol %	0.001	101	90	110			
Propane	5.139	Mol %	0.001	101	90	110			
Isobutane	2.023	Mol %	0.001	100	90	110			
n-Butane	2.000	Mol %	0.001	99	90	110			
Isopentane	0.997	Mol %	0.001	100	90	110			
n-Pentane	0.991	Mol %	0.001	99	90	110			
Hexanes plus	0.308	Mol %	0.001	102	90	110			
Lab ID: CCV-1807250649	Continuing Calibration Verification Standard								07/25/18 06:49
Oxygen	0.589	Mol %	0.001	98	90	110			
Nitrogen	1.309	Mol %	0.001	93	85	110			
Carbon Dioxide	0.969	Mol %	0.001	97	90	110			
Hydrogen Sulfide	0.025	Mol %	0.001	100	70	130			
Methane	93.516	Mol %	0.001	100	90	110			
Ethane	1.025	Mol %	0.001	102	90	110			
Propane	1.010	Mol %	0.001	101	90	110			
Isobutane	0.507	Mol %	0.001	101	90	110			
n-Butane	0.494	Mol %	0.001	99	90	110			
Isopentane	0.202	Mol %	0.001	101	90	110			
n-Pentane	0.199	Mol %	0.001	99	90	110			
Hexanes plus	0.155	Mol %	0.001	102	90	110			
Lab ID: CCV-1807250843	Continuing Calibration Verification Standard								07/25/18 08:43
Oxygen	0.588	Mol %	0.001	98	90	110			
Nitrogen	1.306	Mol %	0.001	93	85	110			
Carbon Dioxide	0.970	Mol %	0.001	97	90	110			
Hydrogen Sulfide	0.026	Mol %	0.001	104	70	130			
Methane	93.528	Mol %	0.001	100	90	110			
Ethane	1.024	Mol %	0.001	102	90	110			
Propane	1.009	Mol %	0.001	101	90	110			
Isobutane	0.504	Mol %	0.001	101	90	110			
n-Butane	0.491	Mol %	0.001	98	90	110			
Isopentane	0.201	Mol %	0.001	100	90	110			
n-Pentane	0.196	Mol %	0.001	99	90	110			
Hexanes plus	0.155	Mol %	0.001	102	90	110			
Method: GPA 2261									Batch: R244767

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Gillette, WY Branch

Client: Hall Environmental
Project: Not Indicated

Report Date: 07/25/18
Work Order: G18070384

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: GPA 2261								Batch: R244767	
Lab ID: G18070384-001ADUP	Sample Duplicate				Run: Varian GC_180725A			07/25/18 08:06	
Oxygen	16.741	Mol %	0.001				0.3	10	
Nitrogen	80.843	Mol %	0.001				0.0	10	
Carbon Dioxide	2.394	Mol %	0.001				0.4	10	
Hydrogen Sulfide	< 0.001	Mol %	0.001					10	
Methane	< 0.001	Mol %	0.001					10	
Ethane	< 0.001	Mol %	0.001					10	
Propane	< 0.001	Mol %	0.001					10	
Isobutane	< 0.001	Mol %	0.001					10	
n-Butane	0.002	Mol %	0.001				0.0	10	
Isopentane	0.004	Mol %	0.001				0.0	10	
n-Pentane	0.003	Mol %	0.001				0.0	10	
Hexanes plus	0.013	Mol %	0.001				7.4	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1807830**

25-Jul-18

Client: MYC Environmental And Construction LLC

Project: TTS and SG Deming

Sample ID **1807830-001adup**	SampType: **DUP**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **SVE-11**	Batch ID: **SL52810**	RunNo: **52810**
Prep Date:	Analysis Date: **7/18/2018**	SeqNo: **1734805** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.40	0.20						2.10	20	
Toluene	5.8	0.20						4.67	20	
Ethylbenzene	1.8	0.20						3.72	20	
Methyl tert-butyl ether (MTBE)	ND	0.20						0	20	
1,2,4-Trimethylbenzene	1.7	0.20						2.57	20	
1,3,5-Trimethylbenzene	1.1	0.20						3.74	20	
1,2-Dichloroethane (EDC)	ND	0.20						0	20	
1,2-Dibromoethane (EDB)	ND	0.20						0	20	
Naphthalene	ND	0.40						0	20	
1-Methylnaphthalene	ND	0.80						0	20	
2-Methylnaphthalene	ND	0.80						0	20	
Xylenes, Total	16	0.30						4.74	20	
Surr: 1,2-Dichloroethane-d4	1.9		2.000		97.1	70	130	0	0	
Surr: 4-Bromofluorobenzene	2.1		2.000		104	70	130	0	0	
Surr: Dibromofluoromethane	2.0		2.000		98.3	70	130	0	0	
Surr: Toluene-d8	1.8		2.000		91.8	70	130	0	0	

Sample ID **1807830-008adup**	SampType: **DUP**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **SVE-1**	Batch ID: **SL52838**	RunNo: **52838**
Prep Date:	Analysis Date: **7/19/2018**	SeqNo: **1736043** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0						200	20	
Toluene	21	1.0						11.2	20	
Ethylbenzene	25	1.0						12.9	20	
Methyl tert-butyl ether (MTBE)	ND	1.0						0	20	
1,2,4-Trimethylbenzene	16	1.0						18.0	20	
1,3,5-Trimethylbenzene	9.3	1.0						15.8	20	
1,2-Dichloroethane (EDC)	ND	1.0						0	20	
1,2-Dibromoethane (EDB)	ND	1.0						0	20	
Naphthalene	ND	2.0						0	20	
1-Methylnaphthalene	ND	4.0						0	20	
2-Methylnaphthalene	ND	4.0						0	20	
Xylenes, Total	110	1.5						14.4	20	
Surr: 1,2-Dichloroethane-d4	10		10.00		104	70	130	0	0	
Surr: 4-Bromofluorobenzene	11		10.00		109	70	130	0	0	
Surr: Dibromofluoromethane	9.6		10.00		95.8	70	130	0	0	
Surr: Toluene-d8	9.6		10.00		95.9	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: MYC ENVIRONMENTAL Work Order Number: 1807830 RcptNo: 1

Received By: Erin Melendrez 7/16/2018 4:52:00 PM

Completed By: Anne Thorne 7/17/2018 6:46:29 AM

Reviewed By: IMO 7/17/18

Labeled by: ENM 7/17/18

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Client		

Log In

3. Was an attempt made to cool the samples?	Yes ☐	No ☐	NA ☑
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☐	No ☐	NA ☑
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

ENM 7/17/18

Checked by: _____

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

16. Additional remarks:

17. **Cooler Information**

Chain-of-Custody Record

Client: MYC Environmental & Construction, LLC

Mailing Address: 5400 Vigera Ave. SW ABQ NM 87105

Phone #: 505 818 0806

email or Fax#: kris@mycenviro-com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name: TTS & SC Deming

Project #:

Project Manager: Jeff Cotter

Sampler: Kris Sharman

On Ice: ☐ Yes ☐ No

Sample Temperature: N/A

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1807830	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	8015D GRO	Fixed Gases GPA2261	8260B	8260B Short List	Air Bubbles (Y or N)
7/11/18	20:12	Air	SVE-11	Tedlar		001															X	
7/11/18	20:21		SVE 12			002															X	
7/11/18	20:30		SVE-13			003															X	
7/11/18	20:36		SVE-14			004															X	
7/11/18	20:44		SVE-15			005												X	X		X	
7/11/18	20:55		Trunkline			006												X	X			
7/11/18	21:01		stack			007														X		
7/11/18	20:55		Trunkline			006													X			
7/12/18	12:05		SVE-1			007															X	
7/12/18	12:10		SVE-2			008															X	
7/12/18	12:16		SVE-3			009															X	
7/12/18	12:24	↓	SVE-4	↓		010 011															X	

Date	Time	Relinquished by:	Received by:	Date	Time
7/16/18	16:52	Kris Sharman			
				7/16/18	1652

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

July 25, 2018

Jeff Cotter

MYC Environmental And Construction LLC
5400 Vierra Ave SW
Albuquerque, NM 87105
TEL: (505) 818-0806
FAX

RE: TTS and SG Deming OrderNo.: 1807836

Dear Jeff Cotter:

Hall Environmental Analysis Laboratory received 10 sample(s) on 7/16/2018 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-5
Project: TTS and SG Deming
Collection Date: 7/12/2018 12:30:00 PM
Lab ID: 1807836-001 **Matrix:** AIR
Received Date: 7/16/2018 4:52:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	12	1.0		µg/L	10	7/19/2018 12:23:46 PM	SL52846
Toluene	33	1.0		µg/L	10	7/19/2018 12:23:46 PM	SL52846
Ethylbenzene	8.4	1.0		µg/L	10	7/19/2018 12:23:46 PM	SL52846
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	10	7/19/2018 12:23:46 PM	SL52846
1,2,4-Trimethylbenzene	11	1.0		µg/L	10	7/19/2018 12:23:46 PM	SL52846
1,3,5-Trimethylbenzene	6.3	1.0		µg/L	10	7/19/2018 12:23:46 PM	SL52846
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	10	7/19/2018 12:23:46 PM	SL52846
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	10	7/19/2018 12:23:46 PM	SL52846
Naphthalene	ND	2.0		µg/L	10	7/19/2018 12:23:46 PM	SL52846
1-Methylnaphthalene	ND	4.0		µg/L	10	7/19/2018 12:23:46 PM	SL52846
2-Methylnaphthalene	ND	4.0		µg/L	10	7/19/2018 12:23:46 PM	SL52846
Xylenes, Total	63	1.5		µg/L	10	7/19/2018 12:23:46 PM	SL52846
Surr: 1,2-Dichloroethane-d4	99.2	70-130		%Rec	10	7/19/2018 12:23:46 PM	SL52846
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	10	7/19/2018 12:23:46 PM	SL52846
Surr: Dibromofluoromethane	101	70-130		%Rec	10	7/19/2018 12:23:46 PM	SL52846
Surr: Toluene-d8	100	70-130		%Rec	10	7/19/2018 12:23:46 PM	SL52846

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Stack
Project: TTS and SG Deming
Collection Date: 7/12/2018 11:59:00 AM
Lab ID: 1807836-002 **Matrix:** AIR
Received Date: 7/16/2018 4:52:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	7.0	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
Toluene	32	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
Ethylbenzene	12	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
1,2,4-Trimethylbenzene	10	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
1,3,5-Trimethylbenzene	5.7	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
Naphthalene	ND	2.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
1-Methylnaphthalene	ND	4.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
2-Methylnaphthalene	ND	4.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
Acetone	ND	10		µg/L	10	7/19/2018 10:54:53 AM	W52846
Bromobenzene	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
Bromodichloromethane	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
Bromoform	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
Bromomethane	ND	2.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
2-Butanone	ND	10		µg/L	10	7/19/2018 10:54:53 AM	W52846
Carbon disulfide	ND	10		µg/L	10	7/19/2018 10:54:53 AM	W52846
Carbon tetrachloride	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
Chlorobenzene	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
Chloroethane	ND	2.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
Chloroform	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
Chloromethane	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
2-Chlorotoluene	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
4-Chlorotoluene	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
cis-1,2-DCE	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
cis-1,3-Dichloropropene	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
Dibromochloromethane	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
Dibromomethane	ND	2.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
1,2-Dichlorobenzene	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
1,3-Dichlorobenzene	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
1,4-Dichlorobenzene	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
Dichlorodifluoromethane	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
1,1-Dichloroethane	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
1,1-Dichloroethene	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
1,2-Dichloropropane	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
1,3-Dichloropropane	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
2,2-Dichloropropane	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Stack
Project: TTS and SG Deming
Collection Date: 7/12/2018 11:59:00 AM
Lab ID: 1807836-002 **Matrix:** AIR
Received Date: 7/16/2018 4:52:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
Hexachlorobutadiene	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
2-Hexanone	ND	10		µg/L	10	7/19/2018 10:54:53 AM	W52846
Isopropylbenzene	1.3	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
4-Isopropyltoluene	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
4-Methyl-2-pentanone	ND	10		µg/L	10	7/19/2018 10:54:53 AM	W52846
Methylene chloride	ND	3.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
n-Butylbenzene	ND	3.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
n-Propylbenzene	3.5	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
sec-Butylbenzene	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
Styrene	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
tert-Butylbenzene	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
Tetrachloroethene (PCE)	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
trans-1,2-DCE	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
trans-1,3-Dichloropropene	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
1,2,3-Trichlorobenzene	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
1,2,4-Trichlorobenzene	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
1,1,1-Trichloroethane	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
1,1,2-Trichloroethane	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
Trichloroethene (TCE)	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
Trichlorofluoromethane	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
1,2,3-Trichloropropane	ND	2.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
Vinyl chloride	ND	1.0		µg/L	10	7/19/2018 10:54:53 AM	W52846
Xylenes, Total	69	1.5		µg/L	10	7/19/2018 10:54:53 AM	W52846
Surr: Dibromofluoromethane	105	70-130		%Rec	10	7/19/2018 10:54:53 AM	W52846
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	10	7/19/2018 10:54:53 AM	W52846
Surr: Toluene-d8	115	70-130		%Rec	10	7/19/2018 10:54:53 AM	W52846
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	10	7/19/2018 10:54:53 AM	W52846

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix
W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Trunkline
Project: TTS and SG Deming
Collection Date: 7/12/2018 11:52:00 AM
Lab ID: 1807836-003 **Matrix:** AIR
Received Date: 7/16/2018 4:52:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	2100	25		µg/L	5	7/18/2018 10:23:53 AM	G52801
Surr: BFB	136	80.2-145		%Rec	5	7/18/2018 10:23:53 AM	G52801

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-6
Project: TTS and SG Deming
Collection Date: 7/13/2018 11:05:00 AM
Lab ID: 1807836-004 **Matrix:** AIR
Received Date: 7/16/2018 4:52:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	14	2.0		µg/L	20	7/19/2018 12:53:38 PM	SL52846
Toluene	120	2.0		µg/L	20	7/19/2018 12:53:38 PM	SL52846
Ethylbenzene	16	2.0		µg/L	20	7/19/2018 12:53:38 PM	SL52846
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	20	7/19/2018 12:53:38 PM	SL52846
1,2,4-Trimethylbenzene	17	2.0		µg/L	20	7/19/2018 12:53:38 PM	SL52846
1,3,5-Trimethylbenzene	11	2.0		µg/L	20	7/19/2018 12:53:38 PM	SL52846
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	20	7/19/2018 12:53:38 PM	SL52846
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	20	7/19/2018 12:53:38 PM	SL52846
Naphthalene	ND	4.0		µg/L	20	7/19/2018 12:53:38 PM	SL52846
1-Methylnaphthalene	ND	8.0		µg/L	20	7/19/2018 12:53:38 PM	SL52846
2-Methylnaphthalene	ND	8.0		µg/L	20	7/19/2018 12:53:38 PM	SL52846
Xylenes, Total	170	3.0		µg/L	20	7/19/2018 12:53:38 PM	SL52846
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	20	7/19/2018 12:53:38 PM	SL52846
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	20	7/19/2018 12:53:38 PM	SL52846
Surr: Dibromofluoromethane	109	70-130		%Rec	20	7/19/2018 12:53:38 PM	SL52846
Surr: Toluene-d8	114	70-130		%Rec	20	7/19/2018 12:53:38 PM	SL52846

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-7
Project: TTS and SG Deming
Collection Date: 7/13/2018 11:12:00 AM
Lab ID: 1807836-005 **Matrix:** AIR
Received Date: 7/16/2018 4:52:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	7.6	2.0		µg/L	20	7/19/2018 1:23:36 PM	SL52846
Toluene	130	2.0		µg/L	20	7/19/2018 1:23:36 PM	SL52846
Ethylbenzene	14	2.0		µg/L	20	7/19/2018 1:23:36 PM	SL52846
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	20	7/19/2018 1:23:36 PM	SL52846
1,2,4-Trimethylbenzene	23	2.0		µg/L	20	7/19/2018 1:23:36 PM	SL52846
1,3,5-Trimethylbenzene	13	2.0		µg/L	20	7/19/2018 1:23:36 PM	SL52846
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	20	7/19/2018 1:23:36 PM	SL52846
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	20	7/19/2018 1:23:36 PM	SL52846
Naphthalene	ND	4.0		µg/L	20	7/19/2018 1:23:36 PM	SL52846
1-Methylnaphthalene	ND	8.0		µg/L	20	7/19/2018 1:23:36 PM	SL52846
2-Methylnaphthalene	ND	8.0		µg/L	20	7/19/2018 1:23:36 PM	SL52846
Xylenes, Total	210	3.0		µg/L	20	7/19/2018 1:23:36 PM	SL52846
Surr: 1,2-Dichloroethane-d4	92.3	70-130		%Rec	20	7/19/2018 1:23:36 PM	SL52846
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	20	7/19/2018 1:23:36 PM	SL52846
Surr: Dibromofluoromethane	92.4	70-130		%Rec	20	7/19/2018 1:23:36 PM	SL52846
Surr: Toluene-d8	103	70-130		%Rec	20	7/19/2018 1:23:36 PM	SL52846

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-8
Project: TTS and SG Deming
Collection Date: 7/13/2018 11:17:00 AM
Lab ID: 1807836-006 **Matrix:** AIR
Received Date: 7/16/2018 4:52:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	40	2.0		µg/L	20	7/19/2018 1:53:37 PM	SL52846
Toluene	130	2.0		µg/L	20	7/19/2018 1:53:37 PM	SL52846
Ethylbenzene	17	2.0		µg/L	20	7/19/2018 1:53:37 PM	SL52846
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	20	7/19/2018 1:53:37 PM	SL52846
1,2,4-Trimethylbenzene	20	2.0		µg/L	20	7/19/2018 1:53:37 PM	SL52846
1,3,5-Trimethylbenzene	13	2.0		µg/L	20	7/19/2018 1:53:37 PM	SL52846
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	20	7/19/2018 1:53:37 PM	SL52846
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	20	7/19/2018 1:53:37 PM	SL52846
Naphthalene	ND	4.0		µg/L	20	7/19/2018 1:53:37 PM	SL52846
1-Methylnaphthalene	ND	8.0		µg/L	20	7/19/2018 1:53:37 PM	SL52846
2-Methylnaphthalene	ND	8.0		µg/L	20	7/19/2018 1:53:37 PM	SL52846
Xylenes, Total	170	3.0		µg/L	20	7/19/2018 1:53:37 PM	SL52846
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	20	7/19/2018 1:53:37 PM	SL52846
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	20	7/19/2018 1:53:37 PM	SL52846
Surr: Dibromofluoromethane	101	70-130		%Rec	20	7/19/2018 1:53:37 PM	SL52846
Surr: Toluene-d8	113	70-130		%Rec	20	7/19/2018 1:53:37 PM	SL52846

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-9
Project: TTS and SG Deming
Collection Date: 7/13/2018 11:21:00 AM
Lab ID: 1807836-007 **Matrix:** AIR
Received Date: 7/16/2018 4:52:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	14	0.50		µg/L	5	7/19/2018 2:23:45 PM	SL52846
Toluene	40	0.50		µg/L	5	7/19/2018 2:23:45 PM	SL52846
Ethylbenzene	6.3	0.50		µg/L	5	7/19/2018 2:23:45 PM	SL52846
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	5	7/19/2018 2:23:45 PM	SL52846
1,2,4-Trimethylbenzene	12	0.50		µg/L	5	7/19/2018 2:23:45 PM	SL52846
1,3,5-Trimethylbenzene	8.3	0.50		µg/L	5	7/19/2018 2:23:45 PM	SL52846
1,2-Dichloroethane (EDC)	0.75	0.50		µg/L	5	7/19/2018 2:23:45 PM	SL52846
1,2-Dibromoethane (EDB)	ND	0.50		µg/L	5	7/19/2018 2:23:45 PM	SL52846
Naphthalene	ND	1.0		µg/L	5	7/19/2018 2:23:45 PM	SL52846
1-Methylnaphthalene	ND	2.0		µg/L	5	7/19/2018 2:23:45 PM	SL52846
2-Methylnaphthalene	ND	2.0		µg/L	5	7/19/2018 2:23:45 PM	SL52846
Xylenes, Total	96	0.75		µg/L	5	7/19/2018 2:23:45 PM	SL52846
Surr: 1,2-Dichloroethane-d4	136	70-130	S	%Rec	5	7/19/2018 2:23:45 PM	SL52846
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	5	7/19/2018 2:23:45 PM	SL52846
Surr: Dibromofluoromethane	109	70-130		%Rec	5	7/19/2018 2:23:45 PM	SL52846
Surr: Toluene-d8	107	70-130		%Rec	5	7/19/2018 2:23:45 PM	SL52846

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-10
Project: TTS and SG Deming
Collection Date: 7/13/2018 11:28:00 AM
Lab ID: 1807836-008 **Matrix:** AIR
Received Date: 7/16/2018 4:52:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	5.3	0.20		µg/L	2	7/19/2018 2:53:58 PM	SL52846
Toluene	24	1.0		µg/L	10	7/19/2018 3:54:14 PM	SL52846
Ethylbenzene	7.4	0.20		µg/L	2	7/19/2018 2:53:58 PM	SL52846
Methyl tert-butyl ether (MTBE)	ND	0.20		µg/L	2	7/19/2018 2:53:58 PM	SL52846
1,2,4-Trimethylbenzene	7.0	0.20		µg/L	2	7/19/2018 2:53:58 PM	SL52846
1,3,5-Trimethylbenzene	4.7	0.20		µg/L	2	7/19/2018 2:53:58 PM	SL52846
1,2-Dichloroethane (EDC)	ND	0.20		µg/L	2	7/19/2018 2:53:58 PM	SL52846
1,2-Dibromoethane (EDB)	ND	0.20		µg/L	2	7/19/2018 2:53:58 PM	SL52846
Naphthalene	ND	0.40		µg/L	2	7/19/2018 2:53:58 PM	SL52846
1-Methylnaphthalene	ND	0.80		µg/L	2	7/19/2018 2:53:58 PM	SL52846
2-Methylnaphthalene	ND	0.80		µg/L	2	7/19/2018 2:53:58 PM	SL52846
Xylenes, Total	62	1.5		µg/L	10	7/19/2018 3:54:14 PM	SL52846
Surr: 1,2-Dichloroethane-d4	143	70-130	S	%Rec	2	7/19/2018 2:53:58 PM	SL52846
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	2	7/19/2018 2:53:58 PM	SL52846
Surr: Dibromofluoromethane	121	70-130		%Rec	2	7/19/2018 2:53:58 PM	SL52846
Surr: Toluene-d8	109	70-130		%Rec	2	7/19/2018 2:53:58 PM	SL52846

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Stack
Project: TTS and SG Deming
Collection Date: 7/13/2018 10:59:00 AM
Lab ID: 1807836-009
Matrix: AIR
Received Date: 7/16/2018 4:52:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	1.4	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
Toluene	79	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
Ethylbenzene	8.3	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
1,2,4-Trimethylbenzene	11	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
1,3,5-Trimethylbenzene	7.9	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
Naphthalene	ND	2.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
1-Methylnaphthalene	ND	4.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
2-Methylnaphthalene	ND	4.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
Acetone	ND	10		µg/L	10	7/19/2018 11:24:23 AM	W52846
Bromobenzene	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
Bromodichloromethane	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
Bromoform	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
Bromomethane	ND	2.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
2-Butanone	ND	10		µg/L	10	7/19/2018 11:24:23 AM	W52846
Carbon disulfide	ND	10		µg/L	10	7/19/2018 11:24:23 AM	W52846
Carbon tetrachloride	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
Chlorobenzene	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
Chloroethane	ND	2.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
Chloroform	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
Chloromethane	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
2-Chlorotoluene	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
4-Chlorotoluene	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
cis-1,2-DCE	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
cis-1,3-Dichloropropene	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
Dibromochloromethane	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
Dibromomethane	ND	2.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
1,2-Dichlorobenzene	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
1,3-Dichlorobenzene	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
1,4-Dichlorobenzene	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
Dichlorodifluoromethane	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
1,1-Dichloroethane	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
1,1-Dichloroethene	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
1,2-Dichloropropane	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
1,3-Dichloropropane	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
2,2-Dichloropropane	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Stack
Project: TTS and SG Deming
Collection Date: 7/13/2018 10:59:00 AM
Lab ID: 1807836-009 **Matrix:** AIR
Received Date: 7/16/2018 4:52:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
Hexachlorobutadiene	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
2-Hexanone	ND	10		µg/L	10	7/19/2018 11:24:23 AM	W52846
Isopropylbenzene	1.2	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
4-Isopropyltoluene	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
4-Methyl-2-pentanone	ND	10		µg/L	10	7/19/2018 11:24:23 AM	W52846
Methylene chloride	ND	3.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
n-Butylbenzene	ND	3.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
n-Propylbenzene	1.7	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
sec-Butylbenzene	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
Styrene	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
tert-Butylbenzene	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
Tetrachloroethene (PCE)	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
trans-1,2-DCE	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
trans-1,3-Dichloropropene	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
1,2,3-Trichlorobenzene	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
1,2,4-Trichlorobenzene	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
1,1,1-Trichloroethane	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
1,1,2-Trichloroethane	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
Trichloroethene (TCE)	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
Trichlorofluoromethane	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
1,2,3-Trichloropropane	ND	2.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
Vinyl chloride	ND	1.0		µg/L	10	7/19/2018 11:24:23 AM	W52846
Xylenes, Total	120	1.5		µg/L	10	7/19/2018 11:24:23 AM	W52846
Surr: Dibromofluoromethane	94.6	70-130		%Rec	10	7/19/2018 11:24:23 AM	W52846
Surr: 1,2-Dichloroethane-d4	99.0	70-130		%Rec	10	7/19/2018 11:24:23 AM	W52846
Surr: Toluene-d8	121	70-130		%Rec	10	7/19/2018 11:24:23 AM	W52846
Surr: 4-Bromofluorobenzene	98.3	70-130		%Rec	10	7/19/2018 11:24:23 AM	W52846

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Trunkline
Project: TTS and SG Deming
Collection Date: 7/13/2018 10:52:00 AM
Lab ID: 1807836-010 **Matrix:** AIR
Received Date: 7/16/2018 4:52:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	2800	50		µg/L	10	7/18/2018 10:47:12 AM	G52801
Surr: BFB	175	80.2-145	S	%Rec	10	7/18/2018 10:47:12 AM	G52801

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix
W	Sample container temperature is out of limit as specified

LABORATORY ANALYTICAL REPORT

Prepared by Gillette, WY Branch

Client: Hall Environmental
Project: Not Indicated
Client Sample ID: 1807836-002B, Trunkline
Location:
Lab ID: G18070383-001

Report Date: 07/25/18
Collection Date: 07/12/18 11:52
Date Received: 07/18/18
Sampled By: Not Provided

Analyses	Result	Units	Qualifier	Method	Analysis Date / By
NATURAL GAS CHROMATOGRAPHIC ANALYSIS REPORT					
Oxygen	19.040	Mol %		GPA 2261	07/25/18 07:27 / djb
Nitrogen	79.391	Mol %		GPA 2261	07/25/18 07:27 / djb
Carbon Dioxide	1.565	Mol %		GPA 2261	07/25/18 07:27 / djb
Hydrogen Sulfide	< 0.001	Mol %		GPA 2261	07/25/18 07:27 / djb
Methane	< 0.001	Mol %		GPA 2261	07/25/18 07:27 / djb
Ethane	< 0.001	Mol %		GPA 2261	07/25/18 07:27 / djb
Propane	< 0.001	Mol %		GPA 2261	07/25/18 07:27 / djb
Isobutane	< 0.001	Mol %		GPA 2261	07/25/18 07:27 / djb
n-Butane	< 0.001	Mol %		GPA 2261	07/25/18 07:27 / djb
Isopentane	0.001	Mol %		GPA 2261	07/25/18 07:27 / djb
n-Pentane	0.001	Mol %		GPA 2261	07/25/18 07:27 / djb
Hexanes plus	0.002	Mol %		GPA 2261	07/25/18 07:27 / djb
GPM @ STD COND/1000 CU.FT., MOISTURE FREE GAS					
GPM Ethane	< 0.0003	gal/MCF		GPA 2261	07/25/18 07:27 / djb
GPM Propane	< 0.0003	gal/MCF		GPA 2261	07/25/18 07:27 / djb
GPM Isobutane	< 0.0003	gal/MCF		GPA 2261	07/25/18 07:27 / djb
GPM n-Butane	< 0.0003	gal/MCF		GPA 2261	07/25/18 07:27 / djb
GPM Isopentane	< 0.0004	gal/MCF		GPA 2261	07/25/18 07:27 / djb
GPM n-Pentane	< 0.0004	gal/MCF		GPA 2261	07/25/18 07:27 / djb
GPM Hexanes plus	0.0010	gal/MCF		GPA 2261	07/25/18 07:27 / djb
GPM Pentanes plus	0.0020	gal/MCF		GPA 2261	07/25/18 07:27 / djb
GPM Total	0.0020	gal/MCF		GPA 2261	07/25/18 07:27 / djb
CALCULATED PROPERTIES					
Calculation Pressure Base	14.730	psia		GPA 2261	07/25/18 07:27 / djb
Calculation Temperature Base	60	°F		GPA 2261	07/25/18 07:27 / djb
Compressibility Factor, Z	1.0000	unitless		GPA 2261	07/25/18 07:27 / djb
Molecular Weight	29.02	unitless		GPA 2261	07/25/18 07:27 / djb
Pseudo-critical Pressure, psia	548	psia		GPA 2261	07/25/18 07:27 / djb
Pseudo-critical Temperature, deg R	242	deg R		GPA 2261	07/25/18 07:27 / djb
Specific Gravity (air=1.000)	1.005	unitless		GPA 2261	07/25/18 07:27 / djb
Gross BTU per cu ft @ std cond, dry	0.20	BTU/cu ft		GPA 2261	07/25/18 07:27 / djb
Gross BTU per cu ft @ std cond, wet	0.20	BTU/cu ft		GPA 2261	07/25/18 07:27 / djb

Report Definitions: RL - Analyte reporting limit
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Gillette, WY Branch

Client:	Hall Environmental		
Project:	Not Indicated	**Report Date:**	07/25/18
Client Sample ID:	1807836-010B, Trunkline	**Collection Date:**	07/13/18 10:52
Location:		**Date Received:**	07/18/18
Lab ID:	G18070383-002	**Sampled By:**	Not Provided

Analyses	Result	Units	Qualifier	Method	Analysis Date / By
NATURAL GAS CHROMATOGRAPHIC ANALYSIS REPORT					
Oxygen	19.911	Mol %		GPA 2261	07/25/18 07:49 / djb
Nitrogen	78.588	Mol %		GPA 2261	07/25/18 07:49 / djb
Carbon Dioxide	1.501	Mol %		GPA 2261	07/25/18 07:49 / djb
Hydrogen Sulfide	< 0.001	Mol %		GPA 2261	07/25/18 07:49 / djb
Methane	< 0.001	Mol %		GPA 2261	07/25/18 07:49 / djb
Ethane	< 0.001	Mol %		GPA 2261	07/25/18 07:49 / djb
Propane	< 0.001	Mol %		GPA 2261	07/25/18 07:49 / djb
Isobutane	< 0.001	Mol %		GPA 2261	07/25/18 07:49 / djb
n-Butane	< 0.001	Mol %		GPA 2261	07/25/18 07:49 / djb
Isopentane	< 0.001	Mol %		GPA 2261	07/25/18 07:49 / djb
n-Pentane	< 0.001	Mol %		GPA 2261	07/25/18 07:49 / djb
Hexanes plus	< 0.001	Mol %		GPA 2261	07/25/18 07:49 / djb
GPM @ STD COND/1000 CU.FT., MOISTURE FREE GAS					
GPM Ethane	< 0.0003	gal/MCF		GPA 2261	07/25/18 07:49 / djb
GPM Propane	< 0.0003	gal/MCF		GPA 2261	07/25/18 07:49 / djb
GPM Isobutane	< 0.0003	gal/MCF		GPA 2261	07/25/18 07:49 / djb
GPM n-Butane	< 0.0003	gal/MCF		GPA 2261	07/25/18 07:49 / djb
GPM Isopentane	< 0.0004	gal/MCF		GPA 2261	07/25/18 07:49 / djb
GPM n-Pentane	< 0.0004	gal/MCF		GPA 2261	07/25/18 07:49 / djb
GPM Hexanes plus	< 0.0004	gal/MCF		GPA 2261	07/25/18 07:49 / djb
GPM Pentanes plus	< 0.0004	gal/MCF		GPA 2261	07/25/18 07:49 / djb
GPM Total	< 0.0004	gal/MCF		GPA 2261	07/25/18 07:49 / djb
CALCULATED PROPERTIES					
Calculation Pressure Base	14.730	psia		GPA 2261	07/25/18 07:49 / djb
Calculation Temperature Base	60	°F		GPA 2261	07/25/18 07:49 / djb
Compressibility Factor, Z	1.0000	unitless		GPA 2261	07/25/18 07:49 / djb
Molecular Weight	29.05	unitless		GPA 2261	07/25/18 07:49 / djb
Pseudo-critical Pressure, psia	550	psia		GPA 2261	07/25/18 07:49 / djb
Pseudo-critical Temperature, deg R	243	deg R		GPA 2261	07/25/18 07:49 / djb
Specific Gravity (air=1.000)	1.006	unitless		GPA 2261	07/25/18 07:49 / djb
Gross BTU per cu ft @ std cond, dry	< 0.01	BTU/cu ft		GPA 2261	07/25/18 07:49 / djb
Gross BTU per cu ft @ std cond, wet	< 0.01	BTU/cu ft		GPA 2261	07/25/18 07:49 / djb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Gillette, WY Branch

Client: Hall Environmental
Project: Not Indicated

Report Date: 07/25/18
Work Order: G18070383

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: GPA 2261									Analytical Run: R244767
Lab ID: ICV-1807250640	Initial Calibration Verification Standard								07/25/18 06:41
Oxygen	0.397	Mol %	0.001	83	75	110			
Nitrogen	5.030	Mol %	0.001	100	90	110			
Carbon Dioxide	4.920	Mol %	0.001	99	90	110			
Hydrogen Sulfide	0.128	Mol %	0.001	127	100	136			
Methane	73.047	Mol %	0.001	100	90	110			
Ethane	5.020	Mol %	0.001	101	90	110			
Propane	5.139	Mol %	0.001	101	90	110			
Isobutane	2.023	Mol %	0.001	100	90	110			
n-Butane	2.000	Mol %	0.001	99	90	110			
Isopentane	0.997	Mol %	0.001	100	90	110			
n-Pentane	0.991	Mol %	0.001	99	90	110			
Hexanes plus	0.308	Mol %	0.001	102	90	110			
Lab ID: CCV-1807250649	Continuing Calibration Verification Standard								07/25/18 06:49
Oxygen	0.589	Mol %	0.001	98	90	110			
Nitrogen	1.309	Mol %	0.001	93	85	110			
Carbon Dioxide	0.969	Mol %	0.001	97	90	110			
Hydrogen Sulfide	0.025	Mol %	0.001	100	70	130			
Methane	93.516	Mol %	0.001	100	90	110			
Ethane	1.026	Mol %	0.001	102	90	110			
Propane	1.010	Mol %	0.001	101	90	110			
Isobutane	0.507	Mol %	0.001	101	90	110			
n-Butane	0.494	Mol %	0.001	99	90	110			
Isopentane	0.202	Mol %	0.001	101	90	110			
n-Pentane	0.199	Mol %	0.001	99	90	110			
Hexanes plus	0.155	Mol %	0.001	102	90	110			
Lab ID: CCV-1807250843	Continuing Calibration Verification Standard								07/25/18 08:43
Oxygen	0.588	Mol %	0.001	98	90	110			
Nitrogen	1.306	Mol %	0.001	93	85	110			
Carbon Dioxide	0.970	Mol %	0.001	97	90	110			
Hydrogen Sulfide	0.026	Mol %	0.001	104	70	130			
Methane	93.528	Mol %	0.001	100	90	110			
Ethane	1.024	Mol %	0.001	102	90	110			
Propane	1.009	Mol %	0.001	101	90	110			
Isobutane	0.504	Mol %	0.001	101	90	110			
n-Butane	0.491	Mol %	0.001	98	90	110			
Isopentane	0.201	Mol %	0.001	100	90	110			
n-Pentane	0.198	Mol %	0.001	99	90	110			
Hexanes plus	0.155	Mol %	0.001	102	90	110			
Method: GPA 2261									Batch: R244767

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Gillette WY Branch

Client: Hall Environmental
Project: Not Indicated

Report Date: 07/25/18
Work Order: G18070383

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: GPA 2261									Batch: R244767
Lab ID: G18070383-001ADUP	Sample Duplicate				Run: Varian GC_180725A				07/25/18 07:32
Oxygen	19.042	Mol %	0.001				0.0	10	
Nitrogen	79.389	Mol %	0.001				0.0	10	
Carbon Dioxide	1.565	Mol %	0.001				0.0	10	
Hydrogen Sulfide	< 0.001	Mol %	0.001					10	
Methane	< 0.001	Mol %	0.001					10	
Ethane	< 0.001	Mol %	0.001					10	
Propane	< 0.001	Mol %	0.001					10	
Isobutane	< 0.001	Mol %	0.001					10	
n-Butane	< 0.001	Mol %	0.001					10	
Isopentane	0.001	Mol %	0.001				0.0	10	
n-Pentane	0.001	Mol %	0.001				0.0	10	
Hexanes plus	0.002	Mol %	0.001				0.0	10	
Lab ID: G18070383-002ADUP	Sample Duplicate				Run: Varian GC_180725A				07/25/18 07:54
Oxygen	19.918	Mol %	0.001				0.0	10	
Nitrogen	78.566	Mol %	0.001				0.0	10	
Carbon Dioxide	1.496	Mol %	0.001				0.3	10	
Hydrogen Sulfide	< 0.001	Mol %	0.001					10	
Methane	< 0.001	Mol %	0.001					10	
Ethane	< 0.001	Mol %	0.001					10	
Propane	< 0.001	Mol %	0.001					10	
Isobutane	< 0.001	Mol %	0.001					10	
n-Butane	< 0.001	Mol %	0.001					10	
Isopentane	< 0.001	Mol %	0.001					10	
n-Pentane	< 0.001	Mol %	0.001					10	
Hexanes plus	< 0.001	Mol %	0.001					10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1807836**

25-Jul-18

Client: MYC Environmental And Construction LLC

Project: TTS and SG Deming

Sample ID **1807836-002a dup**	SampType: **DUP**	TestCode: **EPA Method 8260B: Volatiles**
Client ID: **Stack**	Batch ID: **W52846**	RunNo: **52846**
Prep Date:	Analysis Date: **7/19/2018**	SeqNo: **1736475** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	7.2	1.0						3.63	20	
Toluene	31	1.0						1.06	20	
Ethylbenzene	12	1.0						1.44	20	
Methyl tert-butyl ether (MTBE)	ND	1.0						0	20	
1,2,4-Trimethylbenzene	11	1.0						7.56	20	
1,3,5-Trimethylbenzene	6.2	1.0						8.77	20	
1,2-Dichloroethane (EDC)	ND	1.0						0	20	
1,2-Dibromoethane (EDB)	ND	1.0						0	20	
Naphthalene	ND	2.0						0	20	
1-Methylnaphthalene	ND	4.0						0	20	
2-Methylnaphthalene	ND	4.0						0	20	
Acetone	ND	10						0	20	
Bromobenzene	ND	1.0						0	20	
Bromodichloromethane	ND	1.0						0	20	
Bromoform	ND	1.0						0	20	
Bromomethane	ND	2.0						0	20	
2-Butanone	ND	10						0	20	
Carbon disulfide	ND	10						0	20	
Carbon tetrachloride	ND	1.0						0	20	
Chlorobenzene	ND	1.0						0	20	
Chloroethane	ND	2.0						0	20	
Chloroform	ND	1.0						0	20	
Chloromethane	ND	1.0						0	20	
2-Chlorotoluene	ND	1.0						0	20	
4-Chlorotoluene	ND	1.0						0	20	
cis-1,2-DCE	ND	1.0						0	20	
cis-1,3-Dichloropropene	ND	1.0						0	20	
1,2-Dibromo-3-chloropropane	ND	2.0						0	20	
Dibromochloromethane	ND	1.0						0	20	
Dibromomethane	ND	2.0						0	20	
1,2-Dichlorobenzene	ND	1.0						0	20	
1,3-Dichlorobenzene	ND	1.0						0	20	
1,4-Dichlorobenzene	ND	1.0						0	20	
Dichlorodifluoromethane	ND	1.0						0	20	
1,1-Dichloroethane	ND	1.0						0	20	
1,1-Dichloroethene	ND	1.0						0	20	
1,2-Dichloropropane	ND	1.0						0	20	
1,3-Dichloropropane	ND	1.0						0	20	
2,2-Dichloropropane	ND	1.0						0	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1807836**

25-Jul-18

Client: MYC Environmental And Construction LLC

Project: TTS and SG Deming

Sample ID **1807836-002a dup**	SampType: **DUP**	TestCode: **EPA Method 8260B: Volatiles**
Client ID: **Stack**	Batch ID: **W52846**	RunNo: **52846**
Prep Date:	Analysis Date: **7/19/2018**	SeqNo: **1736475** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloropropene	ND	1.0						0	20	
Hexachlorobutadiene	ND	1.0						0	20	
2-Hexanone	ND	10						0	20	
Isopropylbenzene	1.4	1.0						7.73	20	
4-Isopropyltoluene	ND	1.0						0	20	
4-Methyl-2-pentanone	ND	10						0	20	
Methylene chloride	4.9	3.0						200	20	R
n-Butylbenzene	ND	3.0						0	20	
n-Propylbenzene	3.6	1.0						2.79	20	
sec-Butylbenzene	ND	1.0						0	20	
Styrene	ND	1.0						0	20	
tert-Butylbenzene	ND	1.0						0	20	
1,1,1,2-Tetrachloroethane	ND	1.0						0	20	
1,1,2,2-Tetrachloroethane	ND	1.0						0	20	
Tetrachloroethene (PCE)	ND	1.0						0	20	
trans-1,2-DCE	ND	1.0						0	20	
trans-1,3-Dichloropropene	ND	1.0						0	20	
1,2,3-Trichlorobenzene	ND	1.0						0	20	
1,2,4-Trichlorobenzene	ND	1.0						0	20	
1,1,1-Trichloroethane	ND	1.0						0	20	
1,1,2-Trichloroethane	ND	1.0						0	20	
Trichloroethene (TCE)	ND	1.0						0	20	
Trichlorofluoromethane	ND	1.0						0	20	
1,2,3-Trichloropropane	ND	2.0						0	20	
Vinyl chloride	ND	1.0						0	20	
Xylenes, Total	67	1.5						2.31	20	
Surr: Dibromofluoromethane	11		10.00		105	70	130	0	0	
Surr: 1,2-Dichloroethane-d4	10		10.00		99.8	70	130	0	0	
Surr: Toluene-d8	11		10.00		108	70	130	0	0	
Surr: 4-Bromofluorobenzene	10		10.00		104	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: MYC ENVIRONMENTAL Work Order Number: 1807836 RcptNo: 1

Received By: Erin Melendrez 7/16/2018 4:52:00 PM

Completed By: Ashley Gallegos 7/17/2018 8:39:06 AM

Reviewed By: JAB 07/17/18

LB: ENM 7/17/18

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? Client

Log In

3. Was an attempt made to cool the samples? Yes ☐ No ☐ NA ☑
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☐ No ☐ NA ☑
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☑
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
Adjusted? _____
Checked by: _____
ENM 7/17/18

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☑ No ☐ NA ☐

Person Notified:	Kris Sharma	Date:	7/17/2018
By Whom:	Erin Melendrez	Via:	☐ eMail ☑ Phone ☐ Fax ☐ In Person
Regarding:	1 hour time discrepancy between lable and COC for sample -002		
Client Instructions:	Use time on lable.		

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	NA	Good	Not Present			

Chain-of-Custody Record

Client: MYC Environmental & Construction, LLC

Mailing Address: 5400 Vierra Ave SW ALB, NM 87105

Phone #: 505 818 0806

email or Fax#: kris@mycenviro.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name: TTS & SG Deming

Project #:

Project Manager: Jeff Cotter

Sampler: Kris Sharma

On Ice: ☐ Yes ☐ No

Sample Temperature: N/A

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1807836	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	8015D GRO	Fixed Gas DPA2261	8260B	8260B Shortlist	Air Bubbles (Y or N)
7/12/18	12:30	Air	SVE-5	Tedlar		-001															X	
7/12/18	~~10:59~~ 11 ENM	7/17/18 Per Kris	Stack			-002														X	X	
7/13/18	11:52		Trunkline			-003												X	X	X		
7/13/18	11:05		SVE-6			-004												X	X		X	
7/13/18	11:12		SVE-7			-005															X	
7/13/18	11:17		SVE-8			-006															X	
7/13/18	11:21		SVE-9			-007															X	
7/13/18	11:28am		SVE-10			-008															X	
7/13/18	10:59		Stack			-009														X		
7/13/18	10:52		Trunkline			-010												X	X			

Date:	Time:	Relinquished by:	Received by:	Date	Time
7/16/18	16:52	Kris Sharma	[signature]	7/16/18	1652
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

August 09, 2018

Jeff Cotter

MYC Environmental And Construction LLC
5400 Vierra Ave SW
Albuquerque, New Mexico 87105
TEL:
FAX

RE: TTS & SG OrderNo.: 1807F76

Dear Jeff Cotter:

Hall Environmental Analysis Laboratory received 24 sample(s) on 7/27/2018 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-6
Project: TTS & SG
Collection Date: 7/25/2018 7:18:00 PM
Lab ID: 1807F76-001 **Matrix:** AIR
Received Date: 7/27/2018 4:34:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	3.0	2.0		µg/L	20	8/2/2018 1:10:00 PM
Toluene	140	2.0		µg/L	20	8/2/2018 1:10:00 PM
Ethylbenzene	13	2.0		µg/L	20	8/2/2018 1:10:00 PM
Xylenes, Total	150	3.0		µg/L	20	8/2/2018 1:10:00 PM
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	20	8/2/2018 1:10:00 PM
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	20	8/2/2018 1:10:00 PM
Surr: Dibromofluoromethane	113	70-130		%Rec	20	8/2/2018 1:10:00 PM
Surr: Toluene-d8	98.6	70-130		%Rec	20	8/2/2018 1:10:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-7
Project: TTS & SG
Collection Date: 7/25/2018 7:31:00 PM
Lab ID: 1807F76-002 **Matrix:** AIR
Received Date: 7/27/2018 4:34:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	3.8	2.0		µg/L	20	8/2/2018 1:59:00 PM
Toluene	180	2.0		µg/L	20	8/2/2018 1:59:00 PM
Ethylbenzene	18	2.0		µg/L	20	8/2/2018 1:59:00 PM
Xylenes, Total	210	3.0		µg/L	20	8/2/2018 1:59:00 PM
Surr: 1,2-Dichloroethane-d4	114	70-130		%Rec	20	8/2/2018 1:59:00 PM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	20	8/2/2018 1:59:00 PM
Surr: Dibromofluoromethane	119	70-130		%Rec	20	8/2/2018 1:59:00 PM
Surr: Toluene-d8	96.3	70-130		%Rec	20	8/2/2018 1:59:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-8
Project: TTS & SG
Collection Date: 7/25/2018 7:42:00 PM
Lab ID: 1807F76-003 **Matrix:** AIR
Received Date: 7/27/2018 4:34:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	14	2.0		µg/L	20	8/2/2018 2:23:00 PM
Toluene	140	2.0		µg/L	20	8/2/2018 2:23:00 PM
Ethylbenzene	15	2.0		µg/L	20	8/2/2018 2:23:00 PM
Xylenes, Total	160	3.0		µg/L	20	8/2/2018 2:23:00 PM
Surr: 1,2-Dichloroethane-d4	114	70-130		%Rec	20	8/2/2018 2:23:00 PM
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	20	8/2/2018 2:23:00 PM
Surr: Dibromofluoromethane	122	70-130		%Rec	20	8/2/2018 2:23:00 PM
Surr: Toluene-d8	97.8	70-130		%Rec	20	8/2/2018 2:23:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-9
Project: TTS & SG
Collection Date: 7/25/2018 7:48:00 PM
Lab ID: 1807F76-004 **Matrix:** AIR
Received Date: 7/27/2018 4:34:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	43	0.50		µg/L	5	8/2/2018 2:48:00 PM
Toluene	110	2.0		µg/L	20	8/6/2018 3:44:00 PM
Ethylbenzene	15	0.50		µg/L	5	8/2/2018 2:48:00 PM
Xylenes, Total	110	3.0		µg/L	20	8/6/2018 3:44:00 PM
Surr: 1,2-Dichloroethane-d4	110	70-130		%Rec	5	8/2/2018 2:48:00 PM
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	5	8/2/2018 2:48:00 PM
Surr: Dibromofluoromethane	123	70-130		%Rec	5	8/2/2018 2:48:00 PM
Surr: Toluene-d8	98.5	70-130		%Rec	5	8/2/2018 2:48:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-10
Project: TTS & SG
Collection Date: 7/25/2018 7:58:00 PM
Lab ID: 1807F76-005 **Matrix:** AIR
Received Date: 7/27/2018 4:34:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	9.7	0.50		µg/L	5	8/2/2018 3:13:00 PM
Toluene	29	0.50		µg/L	5	8/2/2018 3:13:00 PM
Ethylbenzene	4.7	0.50		µg/L	5	8/2/2018 3:13:00 PM
Xylenes, Total	56	0.75		µg/L	5	8/2/2018 3:13:00 PM
Surr: 1,2-Dichloroethane-d4	113	70-130		%Rec	5	8/2/2018 3:13:00 PM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	5	8/2/2018 3:13:00 PM
Surr: Dibromofluoromethane	123	70-130		%Rec	5	8/2/2018 3:13:00 PM
Surr: Toluene-d8	97.0	70-130		%Rec	5	8/2/2018 3:13:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Trunkline Circuit 2
Project: TTS & SG
Collection Date: 7/25/2018 8:05:00 PM
Lab ID: 1807F76-006 **Matrix:** AIR
Received Date: 7/27/2018 4:34:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	7100	50		µg/L	10	7/31/2018 12:37:10 PM
Surr: BFB	274	80.2-145	S	%Rec	10	7/31/2018 12:37:10 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Stack Circuit 2
Project: TTS & SG
Collection Date: 7/25/2018 8:14:00 PM
Lab ID: 1807F76-008 **Matrix:** AIR
Received Date: 7/27/2018 4:34:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	17	1.0		µg/L	10	8/2/2018 3:37:00 PM
Toluene	120	2.0		µg/L	20	8/6/2018 4:09:00 PM
Ethylbenzene	16	1.0		µg/L	10	8/2/2018 3:37:00 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
1,2,4-Trimethylbenzene	15	1.0		µg/L	10	8/2/2018 3:37:00 PM
1,3,5-Trimethylbenzene	9.2	1.0		µg/L	10	8/2/2018 3:37:00 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
Naphthalene	ND	2.0		µg/L	10	8/2/2018 3:37:00 PM
1-Methylnaphthalene	ND	4.0		µg/L	10	8/2/2018 3:37:00 PM
2-Methylnaphthalene	ND	4.0		µg/L	10	8/2/2018 3:37:00 PM
Acetone	ND	10		µg/L	10	8/2/2018 3:37:00 PM
Bromobenzene	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
Bromodichloromethane	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
Bromoform	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
Bromomethane	ND	2.0		µg/L	10	8/2/2018 3:37:00 PM
2-Butanone	ND	10		µg/L	10	8/2/2018 3:37:00 PM
Carbon disulfide	ND	10		µg/L	10	8/2/2018 3:37:00 PM
Carbon tetrachloride	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
Chlorobenzene	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
Chloroethane	ND	2.0		µg/L	10	8/2/2018 3:37:00 PM
Chloroform	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
Chloromethane	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
2-Chlorotoluene	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
4-Chlorotoluene	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
cis-1,2-DCE	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	10	8/2/2018 3:37:00 PM
Dibromochloromethane	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
Dibromomethane	ND	2.0		µg/L	10	8/2/2018 3:37:00 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
Dichlorodifluoromethane	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
1,1-Dichloroethane	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
1,1-Dichloroethene	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
1,2-Dichloropropane	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
1,3-Dichloropropane	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
2,2-Dichloropropane	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Stack Circuit 2
Project: TTS & SG
Collection Date: 7/25/2018 8:14:00 PM
Lab ID: 1807F76-008 **Matrix:** AIR
Received Date: 7/27/2018 4:34:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,1-Dichloropropene	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
Hexachlorobutadiene	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
2-Hexanone	ND	10		µg/L	10	8/2/2018 3:37:00 PM
Isopropylbenzene	1.8	1.0		µg/L	10	8/2/2018 3:37:00 PM
4-Isopropyltoluene	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	10	8/2/2018 3:37:00 PM
Methylene chloride	ND	3.0		µg/L	10	8/2/2018 3:37:00 PM
n-Butylbenzene	ND	3.0		µg/L	10	8/2/2018 3:37:00 PM
n-Propylbenzene	2.4	1.0		µg/L	10	8/2/2018 3:37:00 PM
sec-Butylbenzene	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
Styrene	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
tert-Butylbenzene	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
trans-1,2-DCE	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
Trichloroethene (TCE)	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
Trichlorofluoromethane	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	10	8/2/2018 3:37:00 PM
Vinyl chloride	ND	1.0		µg/L	10	8/2/2018 3:37:00 PM
Xylenes, Total	160	1.5		µg/L	10	8/2/2018 3:37:00 PM
Surr: Dibromofluoromethane	121	70-130		%Rec	10	8/2/2018 3:37:00 PM
Surr: 1,2-Dichloroethane-d4	114	70-130		%Rec	10	8/2/2018 3:37:00 PM
Surr: Toluene-d8	99.2	70-130		%Rec	10	8/2/2018 3:37:00 PM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	10	8/2/2018 3:37:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Stack Circuit 3
Project: TTS & SG
Collection Date: 7/26/2018 8:18:00 PM
Lab ID: 1807F76-009 **Matrix:** AIR
Received Date: 7/27/2018 4:34:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	1.3	1.0		µg/L	10	8/2/2018 4:02:00 PM
Toluene	38	1.0		µg/L	10	8/2/2018 4:02:00 PM
Ethylbenzene	9.7	1.0		µg/L	10	8/2/2018 4:02:00 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
1,2,4-Trimethylbenzene	8.5	1.0		µg/L	10	8/2/2018 4:02:00 PM
1,3,5-Trimethylbenzene	5.2	1.0		µg/L	10	8/2/2018 4:02:00 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
Naphthalene	ND	2.0		µg/L	10	8/2/2018 4:02:00 PM
1-Methylnaphthalene	ND	4.0		µg/L	10	8/2/2018 4:02:00 PM
2-Methylnaphthalene	ND	4.0		µg/L	10	8/2/2018 4:02:00 PM
Acetone	ND	10		µg/L	10	8/2/2018 4:02:00 PM
Bromobenzene	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
Bromodichloromethane	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
Bromoform	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
Bromomethane	ND	2.0		µg/L	10	8/2/2018 4:02:00 PM
2-Butanone	ND	10		µg/L	10	8/2/2018 4:02:00 PM
Carbon disulfide	ND	10		µg/L	10	8/2/2018 4:02:00 PM
Carbon tetrachloride	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
Chlorobenzene	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
Chloroethane	ND	2.0		µg/L	10	8/2/2018 4:02:00 PM
Chloroform	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
Chloromethane	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
2-Chlorotoluene	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
4-Chlorotoluene	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
cis-1,2-DCE	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	10	8/2/2018 4:02:00 PM
Dibromochloromethane	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
Dibromomethane	ND	2.0		µg/L	10	8/2/2018 4:02:00 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
Dichlorodifluoromethane	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
1,1-Dichloroethane	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
1,1-Dichloroethene	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
1,2-Dichloropropane	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
1,3-Dichloropropane	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
2,2-Dichloropropane	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Stack Circuit 3
Project: TTS & SG
Collection Date: 7/26/2018 8:18:00 PM
Lab ID: 1807F76-009
Matrix: AIR
Received Date: 7/27/2018 4:34:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,1-Dichloropropene	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
Hexachlorobutadiene	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
2-Hexanone	ND	10		µg/L	10	8/2/2018 4:02:00 PM
Isopropylbenzene	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
4-Isopropyltoluene	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	10	8/2/2018 4:02:00 PM
Methylene chloride	ND	3.0		µg/L	10	8/2/2018 4:02:00 PM
n-Butylbenzene	ND	3.0		µg/L	10	8/2/2018 4:02:00 PM
n-Propylbenzene	1.4	1.0		µg/L	10	8/2/2018 4:02:00 PM
sec-Butylbenzene	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
Styrene	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
tert-Butylbenzene	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
trans-1,2-DCE	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
Trichloroethene (TCE)	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
Trichlorofluoromethane	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	10	8/2/2018 4:02:00 PM
Vinyl chloride	ND	1.0		µg/L	10	8/2/2018 4:02:00 PM
Xylenes, Total	93	1.5		µg/L	10	8/2/2018 4:02:00 PM
Surr: Dibromofluoromethane	126	70-130		%Rec	10	8/2/2018 4:02:00 PM
Surr: 1,2-Dichloroethane-d4	117	70-130		%Rec	10	8/2/2018 4:02:00 PM
Surr: Toluene-d8	96.0	70-130		%Rec	10	8/2/2018 4:02:00 PM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	10	8/2/2018 4:02:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Trunkline Circuit 3
Project: TTS & SG
Collection Date: 7/26/2018 8:04:00 PM
Lab ID: 1807F76-010 **Matrix:** AIR
Received Date: 7/27/2018 4:34:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	2000	50		µg/L	10	7/31/2018 1:00:36 PM
Surr: BFB	163	80.2-145	S	%Rec	10	7/31/2018 1:00:36 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-11
Project: TTS & SG
Collection Date: 7/26/2018 8:20:00 PM
Lab ID: 1807F76-012 **Matrix:** AIR
Received Date: 7/27/2018 4:34:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	0.60	0.20		µg/L	2	8/2/2018 4:27:00 PM
Toluene	5.3	0.20		µg/L	2	8/2/2018 4:27:00 PM
Ethylbenzene	1.4	0.20		µg/L	2	8/2/2018 4:27:00 PM
Xylenes, Total	15	0.30		µg/L	2	8/2/2018 4:27:00 PM
Surr: 1,2-Dichloroethane-d4	118	70-130		%Rec	2	8/2/2018 4:27:00 PM
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	2	8/2/2018 4:27:00 PM
Surr: Dibromofluoromethane	126	70-130		%Rec	2	8/2/2018 4:27:00 PM
Surr: Toluene-d8	98.3	70-130		%Rec	2	8/2/2018 4:27:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-12
Project: TTS & SG
Collection Date: 7/26/2018 8:24:00 PM
Lab ID: 1807F76-013 **Matrix:** AIR
Received Date: 7/27/2018 4:34:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	32	2.0		µg/L	20	8/6/2018 4:34:00 PM
Toluene	91	2.0		µg/L	20	8/6/2018 4:34:00 PM
Ethylbenzene	7.2	2.0		µg/L	20	8/6/2018 4:34:00 PM
Xylenes, Total	210	3.0		µg/L	20	8/6/2018 4:34:00 PM
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	20	8/6/2018 4:34:00 PM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	20	8/6/2018 4:34:00 PM
Surr: Dibromofluoromethane	103	70-130		%Rec	20	8/6/2018 4:34:00 PM
Surr: Toluene-d8	93.0	70-130		%Rec	20	8/6/2018 4:34:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-13
Project: TTS & SG
Collection Date: 7/26/2018 8:30:00 PM
Lab ID: 1807F76-014 **Matrix:** AIR
Received Date: 7/27/2018 4:34:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	3.2	1.0		µg/L	10	8/6/2018 5:24:00 PM
Toluene	77	1.0		µg/L	10	8/6/2018 5:24:00 PM
Ethylbenzene	19	1.0		µg/L	10	8/6/2018 5:24:00 PM
Xylenes, Total	190	1.5		µg/L	10	8/6/2018 5:24:00 PM
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	10	8/6/2018 5:24:00 PM
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	10	8/6/2018 5:24:00 PM
Surr: Dibromofluoromethane	102	70-130		%Rec	10	8/6/2018 5:24:00 PM
Surr: Toluene-d8	96.7	70-130		%Rec	10	8/6/2018 5:24:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-14
Project: TTS & SG
Collection Date: 7/26/2018 8:34:00 PM
Lab ID: 1807F76-015 **Matrix:** AIR
Received Date: 7/27/2018 4:34:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	11	1.0		µg/L	10	8/6/2018 5:50:00 PM
Toluene	52	1.0		µg/L	10	8/6/2018 5:50:00 PM
Ethylbenzene	11	1.0		µg/L	10	8/6/2018 5:50:00 PM
Xylenes, Total	100	1.5		µg/L	10	8/6/2018 5:50:00 PM
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	10	8/6/2018 5:50:00 PM
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	10	8/6/2018 5:50:00 PM
Surr: Dibromofluoromethane	103	70-130		%Rec	10	8/6/2018 5:50:00 PM
Surr: Toluene-d8	94.6	70-130		%Rec	10	8/6/2018 5:50:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-15
Project: TTS & SG
Collection Date: 7/26/2018 8:41:00 PM
Lab ID: 1807F76-016 **Matrix:** AIR
Received Date: 7/27/2018 4:34:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	4.5	0.50		µg/L	5	8/7/2018 11:54:00 AM
Toluene	9.8	0.50		µg/L	5	8/7/2018 11:54:00 AM
Ethylbenzene	1.7	0.50		µg/L	5	8/7/2018 11:54:00 AM
Xylenes, Total	25	0.75		µg/L	5	8/7/2018 11:54:00 AM
Surr: 1,2-Dichloroethane-d4	98.7	70-130		%Rec	5	8/7/2018 11:54:00 AM
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	5	8/7/2018 11:54:00 AM
Surr: Dibromofluoromethane	99.4	70-130		%Rec	5	8/7/2018 11:54:00 AM
Surr: Toluene-d8	95.9	70-130		%Rec	5	8/7/2018 11:54:00 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Circuit 1 Stack
Project: TTS & SG
Collection Date: 7/27/2018 10:25:00 AM
Lab ID: 1807F76-017 **Matrix:** AIR
Received Date: 7/27/2018 4:34:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	2.3	1.0		µg/L	10	8/7/2018 12:43:00 PM
Toluene	22	1.0		µg/L	10	8/7/2018 12:43:00 PM
Ethylbenzene	10	1.0		µg/L	10	8/7/2018 12:43:00 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
1,2,4-Trimethylbenzene	6.7	1.0		µg/L	10	8/7/2018 12:43:00 PM
1,3,5-Trimethylbenzene	4.0	1.0		µg/L	10	8/7/2018 12:43:00 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
Naphthalene	ND	2.0		µg/L	10	8/7/2018 12:43:00 PM
1-Methylnaphthalene	ND	4.0		µg/L	10	8/7/2018 12:43:00 PM
2-Methylnaphthalene	ND	4.0		µg/L	10	8/7/2018 12:43:00 PM
Acetone	ND	10		µg/L	10	8/7/2018 12:43:00 PM
Bromobenzene	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
Bromodichloromethane	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
Bromoform	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
Bromomethane	ND	2.0		µg/L	10	8/7/2018 12:43:00 PM
2-Butanone	ND	10		µg/L	10	8/7/2018 12:43:00 PM
Carbon disulfide	ND	10		µg/L	10	8/7/2018 12:43:00 PM
Carbon tetrachloride	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
Chlorobenzene	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
Chloroethane	ND	2.0		µg/L	10	8/7/2018 12:43:00 PM
Chloroform	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
Chloromethane	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
2-Chlorotoluene	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
4-Chlorotoluene	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
cis-1,2-DCE	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	10	8/7/2018 12:43:00 PM
Dibromochloromethane	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
Dibromomethane	ND	2.0		µg/L	10	8/7/2018 12:43:00 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
Dichlorodifluoromethane	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
1,1-Dichloroethane	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
1,1-Dichloroethene	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
1,2-Dichloropropane	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
1,3-Dichloropropane	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
2,2-Dichloropropane	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Circuit 1 Stack
Project: TTS & SG
Collection Date: 7/27/2018 10:25:00 AM
Lab ID: 1807F76-017 **Matrix:** AIR
Received Date: 7/27/2018 4:34:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,1-Dichloropropene	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
Hexachlorobutadiene	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
2-Hexanone	ND	10		µg/L	10	8/7/2018 12:43:00 PM
Isopropylbenzene	1.2	1.0		µg/L	10	8/7/2018 12:43:00 PM
4-Isopropyltoluene	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	10	8/7/2018 12:43:00 PM
Methylene chloride	ND	3.0		µg/L	10	8/7/2018 12:43:00 PM
n-Butylbenzene	ND	3.0		µg/L	10	8/7/2018 12:43:00 PM
n-Propylbenzene	2.5	1.0		µg/L	10	8/7/2018 12:43:00 PM
sec-Butylbenzene	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
Styrene	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
tert-Butylbenzene	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
trans-1,2-DCE	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
Trichloroethene (TCE)	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
Trichlorofluoromethane	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	10	8/7/2018 12:43:00 PM
Vinyl chloride	ND	1.0		µg/L	10	8/7/2018 12:43:00 PM
Xylenes, Total	56	1.5		µg/L	10	8/7/2018 12:43:00 PM
Surr: Dibromofluoromethane	102	70-130		%Rec	10	8/7/2018 12:43:00 PM
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	10	8/7/2018 12:43:00 PM
Surr: Toluene-d8	97.1	70-130		%Rec	10	8/7/2018 12:43:00 PM
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	10	8/7/2018 12:43:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Circuit 1 Trunkline
Project: TTS & SG
Collection Date: 7/27/2018 10:18:00 AM
Lab ID: 1807F76-018 **Matrix:** AIR
Received Date: 7/27/2018 4:34:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	2800	50		µg/L	10	7/31/2018 1:24:06 PM
Surr: BFB	182	80.2-145	S	%Rec	10	7/31/2018 1:24:06 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-1
Project: TTS & SG
Collection Date: 7/27/2018 10:33:00 AM
Lab ID: 1807F76-020 **Matrix:** AIR
Received Date: 7/27/2018 4:34:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	3.5	1.0		µg/L	10	8/7/2018 1:07:00 PM
Toluene	29	1.0		µg/L	10	8/7/2018 1:07:00 PM
Ethylbenzene	32	1.0		µg/L	10	8/7/2018 1:07:00 PM
Xylenes, Total	130	1.5		µg/L	10	8/7/2018 1:07:00 PM
Surr: 1,2-Dichloroethane-d4	99.0	70-130		%Rec	10	8/7/2018 1:07:00 PM
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	10	8/7/2018 1:07:00 PM
Surr: Dibromofluoromethane	98.6	70-130		%Rec	10	8/7/2018 1:07:00 PM
Surr: Toluene-d8	94.9	70-130		%Rec	10	8/7/2018 1:07:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-2
Project: TTS & SG
Collection Date: 7/27/2018 10:41:00 AM
Lab ID: 1807F76-021 **Matrix:** AIR
Received Date: 7/27/2018 4:34:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	14	1.0		µg/L	10	8/7/2018 1:32:00 PM
Toluene	27	1.0		µg/L	10	8/7/2018 1:32:00 PM
Ethylbenzene	9.9	1.0		µg/L	10	8/7/2018 1:32:00 PM
Xylenes, Total	45	1.5		µg/L	10	8/7/2018 1:32:00 PM
Surr: 1,2-Dichloroethane-d4	99.8	70-130		%Rec	10	8/7/2018 1:32:00 PM
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	10	8/7/2018 1:32:00 PM
Surr: Dibromofluoromethane	102	70-130		%Rec	10	8/7/2018 1:32:00 PM
Surr: Toluene-d8	96.1	70-130		%Rec	10	8/7/2018 1:32:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-3
Project: TTS & SG
Collection Date: 7/27/2018 10:48:00 AM
Lab ID: 1807F76-022 **Matrix:** AIR
Received Date: 7/27/2018 4:34:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	8.3	1.0		µg/L	10	8/7/2018 1:56:00 PM
Toluene	43	1.0		µg/L	10	8/7/2018 1:56:00 PM
Ethylbenzene	6.6	1.0		µg/L	10	8/7/2018 1:56:00 PM
Xylenes, Total	38	1.5		µg/L	10	8/7/2018 1:56:00 PM
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	10	8/7/2018 1:56:00 PM
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	10	8/7/2018 1:56:00 PM
Surr: Dibromofluoromethane	101	70-130		%Rec	10	8/7/2018 1:56:00 PM
Surr: Toluene-d8	95.2	70-130		%Rec	10	8/7/2018 1:56:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-4
Project: TTS & SG
Collection Date: 7/27/2018 10:56:00 AM
Lab ID: 1807F76-023 **Matrix:** AIR
Received Date: 7/27/2018 4:34:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	23	1.0		µg/L	10	8/7/2018 2:21:00 PM
Toluene	68	1.0		µg/L	10	8/7/2018 2:21:00 PM
Ethylbenzene	7.5	1.0		µg/L	10	8/7/2018 2:21:00 PM
Xylenes, Total	110	1.5		µg/L	10	8/7/2018 2:21:00 PM
Surr: 1,2-Dichloroethane-d4	99.6	70-130		%Rec	10	8/7/2018 2:21:00 PM
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	10	8/7/2018 2:21:00 PM
Surr: Dibromofluoromethane	98.7	70-130		%Rec	10	8/7/2018 2:21:00 PM
Surr: Toluene-d8	95.5	70-130		%Rec	10	8/7/2018 2:21:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-5
Project: TTS & SG
Collection Date: 7/27/2018 11:03:00 AM
Lab ID: 1807F76-024 **Matrix:** AIR
Received Date: 7/27/2018 4:34:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	10	1.0		µg/L	10	8/7/2018 2:46:00 PM
Toluene	35	1.0		µg/L	10	8/7/2018 2:46:00 PM
Ethylbenzene	8.0	1.0		µg/L	10	8/7/2018 2:46:00 PM
Xylenes, Total	56	1.5		µg/L	10	8/7/2018 2:46:00 PM
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	10	8/7/2018 2:46:00 PM
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	10	8/7/2018 2:46:00 PM
Surr: Dibromofluoromethane	101	70-130		%Rec	10	8/7/2018 2:46:00 PM
Surr: Toluene-d8	94.6	70-130		%Rec	10	8/7/2018 2:46:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

LABORATORY ANALYTICAL REPORT

Prepared by Gillette, WY Branch

Client: Hall Environmental
Project: Not Indicated
Client Sample ID: 1807F75-007A; Trunkline Circuit 2
Location:
Lab ID: G18080036-001

Report Date: 08/07/18
Collection Date: 07/25/18 20:05
Date Received: 08/01/18
Sampled By: Not Provided

Analyses	Result	Units	Qualifier	Method	Analysis Date / By
NATURAL GAS CHROMATOGRAPHIC ANALYSIS REPORT					
Oxygen	19.511	Mol %		GPA 2261	08/07/18 08:58 / djb
Nitrogen	78.732	Mol %		GPA 2261	08/07/18 08:58 / djb
Carbon Dioxide	1.718	Mol %		GPA 2261	08/07/18 08:58 / djb
Hydrogen Sulfide	< 0.001	Mol %		GPA 2261	08/07/18 08:58 / djb
Methane	< 0.001	Mol %		GPA 2261	08/07/18 08:58 / djb
Ethane	< 0.001	Mol %		GPA 2261	08/07/18 08:58 / djb
Propane	< 0.001	Mol %		GPA 2261	08/07/18 08:58 / djb
Isobutane	< 0.001	Mol %		GPA 2261	08/07/18 08:58 / djb
n-Butane	0.003	Mol %		GPA 2261	08/07/18 08:58 / djb
Isopentane	0.007	Mol %		GPA 2261	08/07/18 08:58 / djb
n-Pentane	0.005	Mol %		GPA 2261	08/07/18 08:58 / djb
Hexanes plus	0.024	Mol %		GPA 2261	08/07/18 08:58 / djb
GPM @ STD COND/1000 CU.FT., MOISTURE FREE GAS					
GPM Ethane	< 0.0003	gal/MCF		GPA 2261	08/07/18 08:58 / djb
GPM Propane	< 0.0003	gal/MCF		GPA 2261	08/07/18 08:58 / djb
GPM Isobutane	< 0.0003	gal/MCF		GPA 2261	08/07/18 08:58 / djb
GPM n-Butane	0.0010	gal/MCF		GPA 2261	08/07/18 08:58 / djb
GPM Isopentane	0.0030	gal/MCF		GPA 2261	08/07/18 08:58 / djb
GPM n-Pentane	0.0020	gal/MCF		GPA 2261	08/07/18 08:58 / djb
GPM Hexanes plus	0.0100	gal/MCF		GPA 2261	08/07/18 08:58 / djb
GPM Pentanes plus	0.0150	gal/MCF		GPA 2261	08/07/18 08:58 / djb
GPM Total	0.0160	gal/MCF		GPA 2261	08/07/18 08:58 / djb
CALCULATED PROPERTIES					
Calculation Pressure Base	14.730	psia		GPA 2261	08/07/18 08:58 / djb
Calculation Temperature Base	60	°F		GPA 2261	08/07/18 08:58 / djb
Compressibility Factor, Z	1.0000	unitless		GPA 2261	08/07/18 08:58 / djb
Molecular Weight	29.09	unitless		GPA 2261	08/07/18 08:58 / djb
Pseudo-critical Pressure, psia	550	psia		GPA 2261	08/07/18 08:58 / djb
Pseudo-critical Temperature, deg R	243	deg R		GPA 2261	08/07/18 08:58 / djb
Specific Gravity (air=1.000)	1.007	unitless		GPA 2261	08/07/18 08:58 / djb
Gross BTU per cu ft @ std cond, dry	1.83	BTU/cu ft		GPA 2261	08/07/18 08:58 / djb
Gross BTU per cu ft @ std cond, wet	1.79	BTU/cu ft		GPA 2261	08/07/18 08:58 / djb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Gillette, WY Branch

Client: Hall Environmental
Project: Not Indicated
Client Sample ID: 1807F76-011A; Trunkline Circuit 3
Location:
Lab ID: G18080036-002

Report Date: 08/07/18
Collection Date: 07/26/18 20:04
Date Received: 08/01/18
Sampled By: Not Provided

Analyses	Result	Units	Qualifier	Method	Analysis Date / By
NATURAL GAS CHROMATOGRAPHIC ANALYSIS REPORT					
Oxygen	20.282	Mol %		GPA 2261	08/07/18 09:20 / djb
Nitrogen	77.971	Mol %		GPA 2261	08/07/18 09:20 / djb
Carbon Dioxide	1.747	Mol %		GPA 2261	08/07/18 09:20 / djb
Hydrogen Sulfide	< 0.001	Mol %		GPA 2261	08/07/18 09:20 / djb
Methane	< 0.001	Mol %		GPA 2261	08/07/18 09:20 / djb
Ethane	< 0.001	Mol %		GPA 2261	08/07/18 09:20 / djb
Propane	< 0.001	Mol %		GPA 2261	08/07/18 09:20 / djb
Isobutane	< 0.001	Mol %		GPA 2261	08/07/18 09:20 / djb
n-Butane	< 0.001	Mol %		GPA 2261	08/07/18 09:20 / djb
Isopentane	< 0.001	Mol %		GPA 2261	08/07/18 09:20 / djb
n-Pentane	< 0.001	Mol %		GPA 2261	08/07/18 09:20 / djb
Hexanes plus	< 0.001	Mol %		GPA 2261	08/07/18 09:20 / djb
GPM @ STD COND/1000 CU.FT., MOISTURE FREE GAS					
GPM Ethane	< 0.0003	gal/MCF		GPA 2261	08/07/18 09:20 / djb
GPM Propane	< 0.0003	gal/MCF		GPA 2261	08/07/18 09:20 / djb
GPM Isobutane	< 0.0003	gal/MCF		GPA 2261	08/07/18 09:20 / djb
GPM n-Butane	< 0.0003	gal/MCF		GPA 2261	08/07/18 09:20 / djb
GPM Isopentane	< 0.0004	gal/MCF		GPA 2261	08/07/18 09:20 / djb
GPM n-Pentane	< 0.0004	gal/MCF		GPA 2261	08/07/18 09:20 / djb
GPM Hexanes plus	< 0.0004	gal/MCF		GPA 2261	08/07/18 09:20 / djb
GPM Pentanes plus	< 0.0004	gal/MCF		GPA 2261	08/07/18 09:20 / djb
GPM Total	< 0.0004	gal/MCF		GPA 2261	08/07/18 09:20 / djb
CALCULATED PROPERTIES					
Calculation Pressure Base	14.730	psia		GPA 2261	08/07/18 09:20 / djb
Calculation Temperature Base	60	°F		GPA 2261	08/07/18 09:20 / djb
Compressibility Factor, Z	1.0000	unitless		GPA 2261	08/07/18 09:20 / djb
Molecular Weight	29.10	unitless		GPA 2261	08/07/18 09:20 / djb
Pseudo-critical Pressure, psia	552	psia		GPA 2261	08/07/18 09:20 / djb
Pseudo-critical Temperature, deg R	244	deg R		GPA 2261	08/07/18 09:20 / djb
Specific Gravity (air=1.000)	1.008	unitless		GPA 2261	08/07/18 09:20 / djb
Gross BTU per cu ft @ std cond, dry	< 0.01	BTU/cu ft		GPA 2261	08/07/18 09:20 / djb
Gross BTU per cu ft @ std cond, wet	< 0.01	BTU/cu ft		GPA 2261	08/07/18 09:20 / djb

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Gillette, WY Branch

Client:	Hall Environmental		
Project:	Not Indicated	**Report Date:**	08/07/18
Client Sample ID:	1807F76-019A: Circuit 1 Trunkline	**Collection Date:**	07/27/18 10:18
Location:		**Date Received:**	08/01/18
Lab ID:	G18080036-003	**Sampled By:**	Not Provided

Analyses	Result	Units	Qualifier	Method	Analysis Date / By
NATURAL GAS CHROMATOGRAPHIC ANALYSIS REPORT					
Oxygen	20.903	Mol %		GPA 2261	08/07/18 09:31 / djb
Nitrogen	77.599	Mol %		GPA 2261	08/07/18 09:31 / djb
Carbon Dioxide	1.487	Mol %		GPA 2261	08/07/18 09:31 / djb
Hydrogen Sulfide	< 0.001	Mol %		GPA 2261	08/07/18 09:31 / djb
Methane	< 0.001	Mol %		GPA 2261	08/07/18 09:31 / djb
Ethane	< 0.001	Mol %		GPA 2261	08/07/18 09:31 / djb
Propane	< 0.001	Mol %		GPA 2261	08/07/18 09:31 / djb
Isobutane	< 0.001	Mol %		GPA 2261	08/07/18 09:31 / djb
n-Butane	0.001	Mol %		GPA 2261	08/07/18 09:31 / djb
Isopentane	0.002	Mol %		GPA 2261	08/07/18 09:31 / djb
n-Pentane	0.002	Mol %		GPA 2261	08/07/18 09:31 / djb
Hexanes plus	0.006	Mol %		GPA 2261	08/07/18 09:31 / djb
GPM @ STD COND/1000 CU.FT., MOISTURE FREE GAS					
GPM Ethane	< 0.0003	gal/MCF		GPA 2261	08/07/18 09:31 / djb
GPM Propane	< 0.0003	gal/MCF		GPA 2261	08/07/18 09:31 / djb
GPM Isobutane	< 0.0003	gal/MCF		GPA 2261	08/07/18 09:31 / djb
GPM n-Butane	< 0.0003	gal/MCF		GPA 2261	08/07/18 09:31 / djb
GPM Isopentane	0.0010	gal/MCF		GPA 2261	08/07/18 09:31 / djb
GPM n-Pentane	0.0010	gal/MCF		GPA 2261	08/07/18 09:31 / djb
GPM Hexanes plus	0.0030	gal/MCF		GPA 2261	08/07/18 09:31 / djb
GPM Pentanes plus	0.0040	gal/MCF		GPA 2261	08/07/18 09:31 / djb
GPM Total	0.0050	gal/MCF		GPA 2261	08/07/18 09:31 / djb
CALCULATED PROPERTIES					
Calculation Pressure Base	14.730	psia		GPA 2261	08/07/18 09:31 / djb
Calculation Temperature Base	60	°F		GPA 2261	08/07/18 09:31 / djb
Compressibility Factor Z	1.0000	unitless		GPA 2261	08/07/18 09:31 / djb
Molecular Weight	29.09	unitless		GPA 2261	08/07/18 09:31 / djb
Pseudo-critical Pressure, psia	552	psia		GPA 2261	08/07/18 09:31 / djb
Pseudo-critical Temperature, deg R	243	deg R		GPA 2261	08/07/18 09:31 / djb
Specific Gravity (air=1.000)	1.007	unitless		GPA 2261	08/07/18 09:31 / djb
Gross BTU per cu ft @ std cond, dry	0.53	BTU/cu ft		GPA 2261	08/07/18 09:31 / djb
Gross BTU per cu ft @ std cond, wet	0.52	BTU/cu ft		GPA 2261	08/07/18 09:31 / djb

Report Definitions: RL - Analyte reporting limit. QCL - Quality control limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Gillette, WY Branch

Client: Hall Environmental
Project: Not Indicated

Report Date: 08/07/18
Work Order: G18080036

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: GPA 2261									Analytical Run: R245082
Lab ID: ICV-1808070813	Initial Calibration Verification Standard								08/07/18 08:13
Oxygen	0.397	Mol %	0.001	83	75	110			
Nitrogen	5.028	Mol %	0.001	100	90	110			
Carbon Dioxide	4.919	Mol %	0.001	99	90	110			
Hydrogen Sulfide	0.132	Mol %	0.001	131	100	136			
Methane	73.028	Mol %	0.001	100	90	110			
Ethane	5.015	Mol %	0.001	101	90	110			
Propane	5.134	Mol %	0.001	101	90	110			
Isobutane	2.031	Mol %	0.001	101	90	110			
n-Butane	2.008	Mol %	0.001	99	90	110			
Isopentane	1.002	Mol %	0.001	100	90	110			
n-Pentane	0.997	Mol %	0.001	100	90	110			
Hexanes plus	0.309	Mol %	0.001	102	90	110			
Lab ID: CCV-1808070622	Continuing Calibration Verification Standard								08/07/18 08:23
Oxygen	0.595	Mol %	0.001	99	90	110			
Nitrogen	1.314	Mol %	0.001	94	85	110			
Carbon Dioxide	0.971	Mol %	0.001	97	90	110			
Hydrogen Sulfide	0.028	Mol %	0.001	112	70	130			
Methane	93.499	Mol %	0.001	100	90	110			
Ethane	1.025	Mol %	0.001	102	90	110			
Propane	1.010	Mol %	0.001	101	90	110			
Isobutane	0.507	Mol %	0.001	101	90	110			
n-Butane	0.494	Mol %	0.001	99	90	110			
Isopentane	0.202	Mol %	0.001	101	90	110			
n-Pentane	0.199	Mol %	0.001	99	90	110			
Hexanes plus	0.156	Mol %	0.001	103	90	110			
Lab ID: CCV-1808070946	Continuing Calibration Verification Standard								08/07/18 09:46
Oxygen	0.594	Mol %	0.001	99	90	110			
Nitrogen	1.310	Mol %	0.001	93	85	110			
Carbon Dioxide	0.970	Mol %	0.001	97	90	110			
Hydrogen Sulfide	0.028	Mol %	0.001	112	70	130			
Methane	93.517	Mol %	0.001	100	90	110			
Ethane	1.022	Mol %	0.001	102	90	110			
Propane	1.008	Mol %	0.001	101	90	110			
Isobutane	0.504	Mol %	0.001	101	90	110			
n-Butane	0.492	Mol %	0.001	98	90	110			
Isopentane	0.201	Mol %	0.001	100	90	110			
n-Pentane	0.198	Mol %	0.001	99	90	110			
Hexanes plus	0.156	Mol %	0.001	103	90	110			
Method: GPA 2261									Batch: R245082

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Gillette, WY Branch

Client: Hall Environmental
Project: Not Indicated

Report Date: 08/07/18
Work Order: G18080036

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: GPA 2261								Batch: R245082	
Lab ID: G18080036-001ADUP	Sample Duplicate				Run: Varian GC_180807A			08/07/18 09:03	
Oxygen	18.511	Mol %	0.001				0.0	10	
Nitrogen	78.733	Mol %	0.001				0.0	10	
Carbon Dioxide	1.721	Mol %	0.001				0.2	10	
Hydrogen Sulfide	< 0.001	Mol %	0.001					10	
Methane	< 0.001	Mol %	0.001					10	
Ethane	< 0.001	Mol %	0.001					10	
Propane	< 0.001	Mol %	0.001					10	
Isobutane	< 0.001	Mol %	0.001					10	
n-Butane	0.003	Mol %	0.001				0.0	10	
Isopentane	0.007	Mol %	0.001				0.0	10	
n-Pentane	0.005	Mol %	0.001				0.0	10	
Hexanes plus	0.020	Mol %	0.001				18	10	R
Lab ID: G18080036-002ADUP	Sample Duplicate				Run: Varian GC_180807A			08/07/18 09:25	
Oxygen	20.281	Mol %	0.001				0.0	10	
Nitrogen	77.972	Mol %	0.001				0.0	10	
Carbon Dioxide	1.747	Mol %	0.001				0.0	10	
Hydrogen Sulfide	< 0.001	Mol %	0.001					10	
Methane	< 0.001	Mol %	0.001					10	
Ethane	< 0.001	Mol %	0.001					10	
Propane	< 0.001	Mol %	0.001					10	
Isobutane	< 0.001	Mol %	0.001					10	
n-Butane	< 0.001	Mol %	0.001					10	
Isopentane	< 0.001	Mol %	0.001					10	
n-Pentane	< 0.001	Mol %	0.001					10	
Hexanes plus	< 0.001	Mol %	0.001					10	
Lab ID: G18080036-003ADUP	Sample Duplicate				Run: Varian GC_180807A			08/07/18 09:36	
Oxygen	20.903	Mol %	0.001				0.0	10	
Nitrogen	77.597	Mol %	0.001				0.0	10	
Carbon Dioxide	1.488	Mol %	0.001				0.1	10	
Hydrogen Sulfide	< 0.001	Mol %	0.001					10	
Methane	< 0.001	Mol %	0.001					10	
Ethane	< 0.001	Mol %	0.001					10	
Propane	< 0.001	Mol %	0.001					10	
Isobutane	< 0.001	Mol %	0.001					10	
n-Butane	0.001	Mol %	0.001				0.0	10	
Isopentane	0.003	Mol %	0.001				40	10	R
n-Pentane	0.002	Mol %	0.001				0.0	10	
Hexanes plus	0.006	Mol %	0.001				0.0	10	

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
R - RPD exceeds advisory limit.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1807F76**

09-Aug-18

Client: MYC Environmental And Construction LLC

Project: TTS & SG

Sample ID	**1807F76-006ADUP**	SampType:	**DUP**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**Trunkline Circuit 2**	Batch ID:	**G53106**		RunNo:	**53106**				
Prep Date:		Analysis Date:	**7/31/2018**		SeqNo:	**1747057**	Units:	**µg/L**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	6600	50						6.59	20	
Surr: BFB	58000		20000		290	80.2	145	0	0	S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1807F76**

09-Aug-18

Client: MYC Environmental And Construction LLC

Project: TTS & SG

Sample ID **1807F76-001adup**	SampType: **DUP**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **SVE-6**	Batch ID: **SL53175**	RunNo: **53175**
Prep Date:	Analysis Date: **8/2/2018**	SeqNo: **1749799** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	2.7	2.0						10.8	20	
Toluene	130	2.0						11.7	20	
Ethylbenzene	12	2.0						11.9	20	
Xylenes, Total	130	3.0						10.8	20	
Surr: 1,2-Dichloroethane-d4	21		20.00		106	70	130	0	0	
Surr: 4-Bromofluorobenzene	21		20.00		103	70	130	0	0	
Surr: Dibromofluoromethane	22		20.00		111	70	130	0	0	
Surr: Toluene-d8	19		20.00		95.6	70	130	0	0	

Sample ID **1807f76-013adup**	SampType: **DUP**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **SVE-12**	Batch ID: **SL53256**	RunNo: **53256**
Prep Date:	Analysis Date: **8/6/2018**	SeqNo: **1752838** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	31	2.0						2.26	20	
Toluene	86	2.0						6.06	20	
Ethylbenzene	6.3	2.0						13.2	20	
Xylenes, Total	180	3.0						11.9	20	
Surr: 1,2-Dichloroethane-d4	21		20.00		105	70	130	0	0	
Surr: 4-Bromofluorobenzene	21		20.00		105	70	130	0	0	
Surr: Dibromofluoromethane	21		20.00		103	70	130	0	0	
Surr: Toluene-d8	19		20.00		94.2	70	130	0	0	

Sample ID **1807f76-016adup**	SampType: **DUP**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **SVE-15**	Batch ID: **SL53277**	RunNo: **53277**
Prep Date:	Analysis Date: **8/7/2018**	SeqNo: **1753628** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	4.4	0.50						1.26	20	
Toluene	9.8	0.50						0.674	20	
Ethylbenzene	1.8	0.50						1.77	20	
Xylenes, Total	25	0.75						2.35	20	
Surr: 1,2-Dichloroethane-d4	4.9		5.000		98.4	70	130	0	0	
Surr: 4-Bromofluorobenzene	5.2		5.000		104	70	130	0	0	
Surr: Dibromofluoromethane	5.0		5.000		100	70	130	0	0	
Surr: Toluene-d8	4.8		5.000		95.7	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: MYC ENVIRONMENTAL Work Order Number: 1807F76 RcptNo: 1

Received By: Andy Freeman 7/27/2018 4:34:00 PM

Completed By: Anne Thorne 7/31/2018 9:08:07 AM

Reviewed By: JO 7/31/18

Labeled by: ENM 7/31/18

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Client		

Log In

3. Was an attempt made to cool the samples?	Yes ☐	No ☐	NA ☑
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☐	No ☐	NA ☑
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

ENM 7/31/18

Checked by: _____

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

16. Additional remarks:

17. **Cooler Information**

Chain-of-Custody Record

Client: MYC Environmental & Construction, LLC

Mailing Address: 3400 Nisrra Ave NW ALB NM 87105

Phone #: 505 818 0806

email or Fax#: kris@mycenviro.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____
☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name: TTS & SG

Project #:

Project Manager: Jeff Cotter

Sampler: Kris Shanma

On Ice: ☐ Yes ☒ No

Sample Temperature:

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1807F76	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	8260B Shortlist	8260B	8015D	Fix Cases CPA2261	Air Bubbles (Y or N)
07/25/18	19:18	Air	SVE 6	1 Tedlar		001												X				
07/25/18	19:31		SVE 7			002												X				
07/25/18	19:42		SVE 8			003												X				
07/25/18	19:48		SVE-9			004												X				
07/25/18	19:59		SVE-10			005												X				
07/25/18	20:08		Trunkline Circuit 2			006														X		
07/25/18	20:05		Trunkline Circuit 2			007															X	
07/25/18	20:14		Stack Circuit 2			008													X			
07/26/18	20:18		Stack Circuit 3			009													X			
07/26/18	20:04		Trunkline Circuit 3			010														X		
07/26/18	20:04		Trunkline Circuit 3			011															X	
07/26/18	20:20	✓	SVE-11	✓		012												X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
7/27/18	16:34	Kris Shanma		7/27/18	1634
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: MYC Environmental & Construction LLC

Mailing Address: 5400 Vierra Ave SW ALB NM 87105

Phone #: 505 818 0806

email or Fax#: kris@mycenviro.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name: TTS & SG

Project #:

Project Manager: Jeff Cotter

Sampler: Kris Sharma

On Ice: ☐ Yes ☒ No

Sample Temperature:

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 18G7F76	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	8260B Short Hist	8260B	8015D #	Fixed Gases GPA226	Air Bubbles (Y or N)
07/26/18	20:24	Air	SVE-12	Tedlar		-013												X				
07/26/18	20:30		SVE-13			-014												X				
07/26/18	20:34		SVE-14			-015												X				
07/26/18	20:41		SVE-15			-016												X				
07/27/18	10:25		Circuit 1 Stack			-017													X			
07/27/18	10:18		Circuit 1 trunkline			-018														X		
07/27/18	10:18		Circuit 1 trunkline			-019															X	
07/27/18	10:33		SVE 1			-020												X				
07/27/18	10:41		SVE 2			-021												X				
07/27/18	10:48		SVE 3			-022												X				
07/27/18	10:56		SVE 4			-023												X				
07/27/18	11:03		SVE 5			-024												X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
7/27/18	16:34	Kris Sharma	[signature]	7/27/18	1634
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

September 14, 2018

Jeff Cotter

MYC Environmental And Construction LLC
5400 Vierra Ave SW
Albuquerque, NM 87105
TEL: (505) 818-0806
FAX

RE: TTS and SG Deming OrderNo.: 1809179

Dear Jeff Cotter:

Hall Environmental Analysis Laboratory received 21 sample(s) on 9/4/2018 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-11
Project: TTS and SG Deming
Collection Date: 8/31/2018 7:43:00 PM
Lab ID: 1809179-001 **Matrix:** AIR
Received Date: 9/4/2018 3:54:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.10		µg/L	1	9/12/2018 11:11:40 AM	R54120
Toluene	0.28	0.10		µg/L	1	9/12/2018 11:11:40 AM	R54120
Ethylbenzene	0.11	0.10		µg/L	1	9/12/2018 11:11:40 AM	R54120
Xylenes, Total	1.4	0.15		µg/L	1	9/12/2018 11:11:40 AM	R54120
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	1	9/12/2018 11:11:40 AM	R54120
Surr: Toluene-d8	112	70-130		%Rec	1	9/12/2018 11:11:40 AM	R54120

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-12
Project: TTS and SG Deming
Collection Date: 8/31/2018 7:47:00 PM
Lab ID: 1809179-002 **Matrix:** AIR
Received Date: 9/4/2018 3:54:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	2.5	2.0		µg/L	20	9/12/2018 11:57:42 AM	R54120
Toluene	6.5	2.0		µg/L	20	9/12/2018 11:57:42 AM	R54120
Ethylbenzene	1.0	1.0		µg/L	20	9/12/2018 11:57:42 AM	R54120
Xylenes, Total	15	3.0		µg/L	20	9/12/2018 11:57:42 AM	R54120
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	20	9/12/2018 11:57:42 AM	R54120
Surr: Toluene-d8	102	70-130		%Rec	20	9/12/2018 11:57:42 AM	R54120

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-13
Project: TTS and SG Deming
Collection Date: 8/31/2018 7:52:00 PM
Lab ID: 1809179-003 **Matrix:** AIR
Received Date: 9/4/2018 3:54:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**	
Benzene	0.93	0.50		µg/L	5	9/13/2018 3:05:59 PM	B54137
Toluene	4.1	0.50		µg/L	5	9/13/2018 3:05:59 PM	B54137
Ethylbenzene	0.43	0.25		µg/L	5	9/13/2018 3:05:59 PM	B54137
Xylenes, Total	13	0.75		µg/L	5	9/13/2018 3:05:59 PM	B54137
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	5	9/13/2018 3:05:59 PM	B54137
Surr: Toluene-d8	113	70-130		%Rec	5	9/13/2018 3:05:59 PM	B54137

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-14
Project: TTS and SG Deming
Collection Date: 8/31/2018 7:59:00 PM
Lab ID: 1809179-004 **Matrix:** AIR
Received Date: 9/4/2018 3:54:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	4.4	1.0		µg/L	10	9/12/2018 12:43:51 PM	R54120
Toluene	22	1.0		µg/L	10	9/12/2018 12:43:51 PM	R54120
Ethylbenzene	4.7	1.0		µg/L	10	9/12/2018 12:43:51 PM	R54120
Xylenes, Total	23	1.5		µg/L	10	9/12/2018 12:43:51 PM	R54120
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	10	9/12/2018 12:43:51 PM	R54120
Surr: Toluene-d8	102	70-130		%Rec	10	9/12/2018 12:43:51 PM	R54120

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-15
Project: TTS and SG Deming
Collection Date: 8/31/2018 8:04:00 PM
Lab ID: 1809179-005 **Matrix:** AIR
Received Date: 9/4/2018 3:54:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	9.7	0.50		µg/L	5	9/12/2018 1:06:54 PM	R54120
Toluene	21	0.50		µg/L	5	9/12/2018 1:06:54 PM	R54120
Ethylbenzene	3.1	0.50		µg/L	5	9/12/2018 1:06:54 PM	R54120
Xylenes, Total	39	0.75		µg/L	5	9/12/2018 1:06:54 PM	R54120
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	5	9/12/2018 1:06:54 PM	R54120
Surr: Toluene-d8	107	70-130		%Rec	5	9/12/2018 1:06:54 PM	R54120

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Circuit 3 Trunkline
Project: TTS and SG Deming
Collection Date: 8/31/2018 8:15:00 PM
Lab ID: 1809179-006 **Matrix:** AIR
Received Date: 9/4/2018 3:54:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	4200	50		µg/L	10	9/11/2018 9:59:14 AM	GW5406
Surr: BFB	162	80.2-145	S	%Rec	10	9/11/2018 9:59:14 AM	GW5406

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Circuit 3 Stack
Project: TTS and SG Deming
Collection Date: 8/31/2018 8:10:00 PM
Lab ID: 1809179-007 **Matrix:** AIR
Received Date: 9/4/2018 3:54:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	4.2	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
Toluene	12	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
Ethylbenzene	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
1,2,4-Trimethylbenzene	4.3	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
1,3,5-Trimethylbenzene	2.7	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
1,2-Dichloroethane (EDC)	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
1,2-Dibromoethane (EDB)	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
Naphthalene	ND	5.0		µg/L	25	9/11/2018 1:26:46 PM	W54084
1-Methylnaphthalene	ND	10		µg/L	25	9/11/2018 1:26:46 PM	W54084
2-Methylnaphthalene	ND	10		µg/L	25	9/11/2018 1:26:46 PM	W54084
Acetone	ND	25		µg/L	25	9/11/2018 1:26:46 PM	W54084
Bromobenzene	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
Bromodichloromethane	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
Bromoform	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
Bromomethane	ND	5.0		µg/L	25	9/11/2018 1:26:46 PM	W54084
2-Butanone	ND	25		µg/L	25	9/11/2018 1:26:46 PM	W54084
Carbon disulfide	ND	25		µg/L	25	9/11/2018 1:26:46 PM	W54084
Carbon tetrachloride	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
Chlorobenzene	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
Chloroethane	ND	5.0		µg/L	25	9/11/2018 1:26:46 PM	W54084
Chloroform	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
Chloromethane	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
2-Chlorotoluene	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
4-Chlorotoluene	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
cis-1,2-DCE	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
cis-1,3-Dichloropropene	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	25	9/11/2018 1:26:46 PM	W54084
Dibromochloromethane	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
Dibromomethane	ND	5.0		µg/L	25	9/11/2018 1:26:46 PM	W54084
1,2-Dichlorobenzene	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
1,3-Dichlorobenzene	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
1,4-Dichlorobenzene	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
Dichlorodifluoromethane	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
1,1-Dichloroethane	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
1,1-Dichloroethene	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
1,2-Dichloropropane	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
1,3-Dichloropropane	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
2,2-Dichloropropane	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Circuit 3 Stack
Project: TTS and SG Deming
Collection Date: 8/31/2018 8:10:00 PM
Lab ID: 1809179-007 **Matrix:** AIR
Received Date: 9/4/2018 3:54:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
Hexachlorobutadiene	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
2-Hexanone	ND	25		µg/L	25	9/11/2018 1:26:46 PM	W54084
Isopropylbenzene	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
4-Isopropyltoluene	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
4-Methyl-2-pentanone	ND	25		µg/L	25	9/11/2018 1:26:46 PM	W54084
Methylene chloride	ND	7.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
n-Butylbenzene	ND	7.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
n-Propylbenzene	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
sec-Butylbenzene	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
Styrene	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
tert-Butylbenzene	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
1,1,1,2-Tetrachloroethane	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
1,1,2,2-Tetrachloroethane	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
Tetrachloroethene (PCE)	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
trans-1,2-DCE	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
trans-1,3-Dichloropropene	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
1,2,3-Trichlorobenzene	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
1,2,4-Trichlorobenzene	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
1,1,1-Trichloroethane	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
1,1,2-Trichloroethane	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
Trichloroethene (TCE)	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
Trichlorofluoromethane	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
1,2,3-Trichloropropane	ND	5.0		µg/L	25	9/11/2018 1:26:46 PM	W54084
Vinyl chloride	ND	2.5		µg/L	25	9/11/2018 1:26:46 PM	W54084
Xylenes, Total	28	3.8		µg/L	25	9/11/2018 1:26:46 PM	W54084
Surr: Dibromofluoromethane	89.8	70-130		%Rec	25	9/11/2018 1:26:46 PM	W54084
Surr: 1,2-Dichloroethane-d4	81.2	70-130		%Rec	25	9/11/2018 1:26:46 PM	W54084
Surr: Toluene-d8	106	70-130		%Rec	25	9/11/2018 1:26:46 PM	W54084
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	25	9/11/2018 1:26:46 PM	W54084

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-1
Project: TTS and SG Deming
Collection Date: 9/1/2018 9:31:00 AM
Lab ID: 1809179-008 **Matrix:** AIR
Received Date: 9/4/2018 3:54:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	1.3	1.0		µg/L	10	9/12/2018 1:30:03 PM	R54120
Toluene	35	1.0		µg/L	10	9/12/2018 1:30:03 PM	R54120
Ethylbenzene	53	1.0		µg/L	10	9/12/2018 1:30:03 PM	R54120
Xylenes, Total	190	1.5		µg/L	10	9/12/2018 1:30:03 PM	R54120
Surr: 4-Bromofluorobenzene	99.3	70-130		%Rec	10	9/12/2018 1:30:03 PM	R54120
Surr: Toluene-d8	106	70-130		%Rec	10	9/12/2018 1:30:03 PM	R54120

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-2
Project: TTS and SG Deming
Collection Date: 9/1/2018 9:37:00 AM
Lab ID: 1809179-009 **Matrix:** AIR
Received Date: 9/4/2018 3:54:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	7.7	1.0		µg/L	10	9/12/2018 1:53:06 PM	R54120
Toluene	22	1.0		µg/L	10	9/12/2018 1:53:06 PM	R54120
Ethylbenzene	19	1.0		µg/L	10	9/12/2018 1:53:06 PM	R54120
Xylenes, Total	75	1.5		µg/L	10	9/12/2018 1:53:06 PM	R54120
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	10	9/12/2018 1:53:06 PM	R54120
Surr: Toluene-d8	103	70-130		%Rec	10	9/12/2018 1:53:06 PM	R54120

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-3
Project: TTS and SG Deming
Collection Date: 9/1/2018 9:42:00 AM
Lab ID: 1809179-010 **Matrix:** AIR
Received Date: 9/4/2018 3:54:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	9.6	1.0		µg/L	10	9/12/2018 2:16:13 PM	R54120
Toluene	41	1.0		µg/L	10	9/12/2018 2:16:13 PM	R54120
Ethylbenzene	8.4	1.0		µg/L	10	9/12/2018 2:16:13 PM	R54120
Xylenes, Total	36	1.5		µg/L	10	9/12/2018 2:16:13 PM	R54120
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	10	9/12/2018 2:16:13 PM	R54120
Surr: Toluene-d8	102	70-130		%Rec	10	9/12/2018 2:16:13 PM	R54120

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-4
Project: TTS and SG Deming
Collection Date: 9/1/2018 9:49:00 AM
Lab ID: 1809179-011 **Matrix:** AIR
Received Date: 9/4/2018 3:54:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	3.7	1.0		µg/L	10	9/12/2018 2:39:21 PM	R54120
Toluene	18	1.0		µg/L	10	9/12/2018 2:39:21 PM	R54120
Ethylbenzene	4.9	1.0		µg/L	10	9/12/2018 2:39:21 PM	R54120
Xylenes, Total	63	1.5		µg/L	10	9/12/2018 2:39:21 PM	R54120
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	10	9/12/2018 2:39:21 PM	R54120
Surr: Toluene-d8	105	70-130		%Rec	10	9/12/2018 2:39:21 PM	R54120

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-5
Project: TTS and SG Deming
Collection Date: 9/1/2018 9:56:00 AM
Lab ID: 1809179-012 **Matrix:** AIR
Received Date: 9/4/2018 3:54:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	6.3	1.0		µg/L	10	9/12/2018 3:02:30 PM	R54120
Toluene	15	1.0		µg/L	10	9/12/2018 3:02:30 PM	R54120
Ethylbenzene	4.1	1.0		µg/L	10	9/12/2018 3:02:30 PM	R54120
Xylenes, Total	34	1.5		µg/L	10	9/12/2018 3:02:30 PM	R54120
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	10	9/12/2018 3:02:30 PM	R54120
Surr: Toluene-d8	104	70-130		%Rec	10	9/12/2018 3:02:30 PM	R54120

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Circuit 1 Trunkline
Project: TTS and SG Deming
Collection Date: 9/1/2018 9:18:00 AM
Lab ID: 1809179-013 **Matrix:** AIR
Received Date: 9/4/2018 3:54:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	2100	50		µg/L	10	9/11/2018 10:22:33 AM	GW5406
Surr: BFB	157	80.2-145	S	%Rec	10	9/11/2018 10:22:33 AM	GW5406

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Circuit 1 Stack
Project: TTS and SG Deming
Collection Date: 9/1/2018 9:22:00 AM
Lab ID: 1809179-014 **Matrix:** AIR
Received Date: 9/4/2018 3:54:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	1.5	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
Toluene	16	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
Ethylbenzene	17	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
1,2,4-Trimethylbenzene	8.3	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
1,3,5-Trimethylbenzene	5.1	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
Naphthalene	ND	2.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
1-Methylnaphthalene	ND	4.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
2-Methylnaphthalene	ND	4.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
Acetone	ND	10		µg/L	10	9/11/2018 3:25:27 PM	W54084
Bromobenzene	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
Bromodichloromethane	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
Bromoform	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
Bromomethane	ND	2.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
2-Butanone	ND	10		µg/L	10	9/11/2018 3:25:27 PM	W54084
Carbon disulfide	ND	10		µg/L	10	9/11/2018 3:25:27 PM	W54084
Carbon tetrachloride	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
Chlorobenzene	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
Chloroethane	ND	2.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
Chloroform	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
Chloromethane	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
2-Chlorotoluene	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
4-Chlorotoluene	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
cis-1,2-DCE	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
cis-1,3-Dichloropropene	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
Dibromochloromethane	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
Dibromomethane	ND	2.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
1,2-Dichlorobenzene	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
1,3-Dichlorobenzene	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
1,4-Dichlorobenzene	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
Dichlorodifluoromethane	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
1,1-Dichloroethane	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
1,1-Dichloroethene	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
1,2-Dichloropropane	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
1,3-Dichloropropane	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
2,2-Dichloropropane	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Circuit 1 Stack
Project: TTS and SG Deming
Collection Date: 9/1/2018 9:22:00 AM
Lab ID: 1809179-014 **Matrix:** AIR
Received Date: 9/4/2018 3:54:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
Hexachlorobutadiene	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
2-Hexanone	ND	10		µg/L	10	9/11/2018 3:25:27 PM	W54084
Isopropylbenzene	1.7	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
4-Isopropyltoluene	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
4-Methyl-2-pentanone	ND	10		µg/L	10	9/11/2018 3:25:27 PM	W54084
Methylene chloride	ND	3.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
n-Butylbenzene	ND	3.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
n-Propylbenzene	3.9	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
sec-Butylbenzene	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
Styrene	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
tert-Butylbenzene	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
Tetrachloroethene (PCE)	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
trans-1,2-DCE	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
trans-1,3-Dichloropropene	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
1,2,3-Trichlorobenzene	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
1,2,4-Trichlorobenzene	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
1,1,1-Trichloroethane	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
1,1,2-Trichloroethane	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
Trichloroethene (TCE)	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
Trichlorofluoromethane	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
1,2,3-Trichloropropane	ND	2.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
Vinyl chloride	ND	1.0		µg/L	10	9/11/2018 3:25:27 PM	W54084
Xylenes, Total	67	1.5		µg/L	10	9/11/2018 3:25:27 PM	W54084
Surr: Dibromofluoromethane	91.0	70-130		%Rec	10	9/11/2018 3:25:27 PM	W54084
Surr: 1,2-Dichloroethane-d4	79.3	70-130		%Rec	10	9/11/2018 3:25:27 PM	W54084
Surr: Toluene-d8	105	70-130		%Rec	10	9/11/2018 3:25:27 PM	W54084
Surr: 4-Bromofluorobenzene	94.9	70-130		%Rec	10	9/11/2018 3:25:27 PM	W54084

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-6
Project: TTS and SG Deming
Collection Date: 9/2/2018 11:38:00 AM
Lab ID: 1809179-015 **Matrix:** AIR
Received Date: 9/4/2018 3:54:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**	
Benzene	1.1	0.50		µg/L	5	9/13/2018 3:29:14 PM	B54137
Toluene	16	0.50		µg/L	5	9/13/2018 3:29:14 PM	B54137
Ethylbenzene	3.3	0.50		µg/L	5	9/13/2018 3:29:14 PM	B54137
Xylenes, Total	33	0.75		µg/L	5	9/13/2018 3:29:14 PM	B54137
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	5	9/13/2018 3:29:14 PM	B54137
Surr: Toluene-d8	110	70-130		%Rec	5	9/13/2018 3:29:14 PM	B54137

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-7
Project: TTS and SG Deming
Collection Date: 9/2/2018 11:43:00 AM
Lab ID: 1809179-016 **Matrix:** AIR
Received Date: 9/4/2018 3:54:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**	
Benzene	0.33	0.25		µg/L	5	9/13/2018 3:52:22 PM	B54137
Toluene	16	0.50		µg/L	5	9/13/2018 3:52:22 PM	B54137
Ethylbenzene	3.0	0.50		µg/L	5	9/13/2018 3:52:22 PM	B54137
Xylenes, Total	35	0.75		µg/L	5	9/13/2018 3:52:22 PM	B54137
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	5	9/13/2018 3:52:22 PM	B54137
Surr: Toluene-d8	110	70-130		%Rec	5	9/13/2018 3:52:22 PM	B54137

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-8
Project: TTS and SG Deming
Collection Date: 9/2/2018 11:47:00 AM
Lab ID: 1809179-017 **Matrix:** AIR
Received Date: 9/4/2018 3:54:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	3.9	2.0		µg/L	20	9/12/2018 4:11:59 PM	R54120
Toluene	12	2.0		µg/L	20	9/12/2018 4:11:59 PM	R54120
Ethylbenzene	1.9	1.0		µg/L	20	9/12/2018 4:11:59 PM	R54120
Xylenes, Total	15	3.0		µg/L	20	9/12/2018 4:11:59 PM	R54120
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	20	9/12/2018 4:11:59 PM	R54120
Surr: Toluene-d8	103	70-130		%Rec	20	9/12/2018 4:11:59 PM	R54120

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-9
Project: TTS and SG Deming
Collection Date: 9/2/2018 11:54:00 AM
Lab ID: 1809179-018 **Matrix:** AIR
Received Date: 9/4/2018 3:54:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	3.1	2.0		µg/L	20	9/12/2018 4:35:11 PM	R54120
Toluene	9.4	2.0		µg/L	20	9/12/2018 4:35:11 PM	R54120
Ethylbenzene	1.4	1.0		µg/L	20	9/12/2018 4:35:11 PM	R54120
Xylenes, Total	12	3.0		µg/L	20	9/12/2018 4:35:11 PM	R54120
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	20	9/12/2018 4:35:11 PM	R54120
Surr: Toluene-d8	109	70-130		%Rec	20	9/12/2018 4:35:11 PM	R54120

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-10
Project: TTS and SG Deming
Collection Date: 9/2/2018 12:03:00 PM
Lab ID: 1809179-019 **Matrix:** AIR
Received Date: 9/4/2018 3:54:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	1.1	0.50		µg/L	5	9/12/2018 4:58:19 PM	R54120
Toluene	6.8	0.50		µg/L	5	9/12/2018 4:58:19 PM	R54120
Ethylbenzene	2.2	0.50		µg/L	5	9/12/2018 4:58:19 PM	R54120
Xylenes, Total	17	0.75		µg/L	5	9/12/2018 4:58:19 PM	R54120
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	5	9/12/2018 4:58:19 PM	R54120
Surr: Toluene-d8	104	70-130		%Rec	5	9/12/2018 4:58:19 PM	R54120

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Circuit 2 Trunkline
Project: TTS and SG Deming
Collection Date: 9/2/2018 11:25:00 AM
Lab ID: 1809179-020 **Matrix:** AIR
Received Date: 9/4/2018 3:54:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	2900	50		µg/L	10	9/11/2018 10:45:55 AM	GW5406
Surr: BFB	142	80.2-145		%Rec	10	9/11/2018 10:45:55 AM	GW5406

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Circuit 2 Stack
Project: TTS and SG Deming
Collection Date: 9/2/2018 11:32:00 AM
Lab ID: 1809179-021 **Matrix:** AIR
Received Date: 9/4/2018 3:54:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Toluene	11	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Ethylbenzene	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Methyl tert-butyl ether (MTBE)	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
1,2,4-Trimethylbenzene	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
1,3,5-Trimethylbenzene	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
1,2-Dichloroethane (EDC)	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
1,2-Dibromoethane (EDB)	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Naphthalene	ND	5.0	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
1-Methylnaphthalene	ND	10	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
2-Methylnaphthalene	ND	10	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Acetone	ND	25	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Bromobenzene	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Bromodichloromethane	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Bromoform	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Bromomethane	ND	5.0	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
2-Butanone	ND	25	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Carbon disulfide	ND	25	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Carbon tetrachloride	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Chlorobenzene	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Chloroethane	ND	5.0	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Chloroform	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Chloromethane	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
2-Chlorotoluene	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
4-Chlorotoluene	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
cis-1,2-DCE	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
cis-1,3-Dichloropropene	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
1,2-Dibromo-3-chloropropane	ND	5.0	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Dibromochloromethane	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Dibromomethane	ND	5.0	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
1,2-Dichlorobenzene	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
1,3-Dichlorobenzene	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
1,4-Dichlorobenzene	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Dichlorodifluoromethane	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
1,1-Dichloroethane	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
1,1-Dichloroethene	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
1,2-Dichloropropane	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
1,3-Dichloropropane	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
2,2-Dichloropropane	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Circuit 2 Stack
Project: TTS and SG Deming
Collection Date: 9/2/2018 11:32:00 AM
Lab ID: 1809179-021 **Matrix:** AIR
Received Date: 9/4/2018 3:54:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Hexachlorobutadiene	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
2-Hexanone	ND	25	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Isopropylbenzene	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
4-Isopropyltoluene	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
4-Methyl-2-pentanone	ND	25	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Methylene chloride	21	7.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
n-Butylbenzene	ND	7.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
n-Propylbenzene	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
sec-Butylbenzene	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Styrene	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
tert-Butylbenzene	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
1,1,1,2-Tetrachloroethane	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
1,1,2,2-Tetrachloroethane	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Tetrachloroethene (PCE)	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
trans-1,2-DCE	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
trans-1,3-Dichloropropene	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
1,2,3-Trichlorobenzene	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
1,2,4-Trichlorobenzene	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
1,1,1-Trichloroethane	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
1,1,2-Trichloroethane	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Trichloroethene (TCE)	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Trichlorofluoromethane	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
1,2,3-Trichloropropane	ND	5.0	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Vinyl chloride	ND	2.5	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Xylenes, Total	28	3.8	D	µg/L	25	9/11/2018 2:25:57 PM	W54084
Surr: Dibromofluoromethane	92.2	70-130	D	%Rec	25	9/11/2018 2:25:57 PM	W54084
Surr: 1,2-Dichloroethane-d4	84.7	70-130	D	%Rec	25	9/11/2018 2:25:57 PM	W54084
Surr: Toluene-d8	99.7	70-130	D	%Rec	25	9/11/2018 2:25:57 PM	W54084
Surr: 4-Bromofluorobenzene	101	70-130	D	%Rec	25	9/11/2018 2:25:57 PM	W54084

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

LABORATORY ANALYTICAL REPORT

Prepared by Gillette, WY Branch

Client: Hall Environmental
Project: Not Indicated
Client Sample ID: 1809179-006B; Circuit 3 Trunkline
Location:
Lab ID: G18090128-001

Report Date: 09/11/18
Collection Date: 08/31/18 20:15
Date Received: 09/07/18
Sampled By: Not Provided

Analyses	Result	Units	Qualifier	Method	Analysis Date / By
NATURAL GAS CHROMATOGRAPHIC ANALYSIS REPORT					
Oxygen	16.543	Mol %		GPA 2261	09/10/18 12:52 / djb
Nitrogen	80.923	Mol %		GPA 2261	09/10/18 12:52 / djb
Carbon Dioxide	2.508	Mol %		GPA 2261	09/10/18 12:52 / djb
Hydrogen Sulfide	< 0.001	Mol %		GPA 2261	09/10/18 12:52 / djb
Methane	< 0.001	Mol %		GPA 2261	09/10/18 12:52 / djb
Ethane	< 0.001	Mol %		GPA 2261	09/10/18 12:52 / djb
Propane	< 0.001	Mol %		GPA 2261	09/10/18 12:52 / djb
Isobutane	< 0.001	Mol %		GPA 2261	09/10/18 12:52 / djb
n-Butane	0.002	Mol %		GPA 2261	09/10/18 12:52 / djb
Isopentane	0.005	Mol %		GPA 2261	09/10/18 12:52 / djb
n-Pentane	0.004	Mol %		GPA 2261	09/10/18 12:52 / djb
Hexanes plus	0.015	Mol %		GPA 2261	09/10/18 12:52 / djb
GPM @ STD COND/1000 CU.FT., MOISTURE FREE GAS					
GPM Ethane	< 0.0003	gal/MCF		GPA 2261	09/10/18 12:52 / djb
GPM Propane	< 0.0003	gal/MCF		GPA 2261	09/10/18 12:52 / djb
GPM Isobutane	< 0.0003	gal/MCF		GPA 2261	09/10/18 12:52 / djb
GPM n-Butane	0.0010	gal/MCF		GPA 2261	09/10/18 12:52 / djb
GPM Isopentane	0.0020	gal/MCF		GPA 2261	09/10/18 12:52 / djb
GPM n-Pentane	0.0020	gal/MCF		GPA 2261	09/10/18 12:52 / djb
GPM Hexanes plus	0.0070	gal/MCF		GPA 2261	09/10/18 12:52 / djb
GPM Pentanes plus	0.0100	gal/MCF		GPA 2261	09/10/18 12:52 / djb
GPM Total	0.0110	gal/MCF		GPA 2261	09/10/18 12:52 / djb
CALCULATED PROPERTIES					
Calculation Pressure Base	14.730	psia		GPA 2261	09/10/18 12:52 / djb
Calculation Temperature Base	60	°F		GPA 2261	09/10/18 12:52 / djb
Compressibility Factor, Z	1.0000	unitless		GPA 2261	09/10/18 12:52 / djb
Molecular Weight	29.09	unitless		GPA 2261	09/10/18 12:52 / djb
Pseudo-critical Pressure, psia	548	psia		GPA 2261	09/10/18 12:52 / djb
Pseudo-critical Temperature, deg R	244	deg R		GPA 2261	09/10/18 12:52 / djb
Specific Gravity (air=1.000)	1.007	unitless		GPA 2261	09/10/18 12:52 / djb
Gross BTU per cu ft @ std cond, dry	1.23	BTU/cu ft		GPA 2261	09/10/18 12:52 / djb
Gross BTU per cu ft @ std cond, wet	1.21	BTU/cu ft		GPA 2261	09/10/18 12:52 / djb

Report Definitions: RL - Analyte reporting limit. QCL - Quality control limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Gillette, WY Branch

Client: Hall Environmental
Project: Not Indicated
Client Sample ID: 1809179-013B; Circuit 1 Trunkline
Location:
Lab ID: G18090128-002

Report Date: 09/11/18
Collection Date: 09/01/18 09:18
Date Received: 09/07/18
Sampled By: Not Provided

Analyses	Result	Units	Qualifier	Method	Analysis Date / By
NATURAL GAS CHROMATOGRAPHIC ANALYSIS REPORT					
Oxygen	19.436	Mol %		GPA 2261	09/10/18 13:04 / djb
Nitrogen	78.795	Mol %		GPA 2261	09/10/18 13:04 / djb
Carbon Dioxide	1.763	Mol %		GPA 2261	09/10/18 13:04 / djb
Hydrogen Sulfide	< 0.001	Mol %		GPA 2261	09/10/18 13:04 / djb
Methane	< 0.001	Mol %		GPA 2261	09/10/18 13:04 / djb
Ethane	< 0.001	Mol %		GPA 2261	09/10/18 13:04 / djb
Propane	< 0.001	Mol %		GPA 2261	09/10/18 13:04 / djb
Isobutane	< 0.001	Mol %		GPA 2261	09/10/18 13:04 / djb
n-Butane	< 0.001	Mol %		GPA 2261	09/10/18 13:04 / djb
Isopentane	0.001	Mol %		GPA 2261	09/10/18 13:04 / djb
n-Pentane	0.002	Mol %		GPA 2261	09/10/18 13:04 / djb
Hexanes plus	0.003	Mol %		GPA 2261	09/10/18 13:04 / djb
GPM @ STD COND/1000 CU.FT., MOISTURE FREE GAS					
GPM Ethane	< 0.0003	gal/MCF		GPA 2261	09/10/18 13:04 / djb
GPM Propane	< 0.0003	gal/MCF		GPA 2261	09/10/18 13:04 / djb
GPM Isobutane	< 0.0003	gal/MCF		GPA 2261	09/10/18 13:04 / djb
GPM n-Butane	< 0.0003	gal/MCF		GPA 2261	09/10/18 13:04 / djb
GPM Isopentane	0.0010	gal/MCF		GPA 2261	09/10/18 13:04 / djb
GPM n-Pentane	0.0010	gal/MCF		GPA 2261	09/10/18 13:04 / djb
GPM Hexanes plus	0.0010	gal/MCF		GPA 2261	09/10/18 13:04 / djb
GPM Pentanes plus	0.0020	gal/MCF		GPA 2261	09/10/18 13:04 / djb
GPM Total	0.0020	gal/MCF		GPA 2261	09/10/18 13:04 / djb
CALCULATED PROPERTIES					
Calculation Pressure Base	14.730	psia		GPA 2261	09/10/18 13:04 / djb
Calculation Temperature Base	60	°F		GPA 2261	09/10/18 13:04 / djb
Compressibility Factor, Z	1.0000	unitless		GPA 2261	09/10/18 13:04 / djb
Molecular Weight	29.07	unitless		GPA 2261	09/10/18 13:04 / djb
Pseudo-critical Pressure, psia	550	psia		GPA 2261	09/10/18 13:04 / djb
Pseudo-critical Temperature, deg R	243	deg R		GPA 2261	09/10/18 13:04 / djb
Specific Gravity (air=1.000)	1.007	unitless		GPA 2261	09/10/18 13:04 / djb
Gross BTU per cu ft @ std cond, dry	0.26	BTU/cu ft		GPA 2261	09/10/18 13:04 / djb
Gross BTU per cu ft @ std cond, wet	0.25	BTU/cu ft		GPA 2261	09/10/18 13:04 / djb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Gillette, WY Branch

Client: Hall Environmental
Project: Not Indicated
Client Sample ID: 1809179-020B; Circuit 2 Trunkline
Location:
Lab ID: G18090128-003

Report Date: 09/11/18
Collection Date: 09/02/18 11:25
Date Received: 09/07/18
Sampled By: Not Provided

Analyses	Result	Units	Qualifier	Method	Analysis Date / By
NATURAL GAS CHROMATOGRAPHIC ANALYSIS REPORT					
Oxygen	20.684	Mol %		GPA 2261	09/10/18 13:17 / djb
Nitrogen	78.944	Mol %		GPA 2261	09/10/18 13:17 / djb
Carbon Dioxide	0.372	Mol %		GPA 2261	09/10/18 13:17 / djb
Hydrogen Sulfide	< 0.001	Mol %		GPA 2261	09/10/18 13:17 / djb
Methane	< 0.001	Mol %		GPA 2261	09/10/18 13:17 / djb
Ethane	< 0.001	Mol %		GPA 2261	09/10/18 13:17 / djb
Propane	< 0.001	Mol %		GPA 2261	09/10/18 13:17 / djb
Isobutane	< 0.001	Mol %		GPA 2261	09/10/18 13:17 / djb
n-Butane	< 0.001	Mol %		GPA 2261	09/10/18 13:17 / djb
Isopentane	< 0.001	Mol %		GPA 2261	09/10/18 13:17 / djb
n-Pentane	< 0.001	Mol %		GPA 2261	09/10/18 13:17 / djb
Hexanes plus	< 0.001	Mol %		GPA 2261	09/10/18 13:17 / djb
GPM @ STD COND/1000 CU.FT., MOISTURE FREE GAS					
GPM Ethane	< 0.0003	gal/MCF		GPA 2261	09/10/18 13:17 / djb
GPM Propane	< 0.0003	gal/MCF		GPA 2261	09/10/18 13:17 / djb
GPM Isobutane	< 0.0003	gal/MCF		GPA 2261	09/10/18 13:17 / djb
GPM n-Butane	< 0.0003	gal/MCF		GPA 2261	09/10/18 13:17 / djb
GPM Isopentane	< 0.0004	gal/MCF		GPA 2261	09/10/18 13:17 / djb
GPM n-Pentane	< 0.0004	gal/MCF		GPA 2261	09/10/18 13:17 / djb
GPM Hexanes plus	< 0.0004	gal/MCF		GPA 2261	09/10/18 13:17 / djb
GPM Pentanes plus	< 0.0004	gal/MCF		GPA 2261	09/10/18 13:17 / djb
GPM Total	< 0.0004	gal/MCF		GPA 2261	09/10/18 13:17 / djb
CALCULATED PROPERTIES					
Calculation Pressure Base	14.730	psia		GPA 2261	09/10/18 13:17 / djb
Calculation Temperature Base	60	°F		GPA 2261	09/10/18 13:17 / djb
Compressibility Factor, Z	1.0000	unitless		GPA 2261	09/10/18 13:17 / djb
Molecular Weight	28.90	unitless		GPA 2261	09/10/18 13:17 / djb
Pseudo-critical Pressure, psia	545	psia		GPA 2261	09/10/18 13:17 / djb
Pseudo-critical Temperature, deg R	239	deg R		GPA 2261	09/10/18 13:17 / djb
Specific Gravity (air=1.000)	1.001	unitless		GPA 2261	09/10/18 13:17 / djb
Gross BTU per cu ft @ std cond, dry	< 0.01	BTU/cu ft		GPA 2261	09/10/18 13:17 / djb
Gross BTU per cu ft @ std cond, wet	< 0.01	BTU/cu ft		GPA 2261	09/10/18 13:17 / djb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Gillette, WY Branch

Client: Hall Environmental
Project: Not Indicated

Report Date: 09/11/18
Work Order: G18090128

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: GPA 2261									Analytical Run: R245797
Lab ID: ICV-1809100823	Initial Calibration Verification Standard								09/10/18 08:23
Oxygen	0.388	Mol %	0.001	81	75	110			
Nitrogen	5.000	Mol %	0.001	99	90	110			
Carbon Dioxide	4.921	Mol %	0.001	99	90	110			
Hydrogen Sulfide	0.126	Mol %	0.001	125	100	136			
Methane	73.145	Mol %	0.001	100	90	110			
Ethane	5.008	Mol %	0.001	101	90	110			
Propane	5.128	Mol %	0.001	101	90	110			
Isobutane	2.008	Mol %	0.001	99	90	110			
n-Butane	1.986	Mol %	0.001	98	90	110			
Isopentane	0.993	Mol %	0.001	99	90	110			
n-Pentane	0.989	Mol %	0.001	99	90	110			
Hexanes plus	0.308	Mol %	0.001	102	90	110			
Lab ID: CCV-1809100835	Continuing Calibration Verification Standard								09/10/18 08:35
Oxygen	0.590	Mol %	0.001	98	90	110			
Nitrogen	1.307	Mol %	0.001	93	85	110			
Carbon Dioxide	0.965	Mol %	0.001	96	90	110			
Hydrogen Sulfide	0.022	Mol %	0.001	88	70	130			
Methane	93.539	Mol %	0.001	100	90	110			
Ethane	1.025	Mol %	0.001	102	90	110			
Propane	1.010	Mol %	0.001	101	90	110			
Isobutane	0.502	Mol %	0.001	100	90	110			
n-Butane	0.490	Mol %	0.001	98	90	110			
Isopentane	0.200	Mol %	0.001	100	90	110			
n-Pentane	0.197	Mol %	0.001	98	90	110			
Hexanes plus	0.153	Mol %	0.001	101	90	110			
Lab ID: CCV-1809101332	Continuing Calibration Verification Standard								09/10/18 13:33
Oxygen	0.592	Mol %	0.001	98	90	110			
Nitrogen	1.319	Mol %	0.001	94	85	110			
Carbon Dioxide	0.971	Mol %	0.001	97	90	110			
Hydrogen Sulfide	0.025	Mol %	0.001	100	70	130			
Methane	93.520	Mol %	0.001	100	90	110			
Ethane	1.022	Mol %	0.001	102	90	110			
Propane	1.006	Mol %	0.001	101	90	110			
Isobutane	0.502	Mol %	0.001	100	90	110			
n-Butane	0.490	Mol %	0.001	98	90	110			
Isopentane	0.200	Mol %	0.001	100	90	110			
n-Pentane	0.198	Mol %	0.001	99	90	110			
Hexanes plus	0.155	Mol %	0.001	102	90	110			
Method: GPA 2261									Batch: R245797

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Gillette, WY Branch

Client: Hall Environmental
Project: Not Indicated

Report Date: 09/11/18
Work Order: G18090128

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: GPA 2261									Batch: R245797
Lab ID: G18090128-001ADUP	Sample Duplicate				Run: Varian GC_180910A				09/10/18 12:57
Oxygen	16.542	Mol %	0.001				0.0	10	
Nitrogen	80.921	Mol %	0.001				0.0	10	
Carbon Dioxide	2.510	Mol %	0.001				0.1	10	
Hydrogen Sulfide	< 0.001	Mol %	0.001					10	
Methane	< 0.001	Mol %	0.001					10	
Ethane	< 0.001	Mol %	0.001					10	
Propane	< 0.001	Mol %	0.001					10	
Isobutane	< 0.001	Mol %	0.001					10	
n-Butane	0.002	Mol %	0.001				0.0	10	
Isopentane	0.005	Mol %	0.001				0.0	10	
n-Pentane	0.004	Mol %	0.001				0.0	10	
Hexanes plus	0.016	Mol %	0.001				6.5	10	
Lab ID: G18090128-002ADUP	Sample Duplicate				Run: Varian GC_180910A				09/10/18 13:09
Oxygen	19.442	Mol %	0.001				0.0	10	
Nitrogen	78.792	Mol %	0.001				0.0	10	
Carbon Dioxide	1.760	Mol %	0.001				0.2	10	
Hydrogen Sulfide	< 0.001	Mol %	0.001					10	
Methane	< 0.001	Mol %	0.001					10	
Ethane	< 0.001	Mol %	0.001					10	
Propane	< 0.001	Mol %	0.001					10	
Isobutane	< 0.001	Mol %	0.001					10	
n-Butane	< 0.001	Mol %	0.001					10	
Isopentane	0.001	Mol %	0.001				0.0	10	
n-Pentane	0.002	Mol %	0.001				0.0	10	
Hexanes plus	0.003	Mol %	0.001				0.0	10	
Lab ID: G18090128-003ADUP	Sample Duplicate				Run: Varian GC_180910A				09/10/18 13:21
Oxygen	20.685	Mol %	0.001				0.0	10	
Nitrogen	78.945	Mol %	0.001				0.0	10	
Carbon Dioxide	0.370	Mol %	0.001				0.5	10	
Hydrogen Sulfide	< 0.001	Mol %	0.001					10	
Methane	< 0.001	Mol %	0.001					10	
Ethane	< 0.001	Mol %	0.001					10	
Propane	< 0.001	Mol %	0.001					10	
Isobutane	< 0.001	Mol %	0.001					10	
n-Butane	< 0.001	Mol %	0.001					10	
Isopentane	< 0.001	Mol %	0.001					10	
n-Pentane	< 0.001	Mol %	0.001					10	
Hexanes plus	< 0.001	Mol %	0.001					10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1809179**

14-Sep-18

Client: MYC Environmental And Construction LLC

Project: TTS and SG Deming

Sample ID	**1809179-001adup**	SampType:	**DUP**		TestCode:	**EPA Method 8260B: Volatiles Short List**				
Client ID:	**SVE-11**	Batch ID:	**R54120**		RunNo:	**54120**				
Prep Date:		Analysis Date:	**9/12/2018**		SeqNo:	**1788865**	Units:	**µg/L**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.10						0	20	
Toluene	0.26	0.10						7.82	20	
Ethylbenzene	ND	0.10						200	20	
Xylenes, Total	1.3	0.15						4.00	20	
Surr: 4-Bromofluorobenzene	1.1		1.000		109	70	130	0	0	
Surr: Toluene-d8	1.1		1.000		105	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **MYC ENVIRONMENTAL** Work Order Number: **1809179** RcptNo: **1**

Received By: **Erin Melendrez** **9/5/2018 7:00:00 AM**

Completed By: **Ashley Gallegos** **9/5/2018 6:25:16 PM**

Reviewed By: my 09/06/18 Labeled by: ENM 9/6/18

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Client		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

ENM 9/6/18

Checked by: _____

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	NA	Good	Not Present			

Chain-of-Custody Record

Client: MYC Environmental & Construction, LLC

Mailing Address: 5400 Vissra Ave SE ALB NM 87105

Phone #: 505 8180806

email or Fax#: kris@mycenviro.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name: TTS & SG Deming

Project #:

Project Manager: Jeff Cotter

Sampler: Kris Sharma

On Ice: ☑ Yes ☐ No

Sample Temperature: N/A

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1809179	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	8015D GRO	Fixed Gases grab	8260 B	8260 B Short List	Air Bubbles (Y or N)
8/31/18	19:43	Air	SVE-11	Tedlar		-001															X	
8/31/18	19:47		SVE-12			-002															X	
8/31/18	19:52		SVE-13			-003															X	
8/31/18	19:59		SVE-14			-004															X	
8/31/18	20:04		SVE-15			-005															X	
8/31/18	20:15		Circuit 3 trunkline			-006													X			
8/31/18	20:15		Circuit 3 trunkline			-007												X		X		
8/31/18	20:10	Air	Circuit 3 Stack			-008												X		X		
9/1/18	9:39		SVE-1			-009															X	
9/1/18	9:37		SVE-2			-010											Fixed per Kris 9.10.18				X	
9/1/18	9:42		SVE-3			-011															X	
9/1/18	9:49		SVE-4			-012															X	

Date:	Time:	Relinquished by:	Received by:	Date	Time
9/4/18	1554	Kris Sharma		9/4/18	1554
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: MYC Environmental & Construction, LLC

Mailing Address: 5400 Vierra Ave SW Alb NM 87105

Phone #: 505 8180806

email or Fax#: kris@mycenviro.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name: TTS & SG Deming

Project #:

Project Manager: Jeff Cotter

Sampler: Kris Sharma

On Ice: ☐ Yes ☐ No

Sample Temperature: N/A

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1809179	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	8015D GRO, Fixed Gases SPA-2261	8260B	8260B Short list	Air Bubbles (Y or N)
9/1/18	9.56	Air	SVE-5	Tedlar		-0132														X	
9/1/18	9.18		Circuit 1 trunkline			-0143												X			
9/1/18	9.18		Circuit 1 trunkline			-0153											X				
9/1/18	9.22		Circuit 1 Stack			-0164													X		
9/2/18	11.38		SVE-6			-0175														X	
9/2/18	11.43		SVE-7			-0184														X	
9/2/18	11.47		SVE-8			-0191														X	
9/2/18	11.54		SVE-9			-02018														X	
9/2/18	12.03		SVE-10			-0219														X	
9/2/18	11.25		Circuit 2 trunkline			-0220											X				
9/2/18	11.25		Circuit 2 trunkline			-0230												X			
9/2/18	11.32	↓	Circuit 2 Stack.	↓		-0241													X		

Date:	Time:	Relinquished by:	Received by:	Date	Time
9/4/18	15:54	Kris Sharma		9/4/18	1534
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

October 16, 2018

Jeff Cotter

MYC Environmental And Construction LLC
5400 Vierra Ave SW
Albuquerque, NM 87105
TEL: (505) 818-0806
FAX

RE: TTS & SS Deming OrderNo.: 1810163

Dear Jeff Cotter:

Hall Environmental Analysis Laboratory received 24 sample(s) on 10/2/2018 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-2
Project: TTS & SS Deming
Collection Date: 9/28/2018 10:32:00 AM
Lab ID: 1810163-001 **Matrix:** AIR
Received Date: 10/2/2018 8:32:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	7.8	2.0		µg/L	20	10/10/2018 11:37:24 AM	SL54789
Toluene	16	2.0		µg/L	20	10/10/2018 11:37:24 AM	SL54789
Ethylbenzene	2.6	2.0		µg/L	20	10/10/2018 11:37:24 AM	SL54789
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	20	10/10/2018 11:37:24 AM	SL54789
1,2,4-Trimethylbenzene	3.5	2.0		µg/L	20	10/10/2018 11:37:24 AM	SL54789
1,3,5-Trimethylbenzene	ND	2.0		µg/L	20	10/10/2018 11:37:24 AM	SL54789
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	20	10/10/2018 11:37:24 AM	SL54789
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	20	10/10/2018 11:37:24 AM	SL54789
Naphthalene	ND	4.0		µg/L	20	10/10/2018 11:37:24 AM	SL54789
1-Methylnaphthalene	ND	8.0		µg/L	20	10/10/2018 11:37:24 AM	SL54789
2-Methylnaphthalene	ND	8.0		µg/L	20	10/10/2018 11:37:24 AM	SL54789
Xylenes, Total	16	3.0		µg/L	20	10/10/2018 11:37:24 AM	SL54789
Surr: 1,2-Dichloroethane-d4	87.0	70-130		%Rec	20	10/10/2018 11:37:24 AM	SL54789
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	20	10/10/2018 11:37:24 AM	SL54789
Surr: Dibromofluoromethane	98.4	70-130		%Rec	20	10/10/2018 11:37:24 AM	SL54789
Surr: Toluene-d8	109	70-130		%Rec	20	10/10/2018 11:37:24 AM	SL54789

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix
W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-3
Project: TTS & SS Deming
Collection Date: 9/28/2018 10:38:00 AM
Lab ID: 1810163-002 **Matrix:** AIR
Received Date: 10/2/2018 8:32:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	5.3	2.0		µg/L	20	10/10/2018 12:36:42 PM	SL54789
Toluene	34	2.0		µg/L	20	10/10/2018 12:36:42 PM	SL54789
Ethylbenzene	7.0	2.0		µg/L	20	10/10/2018 12:36:42 PM	SL54789
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	20	10/10/2018 12:36:42 PM	SL54789
1,2,4-Trimethylbenzene	5.9	2.0		µg/L	20	10/10/2018 12:36:42 PM	SL54789
1,3,5-Trimethylbenzene	2.8	2.0		µg/L	20	10/10/2018 12:36:42 PM	SL54789
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	20	10/10/2018 12:36:42 PM	SL54789
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	20	10/10/2018 12:36:42 PM	SL54789
Naphthalene	ND	4.0		µg/L	20	10/10/2018 12:36:42 PM	SL54789
1-Methylnaphthalene	ND	8.0		µg/L	20	10/10/2018 12:36:42 PM	SL54789
2-Methylnaphthalene	ND	8.0		µg/L	20	10/10/2018 12:36:42 PM	SL54789
Xylenes, Total	36	3.0		µg/L	20	10/10/2018 12:36:42 PM	SL54789
Surr: 1,2-Dichloroethane-d4	92.4	70-130		%Rec	20	10/10/2018 12:36:42 PM	SL54789
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	20	10/10/2018 12:36:42 PM	SL54789
Surr: Dibromofluoromethane	95.2	70-130		%Rec	20	10/10/2018 12:36:42 PM	SL54789
Surr: Toluene-d8	110	70-130		%Rec	20	10/10/2018 12:36:42 PM	SL54789

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-4
Project: TTS & SS Deming
Collection Date: 9/28/2018 10:44:00 AM
Lab ID: 1810163-003 **Matrix:** AIR
Received Date: 10/2/2018 8:32:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	5.8	1.0		µg/L	10	10/10/2018 1:05:52 PM	SL54789
Toluene	21	1.0		µg/L	10	10/10/2018 1:05:52 PM	SL54789
Ethylbenzene	2.0	1.0		µg/L	10	10/10/2018 1:05:52 PM	SL54789
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	10	10/10/2018 1:05:52 PM	SL54789
1,2,4-Trimethylbenzene	18	1.0		µg/L	10	10/10/2018 1:05:52 PM	SL54789
1,3,5-Trimethylbenzene	13	1.0		µg/L	10	10/10/2018 1:05:52 PM	SL54789
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	10	10/10/2018 1:05:52 PM	SL54789
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	10	10/10/2018 1:05:52 PM	SL54789
Naphthalene	ND	2.0		µg/L	10	10/10/2018 1:05:52 PM	SL54789
1-Methylnaphthalene	ND	4.0		µg/L	10	10/10/2018 1:05:52 PM	SL54789
2-Methylnaphthalene	ND	4.0		µg/L	10	10/10/2018 1:05:52 PM	SL54789
Xylenes, Total	140	1.5		µg/L	10	10/10/2018 1:05:52 PM	SL54789
Surr: 1,2-Dichloroethane-d4	96.5	70-130		%Rec	10	10/10/2018 1:05:52 PM	SL54789
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	10	10/10/2018 1:05:52 PM	SL54789
Surr: Dibromofluoromethane	100	70-130		%Rec	10	10/10/2018 1:05:52 PM	SL54789
Surr: Toluene-d8	109	70-130		%Rec	10	10/10/2018 1:05:52 PM	SL54789

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-5
Project: TTS & SS Deming
Collection Date: 9/28/2018 10:51:00 AM
Lab ID: 1810163-004 **Matrix:** AIR
Received Date: 10/2/2018 8:32:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	8.9	1.0		µg/L	10	10/10/2018 1:34:57 PM	SL54789
Toluene	25	1.0		µg/L	10	10/10/2018 1:34:57 PM	SL54789
Ethylbenzene	4.5	1.0		µg/L	10	10/10/2018 1:34:57 PM	SL54789
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	10	10/10/2018 1:34:57 PM	SL54789
1,2,4-Trimethylbenzene	6.1	1.0		µg/L	10	10/10/2018 1:34:57 PM	SL54789
1,3,5-Trimethylbenzene	3.7	1.0		µg/L	10	10/10/2018 1:34:57 PM	SL54789
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	10	10/10/2018 1:34:57 PM	SL54789
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	10	10/10/2018 1:34:57 PM	SL54789
Naphthalene	ND	2.0		µg/L	10	10/10/2018 1:34:57 PM	SL54789
1-Methylnaphthalene	ND	4.0		µg/L	10	10/10/2018 1:34:57 PM	SL54789
2-Methylnaphthalene	ND	4.0		µg/L	10	10/10/2018 1:34:57 PM	SL54789
Xylenes, Total	47	1.5		µg/L	10	10/10/2018 1:34:57 PM	SL54789
Surr: 1,2-Dichloroethane-d4	88.2	70-130		%Rec	10	10/10/2018 1:34:57 PM	SL54789
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	10	10/10/2018 1:34:57 PM	SL54789
Surr: Dibromofluoromethane	93.8	70-130		%Rec	10	10/10/2018 1:34:57 PM	SL54789
Surr: Toluene-d8	114	70-130		%Rec	10	10/10/2018 1:34:57 PM	SL54789

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-6
Project: TTS & SS Deming
Collection Date: 9/29/2018 10:01:00 AM
Lab ID: 1810163-005 **Matrix:** AIR
Received Date: 10/2/2018 8:32:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	1.5	0.50		µg/L	5	10/10/2018 2:03:58 PM	SL54789
Toluene	9.2	0.50		µg/L	5	10/10/2018 2:03:58 PM	SL54789
Ethylbenzene	1.5	0.50		µg/L	5	10/10/2018 2:03:58 PM	SL54789
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	5	10/10/2018 2:03:58 PM	SL54789
1,2,4-Trimethylbenzene	2.7	0.50		µg/L	5	10/10/2018 2:03:58 PM	SL54789
1,3,5-Trimethylbenzene	1.8	0.50		µg/L	5	10/10/2018 2:03:58 PM	SL54789
1,2-Dichloroethane (EDC)	ND	0.50		µg/L	5	10/10/2018 2:03:58 PM	SL54789
1,2-Dibromoethane (EDB)	ND	0.50		µg/L	5	10/10/2018 2:03:58 PM	SL54789
Naphthalene	ND	1.0		µg/L	5	10/10/2018 2:03:58 PM	SL54789
1-Methylnaphthalene	ND	2.0		µg/L	5	10/10/2018 2:03:58 PM	SL54789
2-Methylnaphthalene	ND	2.0		µg/L	5	10/10/2018 2:03:58 PM	SL54789
Xylenes, Total	21	0.75		µg/L	5	10/10/2018 2:03:58 PM	SL54789
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	5	10/10/2018 2:03:58 PM	SL54789
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	5	10/10/2018 2:03:58 PM	SL54789
Surr: Dibromofluoromethane	112	70-130		%Rec	5	10/10/2018 2:03:58 PM	SL54789
Surr: Toluene-d8	110	70-130		%Rec	5	10/10/2018 2:03:58 PM	SL54789

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-7
Project: TTS & SS Deming
Collection Date: 9/29/2018 10:06:00 AM
Lab ID: 1810163-006
Matrix: AIR
Received Date: 10/2/2018 8:32:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.20		µg/L	2	10/10/2018 2:33:15 PM	SL54789
Toluene	6.8	0.20		µg/L	2	10/10/2018 2:33:15 PM	SL54789
Ethylbenzene	1.1	0.20		µg/L	2	10/10/2018 2:33:15 PM	SL54789
Methyl tert-butyl ether (MTBE)	ND	0.20		µg/L	2	10/10/2018 2:33:15 PM	SL54789
1,2,4-Trimethylbenzene	2.0	0.20		µg/L	2	10/10/2018 2:33:15 PM	SL54789
1,3,5-Trimethylbenzene	1.1	0.20		µg/L	2	10/10/2018 2:33:15 PM	SL54789
1,2-Dichloroethane (EDC)	ND	0.20		µg/L	2	10/10/2018 2:33:15 PM	SL54789
1,2-Dibromoethane (EDB)	ND	0.20		µg/L	2	10/10/2018 2:33:15 PM	SL54789
Naphthalene	ND	0.40		µg/L	2	10/10/2018 2:33:15 PM	SL54789
1-Methylnaphthalene	ND	0.80		µg/L	2	10/10/2018 2:33:15 PM	SL54789
2-Methylnaphthalene	ND	0.80		µg/L	2	10/10/2018 2:33:15 PM	SL54789
Xylenes, Total	15	0.30		µg/L	2	10/10/2018 2:33:15 PM	SL54789
Surr: 1,2-Dichloroethane-d4	112	70-130		%Rec	2	10/10/2018 2:33:15 PM	SL54789
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	2	10/10/2018 2:33:15 PM	SL54789
Surr: Dibromofluoromethane	117	70-130		%Rec	2	10/10/2018 2:33:15 PM	SL54789
Surr: Toluene-d8	108	70-130		%Rec	2	10/10/2018 2:33:15 PM	SL54789

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-8
Project: TTS & SS Deming
Collection Date: 9/29/2018 10:11:00 AM
Lab ID: 1810163-007 **Matrix:** AIR
Received Date: 10/2/2018 8:32:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	7.6	2.0		µg/L	20	10/10/2018 3:02:46 PM	SL54789
Toluene	20	2.0		µg/L	20	10/10/2018 3:02:46 PM	SL54789
Ethylbenzene	2.7	2.0		µg/L	20	10/10/2018 3:02:46 PM	SL54789
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	20	10/10/2018 3:02:46 PM	SL54789
1,2,4-Trimethylbenzene	4.0	2.0		µg/L	20	10/10/2018 3:02:46 PM	SL54789
1,3,5-Trimethylbenzene	2.4	2.0		µg/L	20	10/10/2018 3:02:46 PM	SL54789
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	20	10/10/2018 3:02:46 PM	SL54789
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	20	10/10/2018 3:02:46 PM	SL54789
Naphthalene	ND	4.0		µg/L	20	10/10/2018 3:02:46 PM	SL54789
1-Methylnaphthalene	ND	8.0		µg/L	20	10/10/2018 3:02:46 PM	SL54789
2-Methylnaphthalene	ND	8.0		µg/L	20	10/10/2018 3:02:46 PM	SL54789
Xylenes, Total	27	3.0		µg/L	20	10/10/2018 3:02:46 PM	SL54789
Surr: 1,2-Dichloroethane-d4	85.9	70-130		%Rec	20	10/10/2018 3:02:46 PM	SL54789
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	20	10/10/2018 3:02:46 PM	SL54789
Surr: Dibromofluoromethane	94.9	70-130		%Rec	20	10/10/2018 3:02:46 PM	SL54789
Surr: Toluene-d8	110	70-130		%Rec	20	10/10/2018 3:02:46 PM	SL54789

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-9
Project: TTS & SS Deming
Collection Date: 9/29/2018 10:15:00 AM
Lab ID: 1810163-008 **Matrix:** AIR
Received Date: 10/2/2018 8:32:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	2.2	2.0		µg/L	20	10/10/2018 3:32:09 PM	SL54789
Toluene	7.3	2.0		µg/L	20	10/10/2018 3:32:09 PM	SL54789
Ethylbenzene	ND	2.0		µg/L	20	10/10/2018 3:32:09 PM	SL54789
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	20	10/10/2018 3:32:09 PM	SL54789
1,2,4-Trimethylbenzene	3.1	2.0		µg/L	20	10/10/2018 3:32:09 PM	SL54789
1,3,5-Trimethylbenzene	2.1	2.0		µg/L	20	10/10/2018 3:32:09 PM	SL54789
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	20	10/10/2018 3:32:09 PM	SL54789
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	20	10/10/2018 3:32:09 PM	SL54789
Naphthalene	ND	4.0		µg/L	20	10/10/2018 3:32:09 PM	SL54789
1-Methylnaphthalene	ND	8.0		µg/L	20	10/10/2018 3:32:09 PM	SL54789
2-Methylnaphthalene	ND	8.0		µg/L	20	10/10/2018 3:32:09 PM	SL54789
Xylenes, Total	19	3.0		µg/L	20	10/10/2018 3:32:09 PM	SL54789
Surr: 1,2-Dichloroethane-d4	92.2	70-130		%Rec	20	10/10/2018 3:32:09 PM	SL54789
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	20	10/10/2018 3:32:09 PM	SL54789
Surr: Dibromofluoromethane	102	70-130		%Rec	20	10/10/2018 3:32:09 PM	SL54789
Surr: Toluene-d8	108	70-130		%Rec	20	10/10/2018 3:32:09 PM	SL54789

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-10
Project: TTS & SS Deming
Collection Date: 9/29/2018 10:21:00 AM
Lab ID: 1810163-009 **Matrix:** AIR
Received Date: 10/2/2018 8:32:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	1.3	0.50		µg/L	5	10/10/2018 4:01:14 PM	SL54789
Toluene	3.9	0.50		µg/L	5	10/10/2018 4:01:14 PM	SL54789
Ethylbenzene	1.4	0.50		µg/L	5	10/10/2018 4:01:14 PM	SL54789
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	5	10/10/2018 4:01:14 PM	SL54789
1,2,4-Trimethylbenzene	1.1	0.50		µg/L	5	10/10/2018 4:01:14 PM	SL54789
1,3,5-Trimethylbenzene	1.1	0.50		µg/L	5	10/10/2018 4:01:14 PM	SL54789
1,2-Dichloroethane (EDC)	ND	0.50		µg/L	5	10/10/2018 4:01:14 PM	SL54789
1,2-Dibromoethane (EDB)	ND	0.50		µg/L	5	10/10/2018 4:01:14 PM	SL54789
Naphthalene	ND	1.0		µg/L	5	10/10/2018 4:01:14 PM	SL54789
1-Methylnaphthalene	ND	2.0		µg/L	5	10/10/2018 4:01:14 PM	SL54789
2-Methylnaphthalene	ND	2.0		µg/L	5	10/10/2018 4:01:14 PM	SL54789
Xylenes, Total	12	0.75		µg/L	5	10/10/2018 4:01:14 PM	SL54789
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	5	10/10/2018 4:01:14 PM	SL54789
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	5	10/10/2018 4:01:14 PM	SL54789
Surr: Dibromofluoromethane	101	70-130		%Rec	5	10/10/2018 4:01:14 PM	SL54789
Surr: Toluene-d8	107	70-130		%Rec	5	10/10/2018 4:01:14 PM	SL54789

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Circuit 2 Trunkline
Project: TTS & SS Deming
Collection Date: 9/29/2018 9:50:00 AM
Lab ID: 1810163-011 **Matrix:** AIR
Received Date: 10/2/2018 8:32:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	2200	50		µg/L	10	10/3/2018 11:03:45 AM	GW5461
Surr: BFB	140	80.2-145		%Rec	10	10/3/2018 11:03:45 AM	GW5461

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Circuit 2 Stack
Project: TTS & SS Deming
Collection Date: 9/29/2018 9:56:00 AM
Lab ID: 1810163-012 **Matrix:** AIR
Received Date: 10/2/2018 8:32:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	5.2	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
Toluene	13	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
Ethylbenzene	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
1,2,4-Trimethylbenzene	2.8	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
1,3,5-Trimethylbenzene	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
Naphthalene	ND	4.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
1-Methylnaphthalene	ND	8.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
2-Methylnaphthalene	ND	8.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
Acetone	ND	20		µg/L	20	10/9/2018 12:33:13 PM	A54734
Bromobenzene	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
Bromodichloromethane	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
Bromoform	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
Bromomethane	ND	4.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
2-Butanone	ND	20		µg/L	20	10/9/2018 12:33:13 PM	A54734
Carbon disulfide	ND	20		µg/L	20	10/9/2018 12:33:13 PM	A54734
Carbon tetrachloride	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
Chlorobenzene	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
Chloroethane	ND	4.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
Chloroform	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
Chloromethane	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
2-Chlorotoluene	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
4-Chlorotoluene	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
cis-1,2-DCE	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
cis-1,3-Dichloropropene	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
Dibromochloromethane	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
Dibromomethane	ND	4.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
1,2-Dichlorobenzene	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
1,3-Dichlorobenzene	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
1,4-Dichlorobenzene	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
Dichlorodifluoromethane	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
1,1-Dichloroethane	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
1,1-Dichloroethene	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
1,2-Dichloropropane	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
1,3-Dichloropropane	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
2,2-Dichloropropane	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Circuit 2 Stack
Project: TTS & SS Deming
Collection Date: 9/29/2018 9:56:00 AM
Lab ID: 1810163-012 **Matrix:** AIR
Received Date: 10/2/2018 8:32:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
Hexachlorobutadiene	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
2-Hexanone	ND	20		µg/L	20	10/9/2018 12:33:13 PM	A54734
Isopropylbenzene	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
4-Isopropyltoluene	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
4-Methyl-2-pentanone	ND	20		µg/L	20	10/9/2018 12:33:13 PM	A54734
Methylene chloride	ND	6.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
n-Butylbenzene	ND	6.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
n-Propylbenzene	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
sec-Butylbenzene	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
Styrene	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
tert-Butylbenzene	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
Tetrachloroethene (PCE)	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
trans-1,2-DCE	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
trans-1,3-Dichloropropene	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
1,2,3-Trichlorobenzene	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
1,2,4-Trichlorobenzene	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
1,1,1-Trichloroethane	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
1,1,2-Trichloroethane	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
Trichloroethene (TCE)	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
Trichlorofluoromethane	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
1,2,3-Trichloropropane	ND	4.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
Vinyl chloride	ND	2.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
Xylenes, Total	21	3.0		µg/L	20	10/9/2018 12:33:13 PM	A54734
Surr: Dibromofluoromethane	101	70-130		%Rec	20	10/9/2018 12:33:13 PM	A54734
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	20	10/9/2018 12:33:13 PM	A54734
Surr: Toluene-d8	103	70-130		%Rec	20	10/9/2018 12:33:13 PM	A54734
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	20	10/9/2018 12:33:13 PM	A54734

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-11
Project: TTS & SS Deming
Collection Date: 9/27/2018 7:01:00 PM
Lab ID: 1810163-013 **Matrix:** AIR
Received Date: 10/2/2018 8:32:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.10		µg/L	1	10/9/2018 2:00:56 PM	B54734
Toluene	ND	0.10		µg/L	1	10/9/2018 2:00:56 PM	B54734
Ethylbenzene	ND	0.10		µg/L	1	10/9/2018 2:00:56 PM	B54734
Methyl tert-butyl ether (MTBE)	ND	0.10		µg/L	1	10/9/2018 2:00:56 PM	B54734
1,2,4-Trimethylbenzene	ND	0.10		µg/L	1	10/9/2018 2:00:56 PM	B54734
1,3,5-Trimethylbenzene	ND	0.10		µg/L	1	10/9/2018 2:00:56 PM	B54734
1,2-Dichloroethane (EDC)	ND	0.10		µg/L	1	10/9/2018 2:00:56 PM	B54734
1,2-Dibromoethane (EDB)	ND	0.10		µg/L	1	10/9/2018 2:00:56 PM	B54734
Naphthalene	ND	0.20		µg/L	1	10/9/2018 2:00:56 PM	B54734
1-Methylnaphthalene	ND	0.40		µg/L	1	10/9/2018 2:00:56 PM	B54734
2-Methylnaphthalene	ND	0.40		µg/L	1	10/9/2018 2:00:56 PM	B54734
Xylenes, Total	0.36	0.15		µg/L	1	10/9/2018 2:00:56 PM	B54734
Surr: 1,2-Dichloroethane-d4	72.0	70-130		%Rec	1	10/9/2018 2:00:56 PM	B54734
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	10/9/2018 2:00:56 PM	B54734
Surr: Dibromofluoromethane	95.8	70-130		%Rec	1	10/9/2018 2:00:56 PM	B54734
Surr: Toluene-d8	123	70-130		%Rec	1	10/9/2018 2:00:56 PM	B54734

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-12
Project: TTS & SS Deming
Collection Date: 9/27/2018 7:07:00 PM
Lab ID: 1810163-014 **Matrix:** AIR
Received Date: 10/2/2018 8:32:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	12	1.0		µg/L	10	10/9/2018 2:29:59 PM	B54734
Toluene	62	1.0		µg/L	10	10/9/2018 2:29:59 PM	B54734
Ethylbenzene	6.7	1.0		µg/L	10	10/9/2018 2:29:59 PM	B54734
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	10	10/9/2018 2:29:59 PM	B54734
1,2,4-Trimethylbenzene	26	1.0		µg/L	10	10/9/2018 2:29:59 PM	B54734
1,3,5-Trimethylbenzene	17	1.0		µg/L	10	10/9/2018 2:29:59 PM	B54734
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	10	10/9/2018 2:29:59 PM	B54734
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	10	10/9/2018 2:29:59 PM	B54734
Naphthalene	ND	2.0		µg/L	10	10/9/2018 2:29:59 PM	B54734
1-Methylnaphthalene	ND	4.0		µg/L	10	10/9/2018 2:29:59 PM	B54734
2-Methylnaphthalene	ND	4.0		µg/L	10	10/9/2018 2:29:59 PM	B54734
Xylenes, Total	260	1.5		µg/L	10	10/9/2018 2:29:59 PM	B54734
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	10	10/9/2018 2:29:59 PM	B54734
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	10	10/9/2018 2:29:59 PM	B54734
Surr: Dibromofluoromethane	97.7	70-130		%Rec	10	10/9/2018 2:29:59 PM	B54734
Surr: Toluene-d8	129	70-130		%Rec	10	10/9/2018 2:29:59 PM	B54734

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-13
Project: TTS & SS Deming
Collection Date: 9/27/2018 7:14:00 PM
Lab ID: 1810163-015 **Matrix:** AIR
Received Date: 10/2/2018 8:32:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	2.8	0.50		µg/L	5	10/9/2018 2:58:57 PM	B54734
Toluene	110	5.0		µg/L	50	10/10/2018 11:08:23 AM	SL54789
Ethylbenzene	32	0.50		µg/L	5	10/9/2018 2:58:57 PM	B54734
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	5	10/9/2018 2:58:57 PM	B54734
1,2,4-Trimethylbenzene	29	0.50		µg/L	5	10/9/2018 2:58:57 PM	B54734
1,3,5-Trimethylbenzene	18	0.50		µg/L	5	10/9/2018 2:58:57 PM	B54734
1,2-Dichloroethane (EDC)	ND	0.50		µg/L	5	10/9/2018 2:58:57 PM	B54734
1,2-Dibromoethane (EDB)	ND	0.50		µg/L	5	10/9/2018 2:58:57 PM	B54734
Naphthalene	ND	1.0		µg/L	5	10/9/2018 2:58:57 PM	B54734
1-Methylnaphthalene	ND	2.0		µg/L	5	10/9/2018 2:58:57 PM	B54734
2-Methylnaphthalene	ND	2.0		µg/L	5	10/9/2018 2:58:57 PM	B54734
Xylenes, Total	320	7.5		µg/L	50	10/10/2018 11:08:23 AM	SL54789
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	5	10/9/2018 2:58:57 PM	B54734
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	5	10/9/2018 2:58:57 PM	B54734
Surr: Dibromofluoromethane	108	70-130		%Rec	5	10/9/2018 2:58:57 PM	B54734
Surr: Toluene-d8	124	70-130		%Rec	5	10/9/2018 2:58:57 PM	B54734

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-14
Project: TTS & SS Deming
Collection Date: 9/27/2018 7:21:00 PM
Lab ID: 1810163-016 **Matrix:** AIR
Received Date: 10/2/2018 8:32:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	5.0	2.0		µg/L	20	10/9/2018 3:28:09 PM	B54734
Toluene	37	2.0		µg/L	20	10/9/2018 3:28:09 PM	B54734
Ethylbenzene	10	2.0		µg/L	20	10/9/2018 3:28:09 PM	B54734
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	20	10/9/2018 3:28:09 PM	B54734
1,2,4-Trimethylbenzene	19	2.0		µg/L	20	10/9/2018 3:28:09 PM	B54734
1,3,5-Trimethylbenzene	9.8	2.0		µg/L	20	10/9/2018 3:28:09 PM	B54734
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	20	10/9/2018 3:28:09 PM	B54734
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	20	10/9/2018 3:28:09 PM	B54734
Naphthalene	ND	4.0		µg/L	20	10/9/2018 3:28:09 PM	B54734
1-Methylnaphthalene	ND	8.0		µg/L	20	10/9/2018 3:28:09 PM	B54734
2-Methylnaphthalene	ND	8.0		µg/L	20	10/9/2018 3:28:09 PM	B54734
Xylenes, Total	74	3.0		µg/L	20	10/9/2018 3:28:09 PM	B54734
Surr: 1,2-Dichloroethane-d4	91.1	70-130		%Rec	20	10/9/2018 3:28:09 PM	B54734
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	20	10/9/2018 3:28:09 PM	B54734
Surr: Dibromofluoromethane	99.8	70-130		%Rec	20	10/9/2018 3:28:09 PM	B54734
Surr: Toluene-d8	105	70-130		%Rec	20	10/9/2018 3:28:09 PM	B54734

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-15
Project: TTS & SS Deming
Collection Date: 9/27/2018 7:30:00 PM
Lab ID: 1810163-017
Matrix: AIR
Received Date: 10/2/2018 8:32:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	3.3	2.0		µg/L	20	10/9/2018 3:57:44 PM	B54734
Toluene	10	2.0		µg/L	20	10/9/2018 3:57:44 PM	B54734
Ethylbenzene	2.2	2.0		µg/L	20	10/9/2018 3:57:44 PM	B54734
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	20	10/9/2018 3:57:44 PM	B54734
1,2,4-Trimethylbenzene	7.0	2.0		µg/L	20	10/9/2018 3:57:44 PM	B54734
1,3,5-Trimethylbenzene	3.1	2.0		µg/L	20	10/9/2018 3:57:44 PM	B54734
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	20	10/9/2018 3:57:44 PM	B54734
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	20	10/9/2018 3:57:44 PM	B54734
Naphthalene	ND	4.0		µg/L	20	10/9/2018 3:57:44 PM	B54734
1-Methylnaphthalene	ND	8.0		µg/L	20	10/9/2018 3:57:44 PM	B54734
2-Methylnaphthalene	ND	8.0		µg/L	20	10/9/2018 3:57:44 PM	B54734
Xylenes, Total	29	3.0		µg/L	20	10/9/2018 3:57:44 PM	B54734
Surr: 1,2-Dichloroethane-d4	82.0	70-130		%Rec	20	10/9/2018 3:57:44 PM	B54734
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	20	10/9/2018 3:57:44 PM	B54734
Surr: Dibromofluoromethane	96.0	70-130		%Rec	20	10/9/2018 3:57:44 PM	B54734
Surr: Toluene-d8	106	70-130		%Rec	20	10/9/2018 3:57:44 PM	B54734

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Circuit 3 Trunkline
Project: TTS & SS Deming
Collection Date: 9/27/2018 7:45:00 PM
Lab ID: 1810163-018 **Matrix:** AIR
Received Date: 10/2/2018 8:32:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	2800	50		µg/L	10	10/3/2018 12:11:48 PM	GW5461
Surr: BFB	167	80.2-145	S	%Rec	10	10/3/2018 12:11:48 PM	GW5461

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Circuit 3 Stack
Project: TTS & SS Deming
Collection Date: 9/27/2018 7:40:00 PM
Lab ID: 1810163-020 **Matrix:** AIR
Received Date: 10/2/2018 8:32:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	3.5	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
Toluene	44	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
Ethylbenzene	12	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
1,2,4-Trimethylbenzene	9.4	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
1,3,5-Trimethylbenzene	6.2	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
1,2-Dichloroethane (EDC)	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
1,2-Dibromoethane (EDB)	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
Naphthalene	ND	5.0		µg/L	25	10/9/2018 1:02:09 PM	A54734
1-Methylnaphthalene	ND	10		µg/L	25	10/9/2018 1:02:09 PM	A54734
2-Methylnaphthalene	ND	10		µg/L	25	10/9/2018 1:02:09 PM	A54734
Acetone	ND	25		µg/L	25	10/9/2018 1:02:09 PM	A54734
Bromobenzene	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
Bromodichloromethane	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
Bromoform	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
Bromomethane	ND	5.0		µg/L	25	10/9/2018 1:02:09 PM	A54734
2-Butanone	ND	25		µg/L	25	10/9/2018 1:02:09 PM	A54734
Carbon disulfide	ND	25		µg/L	25	10/9/2018 1:02:09 PM	A54734
Carbon tetrachloride	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
Chlorobenzene	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
Chloroethane	ND	5.0		µg/L	25	10/9/2018 1:02:09 PM	A54734
Chloroform	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
Chloromethane	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
2-Chlorotoluene	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
4-Chlorotoluene	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
cis-1,2-DCE	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
cis-1,3-Dichloropropene	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	25	10/9/2018 1:02:09 PM	A54734
Dibromochloromethane	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
Dibromomethane	ND	5.0		µg/L	25	10/9/2018 1:02:09 PM	A54734
1,2-Dichlorobenzene	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
1,3-Dichlorobenzene	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
1,4-Dichlorobenzene	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
Dichlorodifluoromethane	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
1,1-Dichloroethane	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
1,1-Dichloroethene	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
1,2-Dichloropropane	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
1,3-Dichloropropane	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
2,2-Dichloropropane	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Circuit 3 Stack
Project: TTS & SS Deming
Collection Date: 9/27/2018 7:40:00 PM
Lab ID: 1810163-020 **Matrix:** AIR
Received Date: 10/2/2018 8:32:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
Hexachlorobutadiene	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
2-Hexanone	ND	25		µg/L	25	10/9/2018 1:02:09 PM	A54734
Isopropylbenzene	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
4-Isopropyltoluene	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
4-Methyl-2-pentanone	ND	25		µg/L	25	10/9/2018 1:02:09 PM	A54734
Methylene chloride	8.4	7.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
n-Butylbenzene	ND	7.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
n-Propylbenzene	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
sec-Butylbenzene	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
Styrene	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
tert-Butylbenzene	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
1,1,1,2-Tetrachloroethane	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
1,1,2,2-Tetrachloroethane	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
Tetrachloroethene (PCE)	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
trans-1,2-DCE	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
trans-1,3-Dichloropropene	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
1,2,3-Trichlorobenzene	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
1,2,4-Trichlorobenzene	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
1,1,1-Trichloroethane	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
1,1,2-Trichloroethane	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
Trichloroethene (TCE)	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
Trichlorofluoromethane	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
1,2,3-Trichloropropane	ND	5.0		µg/L	25	10/9/2018 1:02:09 PM	A54734
Vinyl chloride	ND	2.5		µg/L	25	10/9/2018 1:02:09 PM	A54734
Xylenes, Total	110	3.8		µg/L	25	10/9/2018 1:02:09 PM	A54734
Surr: Dibromofluoromethane	100	70-130		%Rec	25	10/9/2018 1:02:09 PM	A54734
Surr: 1,2-Dichloroethane-d4	88.0	70-130		%Rec	25	10/9/2018 1:02:09 PM	A54734
Surr: Toluene-d8	113	70-130		%Rec	25	10/9/2018 1:02:09 PM	A54734
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	25	10/9/2018 1:02:09 PM	A54734

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Circuit 1 Trunkline
Project: TTS & SS Deming
Collection Date: 9/28/2018 10:13:00 AM
Lab ID: 1810163-021 **Matrix:** AIR
Received Date: 10/2/2018 8:32:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	3100	50		µg/L	10	10/3/2018 11:49:07 AM	GW5461
Surr: BFB	195	80.2-145	S	%Rec	10	10/3/2018 11:49:07 AM	GW5461

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Circuit 1 Stack
Project: TTS & SS Deming
Collection Date: 9/28/2018 10:20:00 AM
Lab ID: 1810163-023 **Matrix:** AIR
Received Date: 10/2/2018 8:32:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	8.2	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
Toluene	39	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
Ethylbenzene	21	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
1,2,4-Trimethylbenzene	19	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
1,3,5-Trimethylbenzene	10	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
Naphthalene	ND	2.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
1-Methylnaphthalene	ND	4.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
2-Methylnaphthalene	ND	4.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
Acetone	ND	10		µg/L	10	10/9/2018 1:31:32 PM	A54734
Bromobenzene	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
Bromodichloromethane	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
Bromoform	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
Bromomethane	ND	2.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
2-Butanone	ND	10		µg/L	10	10/9/2018 1:31:32 PM	A54734
Carbon disulfide	ND	10		µg/L	10	10/9/2018 1:31:32 PM	A54734
Carbon tetrachloride	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
Chlorobenzene	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
Chloroethane	ND	2.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
Chloroform	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
Chloromethane	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
2-Chlorotoluene	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
4-Chlorotoluene	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
cis-1,2-DCE	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
cis-1,3-Dichloropropene	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
Dibromochloromethane	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
Dibromomethane	ND	2.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
1,2-Dichlorobenzene	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
1,3-Dichlorobenzene	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
1,4-Dichlorobenzene	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
Dichlorodifluoromethane	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
1,1-Dichloroethane	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
1,1-Dichloroethene	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
1,2-Dichloropropane	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
1,3-Dichloropropane	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
2,2-Dichloropropane	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Circuit 1 Stack
Project: TTS & SS Deming
Collection Date: 9/28/2018 10:20:00 AM
Lab ID: 1810163-023 **Matrix:** AIR
Received Date: 10/2/2018 8:32:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
Hexachlorobutadiene	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
2-Hexanone	ND	10		µg/L	10	10/9/2018 1:31:32 PM	A54734
Isopropylbenzene	2.5	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
4-Isopropyltoluene	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
4-Methyl-2-pentanone	ND	10		µg/L	10	10/9/2018 1:31:32 PM	A54734
Methylene chloride	3.8	3.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
n-Butylbenzene	ND	3.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
n-Propylbenzene	6.6	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
sec-Butylbenzene	1.1	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
Styrene	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
tert-Butylbenzene	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
Tetrachloroethene (PCE)	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
trans-1,2-DCE	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
trans-1,3-Dichloropropene	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
1,2,3-Trichlorobenzene	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
1,2,4-Trichlorobenzene	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
1,1,1-Trichloroethane	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
1,1,2-Trichloroethane	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
Trichloroethene (TCE)	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
Trichlorofluoromethane	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
1,2,3-Trichloropropane	ND	2.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
Vinyl chloride	ND	1.0		µg/L	10	10/9/2018 1:31:32 PM	A54734
Xylenes, Total	110	1.5		µg/L	10	10/9/2018 1:31:32 PM	A54734
Surr: Dibromofluoromethane	103	70-130		%Rec	10	10/9/2018 1:31:32 PM	A54734
Surr: 1,2-Dichloroethane-d4	88.7	70-130		%Rec	10	10/9/2018 1:31:32 PM	A54734
Surr: Toluene-d8	117	70-130		%Rec	10	10/9/2018 1:31:32 PM	A54734
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	10	10/9/2018 1:31:32 PM	A54734

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SVE-1
Project: TTS & SS Deming
Collection Date: 9/28/2018 10:25:00 AM
Lab ID: 1810163-024
Matrix: AIR
Received Date: 10/2/2018 8:32:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	3.9	1.0		µg/L	10	10/11/2018 12:55:07 PM	SL54821
Toluene	38	1.0		µg/L	10	10/11/2018 12:55:07 PM	SL54821
Ethylbenzene	61	1.0		µg/L	10	10/11/2018 12:55:07 PM	SL54821
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	10	10/11/2018 12:55:07 PM	SL54821
1,2,4-Trimethylbenzene	34	1.0		µg/L	10	10/11/2018 12:55:07 PM	SL54821
1,3,5-Trimethylbenzene	18	1.0		µg/L	10	10/11/2018 12:55:07 PM	SL54821
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	10	10/11/2018 12:55:07 PM	SL54821
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	10	10/11/2018 12:55:07 PM	SL54821
Naphthalene	ND	2.0		µg/L	10	10/11/2018 12:55:07 PM	SL54821
1-Methylnaphthalene	ND	4.0		µg/L	10	10/11/2018 12:55:07 PM	SL54821
2-Methylnaphthalene	ND	4.0		µg/L	10	10/11/2018 12:55:07 PM	SL54821
Xylenes, Total	230	1.5		µg/L	10	10/11/2018 12:55:07 PM	SL54821
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	10	10/11/2018 12:55:07 PM	SL54821
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	10	10/11/2018 12:55:07 PM	SL54821
Surr: Dibromofluoromethane	106	70-130		%Rec	10	10/11/2018 12:55:07 PM	SL54821
Surr: Toluene-d8	118	70-130		%Rec	10	10/11/2018 12:55:07 PM	SL54821

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1810163**

16-Oct-18

Client: MYC Environmental And Construction LLC

Project: TTS & SS Deming

Sample ID	**1810163-001a dup**	SampType:	**DUP**	TestCode:	**EPA Method 8260B: Volatiles Short List**
Client ID:	**SVE-2**	Batch ID:	**SL54789**	RunNo:	**54789**
Prep Date:		Analysis Date:	**10/10/2018**	SeqNo:	**1819372** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	8.0	2.0						2.31	20	
Toluene	16	2.0						1.39	20	
Ethylbenzene	2.8	2.0						6.75	20	
Methyl tert-butyl ether (MTBE)	ND	2.0						0	20	
1,2,4-Trimethylbenzene	3.6	2.0						2.60	20	
1,3,5-Trimethylbenzene	ND	2.0						0	20	
1,2-Dichloroethane (EDC)	ND	2.0						0	20	
1,2-Dibromoethane (EDB)	ND	2.0						0	20	
Naphthalene	ND	4.0						0	20	
1-Methylnaphthalene	ND	8.0						0	20	
2-Methylnaphthalene	ND	8.0						0	20	
Xylenes, Total	16	3.0						0.283	20	
Surr: 1,2-Dichloroethane-d4	17		20.00		87.0	70	130	0	0	
Surr: 4-Bromofluorobenzene	21		20.00		103	70	130	0	0	
Surr: Dibromofluoromethane	19		20.00		95.9	70	130	0	0	
Surr: Toluene-d8	21		20.00		107	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: MYC ENVIRONMENTAL Work Order Number: 1810163 RcptNo: 1

Received By: Anne Thorne 10/2/2018 8:32:00 AM Anne Thorne

Completed By: Anne Thorne 10/3/2018 7:16:32 AM Anne Thorne

Reviewed By: AT 10/03/18

Labeled by: SAB 10/03/18

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Client		

Log In

3. Was an attempt made to cool the samples?	Yes ☐	No ☐	NA ☑
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☐	No ☐	NA ☑
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by:

10/03/18 SAB

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Chain-of-Custody Record

Client: MYC Environmental & Construction, LLC

Mailing Address: 5400 Vierra Ave SW ABQ NM 87105

Phone #:

email or Fax#: Kris@myceniro.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: TTS & SG Deming

Project #:

Project Manager: Jeff Cotter

Sampler: Kris Sharma

On Ice: ☐ Yes ☒ No

# of Coolers: 1

Cooler Temp(including CF):

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1810163	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	8260B Shortlist	8260B	8015D GRO	EPA 2261 Fixed Gas		
9/28/18	10:32	Air	SVE-2	Tedlar		001											X					
9/28/18	10:38		SVE-3			002											X					
9/28/18	10:44		SVE-4			003											X					
9/28/18	10:51		SVE-5			004											X					
9/29/18	10:01		SVE-6			005											X					
9/29/18	10:06		SVE-7			006											X					
9/29/18	10:11		SVE-8			007											X					
9/29/18	10:15		SVE-9			008											X					
9/29/18	10:21		SVE-10			009											X					
9/29/18	9:50		Circuit 2 trunkline			010														X		
9/29/18	9:50		Circuit 2 trunkline			011													X			
9/29/18	9:56		Circuit 2 stack			012												X				

Date:	Time:	Relinquished by:	Received by:	Via:	Date Time	Remarks:
10/2/18	8:32				10/02/18 0832	
Date:	Time:	Relinquished by:	Received by:	Via:	Date Time	

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: MYC Environmental & Construction, LLC

Mailing Address: 5400 VIERRA Ave SW ALB NM 87105

Phone #:

email or Fax#: kris@mycenviro.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: JTTS & SG Deming

Project #:

Project Manager: Jeff Cotter

Sampler: Kris Sharma

On Ice: ☐ Yes ☒ No

# of Coolers: 1

Cooler Temp(including CF):

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

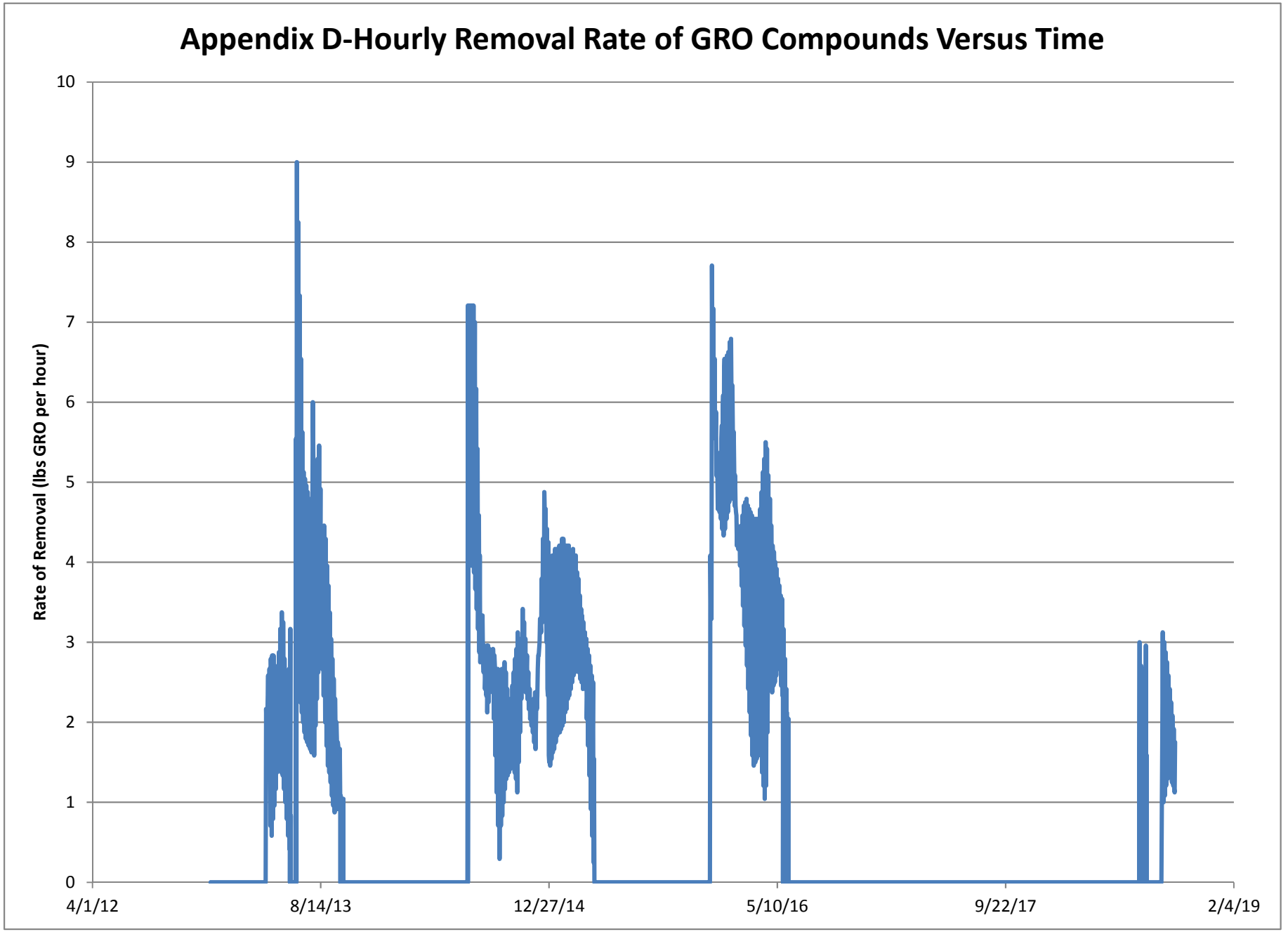
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1810163	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	8260B Shortlist	8260B	8015D GRO	SPA 226 Fixed Gases		
09/27/18	19.01	Air	SVE-11	Tedlar		-013											X					
09/27/18	19.07		SVE-12			-014											X					
9/27/18	19.14		SVE-13			-015											X					
9/27/18	19.21		SVE-14			-016											X					
9/27/18	19.30		SVE-15			-017											X					
9/27/18	19.45		Circuit3 trunkline			-018													X			
9/27/18	19.45		Circuit3 trunkline			-019														X		
9/27/18	19.40		Circuit 3 Stack			-020												X				
9/28/18	10.13		Circuit 1 trunkline			-021													X			
9/28/18	10.13		Circuit 1 trunkline			-022														X		
9/28/18	10.20		Circuit 1 Stack			-023												X				
9/28/18	10.25		SVE-1			-024											X					

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
04/2	8:32	[signature]	[signature]		10/02/18	8:32
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

APPENDIX D
Hourly Removal of Gasoline Range Organics (GRO) Compounds Graph


Appendix D-Hourly Removal Rate of GRO Compounds Versus Time
Rate of Removal (lbs GRO per hour)
10
9
8
7
6
5
4
3
2
1
0
4/1/12
8/14/13
12/27/14
5/10/16
9/22/17
2/4/19

APPENDIX E
Calculation for Hydrocarbon Mass Removal Rate by the Natural Gas Off-set Method

CALCULATION FOR HYDRO-CARBON MASS REMOVAL RATE BY NATURAL GAS OFF-SET METHOD

$$\dot{M}_{NGO} = C_{HC}\left(E_{RSI} - E_{NG}\right)$$

WHERE:

$\dot{M}_{NGO}$ = HYDROCARBON MASS REMOVAL RATE BY NATURAL GAS OFF-SET METHOD (lbs/hr)

C_{HC} = CONVERSION FROM BTU TO LBS HYDROCARBONS AS GASOLINE

$$5.714x10^{-5}\, lbs/hr$$

E_{RSI} = ENERGY CONSUMPTION RATE OF RSI UNIT $(270{,}000 btu/hr)$

$$E_{NG} = C_{NG}\left(\frac{V_{NG1F} - V_{NG1O}}{t_f - t_0}\right)$$

E_{NG} = RATE OF ENERGY SUPPLIED BY SUPPLEMENTAL FUEL (btu/hr)

C_{NG} = CONVERSION FROM VOLUME OF NATURAL GAS TO ENERGY $(btu/cu.ft.)$

V_{NG1F} = TOTAL VOLUME OF NATURAL GAS CONSUMED AT END OF REPORTING PERIOD $(cu.ft.)$

V_{NG1O} = TOTAL VOLUME OF NATURAL GAS CONSUMED AT START OF REPORTING PERIOD $(cu.ft.)$

t_f = TIME AT END OF REPORTING PERIOD (hr)

t_0 = TIME AT START OF REPORTING PERIOD (hr)

CALCULATION FOR HYDRO-CARBON MASS REMOVAL RATE BY NATURAL GAS OFF-SET METHOD

$$\dot{M}_{GRO} = C_{GRO}'(Q_{SNE})$$

WHERE:

$\dot{M}_{GRO}$ = HYDROCARBON MASS REMOVAL RATE BY GRO ANALYSIS METHOD (lbs/hr)

C_{GRO} = CONCENTRATION OF GASOLINE RANGE ORGANICS IN COMPOSITE SVE SAMPLE $(lbs/cu.ft.)$

NOTE: LABORATORY ANALYSIS RESULTS PROVIDED IN mg/L. CONVERSION TO lbs/cu.ft. ACCOMPLISHED AS FOLLOWS:

$$1mg/L * \frac{1lbs}{453592mg} * \frac{7.481L}{1cu.ft.} = 1.65x10^{-5}\frac{lbs}{cu.ft.}$$

$$Q_{SVE} = \sum_{i=1}^{5} \frac{V_i}{\Pi * \Gamma_P{}^2} * \frac{P_{P1ABSi}}{P_{STD}} \quad (SCFM)$$

Q_{SVE} = VOLUMETRIC FLOW RATE OF SVE $(SCFM)$

V_i = SVE FLOW VELOCITY IN PIPE i (FPM)

Γ_P = INSIDE RADIUS OF PIPE $(0.0967\,ft.)$

$P_{P1ABSi} = P_{BAR} - \Delta P_{PIPE1i}$; ABSOLUTE PRESSURE IN PIPE i $(inHg)$

P_{BAR} = BAROMETRIC PRESSURE $(inHg)$

ΔP_{PIPE1i} = DIFFERENTIAL PRESSURE IN PIPE i $(inHg)$

CALCULATION FOR HYDRO-CARBON MASS REMOVAL RATE BY NATURAL GAS OFF-SET METHOD

P_{STD} = STANDAR BAROMETRIC PRESSURE $(29.92inHg)$

$$\dot{M}_{PID} = \rho_{GASOLINE} * CF_{GASOLINE} * \sum_{i=1}^{5} C_{PID1i} * \frac{V_i}{\Pi\Gamma_P{}^2} * \frac{P_{BAR} - \Delta P_{PIPE1i}}{P_{STD}}$$

WHERE:

$\dot{M}_{PID}$ = HYDROCARBON MASS REMOVAL RATE BY PID READINGS METHOD (lbs/hr)

$\rho_{GASOLINE}$ = DENSITY OF GASOLINE $(48.0lbs/cu.ft.)$

$CF_{GASOLINE}$ = PID REDING CORRECTION FACTOR FOR GASOLINE (0.90)

C_{PID1i} = PID READING

V_i = SVE FLOW VELOCITY IN PIPE i (fpm)

Γ_P = INSIDE RADIUS OF PIPE $(0.0967\,ft.)$

P_{BAR} = BAROMETRIC PRESSURE $(inHg)$

ΔP_{PIPE} = DIFFERENTIAL PRESSURE IN PIPE i $(inHg)$

P_{STD} = STANDARD BAROMETRIC PRESSURE $(29.92inHg)$

RECEIVED
By PSTB at 4:51 pm, Aug 12, 2022

ASW Engineering PLLC

1615 Arizona Avenue
El Paso, Texas 79902 COVER
telephone (915) 533-3344
fax (512) 697-8300

CONTINUED INVESTIGATION REPORT

OF
SUBSURFACE PETROLEUM HYDROCARBON CONTAMINATION

AT

CANO'S RESTAURANT
1200 WEST PINE,
DEMING, NEW MEXICO

FIRST MONITORING AND NAPL RECOVERY REPORT

COVER PAGE
FORM 1216
SEMIANNUAL MONITORING
AND NAPL RECOVERY REPORT

1. Site name: Cano's Restaurant

2. Responsible party: Mr. Stanley Jackson
SJ Real Estate LLC

3. Responsible party mailing address (list contact person if different):

SJ REAL ESTATE LLC
PO Box 1260
Deming, New Mexico 88031

4. Facility number: 31494

5. Address/legal description:
Cano Restaurant
1200 West Pine St.
Deming, NM

6. Author/Consulting Company:

Robert W. Daniels
ASW Engineering PLLC.

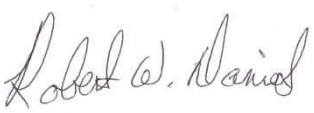
7. Date of report: August 12, 2022

8. Date of confirmation of release or date USTB was notified of the release:

September 10, 1993

STATEMENT OF FAMILIARITY

I, the undersigned, am personally familiar with the information submitted in this report and the attached documents and attest that it is true and complete.

Signature: 

Name: Robert W. Daniels

Affiliation: ASW Engineering PLLC

Title: Environmental Manager

Date: August 12, 2022

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5. FIGURE 3. LOWER AQUIFER GROUNDWATER CONTAMINATION
6. FIGURE 4. GROUNDWATER GRADIENT MAP: UPPER AQUIFER
7. FIGURE 5. GROUNDWATER GRADIENT MAP: LOWER AQUIFER

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8. ANALYTICAL REPORT

APPENDICES

1. HEALTH AND SAFETY PLAN

ASW Engineering PLLC

1615 Arizona Avenue
El Paso, Texas 79902

telephone (915) 533-3344
fax (512) 697-8300

REPORT

August 12, 2022

Mr. Tim Noger
Geoscientist
New Mexico Environment Department
Remedial Action Program
Petroleum Storage Tank Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505

Re: A report of a continued investigation of subsurface petroleum hydrocarbon contamination at Cano's Restaurant, 1200 West Pine, being Lots 1-11, Lots 1A-11A, Block BD, Orr Subdivision, City of Deming, Luna County, NM, Second groundwater monitoring and NAPL recovery report.

Facility #: 54744, Release ID #: 4654

Dear Mr. Noger:

I. **INTRODUCTION**:

On May 19, 2021, ASW Engineering PLLC on behalf of SJ Real Estate LLC submitted a continued subsurface investigation workplan for the above referenced site. ASW Engineering PLLC (ASW) understands that on May 21, 2012, the New Mexico Environment Department (Department) confirmed a release from a petroleum storage tank (PST) system at the above address. The current work plan was approved by the Department on May 27, 2022. The work plan included two groundwater monitoring and NAPL recovery reports, and the plugging and abandonment of MW-4. This report is for the first groundwater monitoring and NAPL recovery report under this Deliverable ID 19065-1.

ASW followed the New Mexico Petroleum Storage Tank Regulations for the investigation of the above referenced site.

II. **ACTIVITIES PERFORMED DURING THIS EVENT**:

A groundwater monitoring and a product recovery event were performed at the Cano site located in Deming, NM.

NAPL Recovery Event

On July 12, 2022, well MW-9 was dry. On October 8, 2020, MW-9 contained NAPL. During the product removal event in 2020, MW- 9 contained 0.12 feet of free product within the well screen. The volume of free product recovered was approximately 0.21 gallons.

In the two previous gauging events, MW-9 decreased in groundwater elevation by 0.62 feet between November 25, 2019, and September 14, 2020. However, the depth to groundwater in 2020 was 87.58 feet below surface where is the total depth of the well is 99 feet BGS. That is a difference of 11.42 feet. Since the well is dry all the way to 99 feet, it appears that no recharge is taking place within the well. There is a good chance that this well will remain dry.

Ground water sampling event.

List 1. Summary of Recent Sampling Event

Monitoring Well ID	Method	Water Availability	Previous Analysis	Current Analysis
MW-1	8260C/8011	Contained Water	Under NM Human Health Standard	Under NM Human Health Standard
MW-6	8260C/8011	Contained Water	Under NM Human Health Standard	Under NM Human Health Standard
MW-7	8260C/8011	DRY	Above NM Human Health Standard	DRY
MW-8	8260C/8011	Contained Water	Above NM Human Health Standard	Above NM Human Health Standard
MW-9	8260C/8011	DRY	Contained NAPL	DRY

List 2. Field Analysis Table

Monitoring Well ID	GWE Measured	Attempted to Sample	Elevation (ft)
MW-1	Yes	Yes	4253.91
MW-2	Yes	No	4254.06
MW-3	No	No	Destroyed by Construction
MW-4	Yes	No	DRY
MW-5	No	No	Destroyed by Construction
MW-6	Yes	Yes	4228.3
MW-7	Yes	Yes	DRY
MW-8	Yes	Yes	4228.44
MW-9	Yes	Yes	DRY

Five groundwater monitoring wells were scheduled to be sampled in this sampling event. Three of the five wells scheduled for this event were sampled and groundwater analysis was performed. Please refer to Table 1, Table 2, and the fieldnotes for further details on the monitoring wells sampled during this sampling event. One water sample was taken from each non-NAPL well (Table 2.) and was submitted to Eurofins formerly XENCO Laboratories: 4147 Greenbriar Dr., Stafford, Texas for analysis of Method

8260C Extended for naphthalenes.

An electronic gauging Interface Probe was used to gauge the well. The groundwater elevations and potential NAPL readings were the first testing parameters on each well where the interface probe indicated a non-aqueous phase liquid (NAPL) was gauged. A bailer used prior to gauging would result in erroneous groundwater elevation measurements; instead, bailing afterwards confirms the presence of free product elevation readings.

The depth was read off the most northern point on the well casing. The probe was further lowered into the water, where the signals become intermittent, then the probe was pulled back up and lowered again to ensure the probe was entering the product/water interface. A reading was taken at the product/water interface. The thickness of the product layer is then determined by subtracting the first reading from the second i.e. (measurement from IP's intermittent signal – measurement from IP's solid signal = measured free product thickness).

Prior to gauging, the instrument probe and that portion of the tape that is likely to contact the water in the well was decontaminated.

List 1. List the wells that were to be sampled during this sampling event	
Well # for this Sampling Event	Monitoring Well ID
1	MW-1
2	MW-6
3	MW-7
4	MW-8
5	MW-9

Of the four wells that contain enough groundwater to be gauged during this event, two of the wells were in the upper aquifer and the other two wells were in the lower aquifer. The two wells in the upper aquifer MW-1 and MW-2 have shown a similar groundwater elevation pattern since the initial drilling. MW-1 had a 0.03-foot increase in groundwater elevation, whereas MW–2 had a 0.05-foot decrease in water elevation. Only 0.08-foot difference between the two wells' rate of change.

The two wells in the lower aquifer MW–6 and MW-8 showed a significant decline in water elevation between September 14, 2020, and July 12, 2022. MW-6 decreased 1.08 feet and MW-8 decreased 1.07 feet between 2020 and 2022. MW-6 has a groundwater elevation of 4228.30 ft. and MW-8 has a groundwater elevation of 4228.44 ft. above sea level.

MW-7 was dry during this event. In September 2020 the groundwater elevation within MW-7 was 4228.99 ft. above sea level. During the same event MW-6 and MW-8 contained groundwater elevations of 4229.38 ft. and 4229.51 ft. above sea level. A possibility to explain MW-7 going dry is this well is further south than MW-6 and MW-8.

The upper aquifer around MW-1 and MW-2 appears to be stable whereas the lower aquifer is being drawn down at a significant rate. ASW believes that this can be due to a drawdown of the lower aquifer from the municipal well. The municipal well is only located a couple blocks northeast of the location. I have a call into Jim Massengill, the Director of Utilities for the city of Deming. But I will probably not receive an answer before this report is submitted. I will ask Mr. Massengill to supply the draw down rates for the municipal wells over the past 10 years.

MW-4 was drilled in 2016 and was dry until 2019. In 2019 the average depth of ground water was 109 feet. The total depth of the well is 109 feet. The 2020 event was the only time MW-4 experienced groundwater within the well. The ground water in 2020 was 104.30 feet or a 5.02 ft increase since 2019.

No groundwater gradient maps were able to be determined in the upper and lower aquifer because MW-4, MW-7, and MW-9 were dry.

The only two 8260 constituents COCs in MW-1 with detectable quantities were Benzene at 0.247 ug/l and 1-Methyl Naphthalene at 8.8 ug/l, both lower than standards.

The only two 8260 constituents COCs in MW-6 with detectable quantities were Benzene at 0.297 ug/l and 1-Methyl Naphthalene 5.51 ug/l, both lower than standards.

The only three 8260 constituents COCs in MW-8 with detectable quantities were Benzene at 1.58 ug/l, 1-Methyl Naphthalene 4.2 ug/l, and Total Xylenes at 1.11 ug/l. No Chemical was above standards.

No Ethylene Dibromide by Method 8011 was detected in any wells tested.

Groundwater Sampling Plan

Groundwater samples from each well was placed into three separate 40 mL VOA vials and analyzed for EPA Method 8260 C. Only one 40 mL vial is required to analyze the sample. The other 2-40 mL vials are for a backup in case the first analysis needs to be rerun and for possible breakage during shipment. Therefore, the volume was more than enough to analyze the samples.

Groundwater for laboratory analysis was placed in a clean laboratory-supplied glass jar, leaving no headspace, and placed in a cooler with ice for storage. Extracted samples for laboratory analysis was immediately kept at the appropriate temperature until their submittal to the laboratory. The laboratory has been previously notified that the detection limit used for the analysis will be less than NMWQCC standards for the chemicals listed. ASW reviewed the analytical results and determine if the detection limits are compliant with and less than NMWQCC standards.

In order to determine if the sample from the ground water is representative of the surrounding groundwater and has not been influenced by chemical reactions within the well, ASW measured and

recorded pH, specific conductance and temperature during the purging of groundwater from each well. A groundwater sample was only to be taken when the following parameters have been stabilized pH (± 0.1), temperature (± 0.5 °C), and specific conductance (± 5% mS) micro siemens per centimeter.

Preservatives were used in all volatile organic water samples to reduce degradation effects. HCl was used for volatile organic water samples. Samples containing volatile organic compounds and semi volatile organic water samples was kept at 4° Celsius or below during transport to a qualified laboratory.

Groundwater Sampling Procedure

Once the monitoring wells have been properly purged, the following procedure was used to obtain groundwater samples. Note that it is not necessary to collect groundwater samples from monitoring wells containing NAPL.

(1) Using the appropriate glassware, place the preservative in the sample bottle, if applicable.

(2) Withdraw a bailer of water from the well and collect the sample from the bottom of the bailer. This can be done by carefully pushing against the check valve. To prevent volatilization, drain the water slowly into the bottle. Make sure there are no bubbles or headspace in the sample bottle., specific conductance VOA/VOC vials, ensure that a meniscus has developed before capping.

(3) Label the bottle carefully and seal it with evidence (custody) tape. Chain-of-custody documentation is required for all samples shipped to a laboratory for analysis.

(4) Place sample under ice in a cooler and transport to the laboratory.

Monitor wells are purged prior to the collection of groundwater samples. If groundwater in a monitor well is insufficient for proper purging, this is documented in the corresponding section of the report. If hydrocarbon contaminated groundwater produced during the purging of monitor wells contains NAPL, then the purged/NAPL contaminated wastewater is stored in steel drums at the release site. ASW will not perform product recovery, in situations where the monitoring well did not have a history of groundwater containing NAPL and the site does not contain prior approved drums for storage of hydrocarbon contaminated wastewater. ASW will request to initiate product recovery in the next workplan sent to the Department order to determine if the sample from the ground water is representative of the surrounding groundwater and has not been influenced by chemical reactions within the well, ASW measured and recorded pH specific conductance and temperature during the purging of groundwater from each well prior to extracting a groundwater sample. A groundwater sample was taken when the following parameters have been stabilized pH (+/- 0.1), temperature, (+/- 0.5 oC) and specific conductance (+/- 5%) micro siemens per centimeter. Prior to purging and sampling activities, monitoring wells will be checked for the presence of non-aqueous phase liquids (NAPL) using an interface probe.

II. **SUMMARY AND CONCLUSIONS**:

One well MW-4 did not contain enough water to retrieve any samples, however there was enough water

for the interface probe to determine the depth to groundwater of the well. The four wells which contained groundwater represents the lower and upper aquifers. The upper aquifer has remained stable, where the lower indicated a sharp decline in groundwater elevation. MW-1 and MW-6 contains organic constituents but below NM Human Health Standards. MW-8 was the only well to contain organic constituents above NM Human Health Standards

Recommendation:

The aquifers in Deming and around Mimbres Basin have been declining around a foot per year. This phenomenon has been studied and measured for around a century. This is likely heavily correlated with MW-7 and MW-9 drying out three years after their installation. The gradients are currently indeterminable due to the dry wells. ASW recommends replacement wells for MW-7 and MW-9.

Robert W. Daniels

Robert Daniels PE, PG
ASW Engineering PLLC

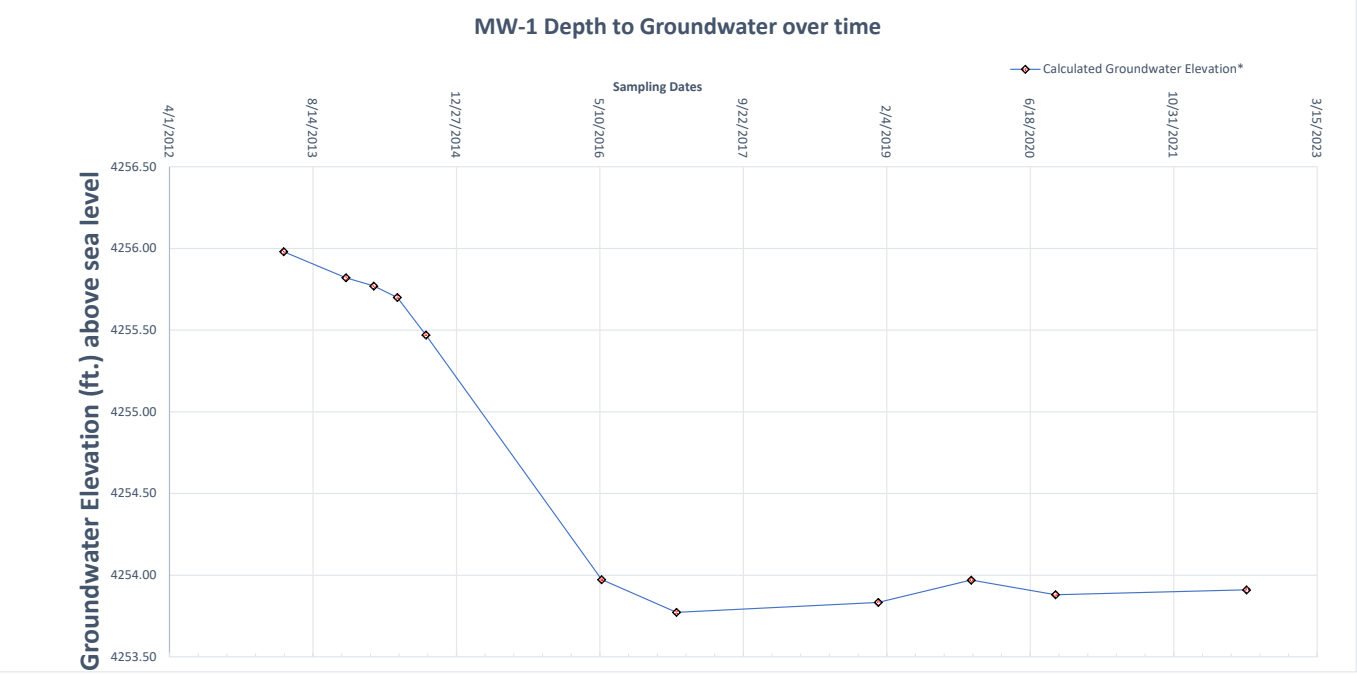
CC: Mr. Stanley Jackson

SJ Real Estate LLC

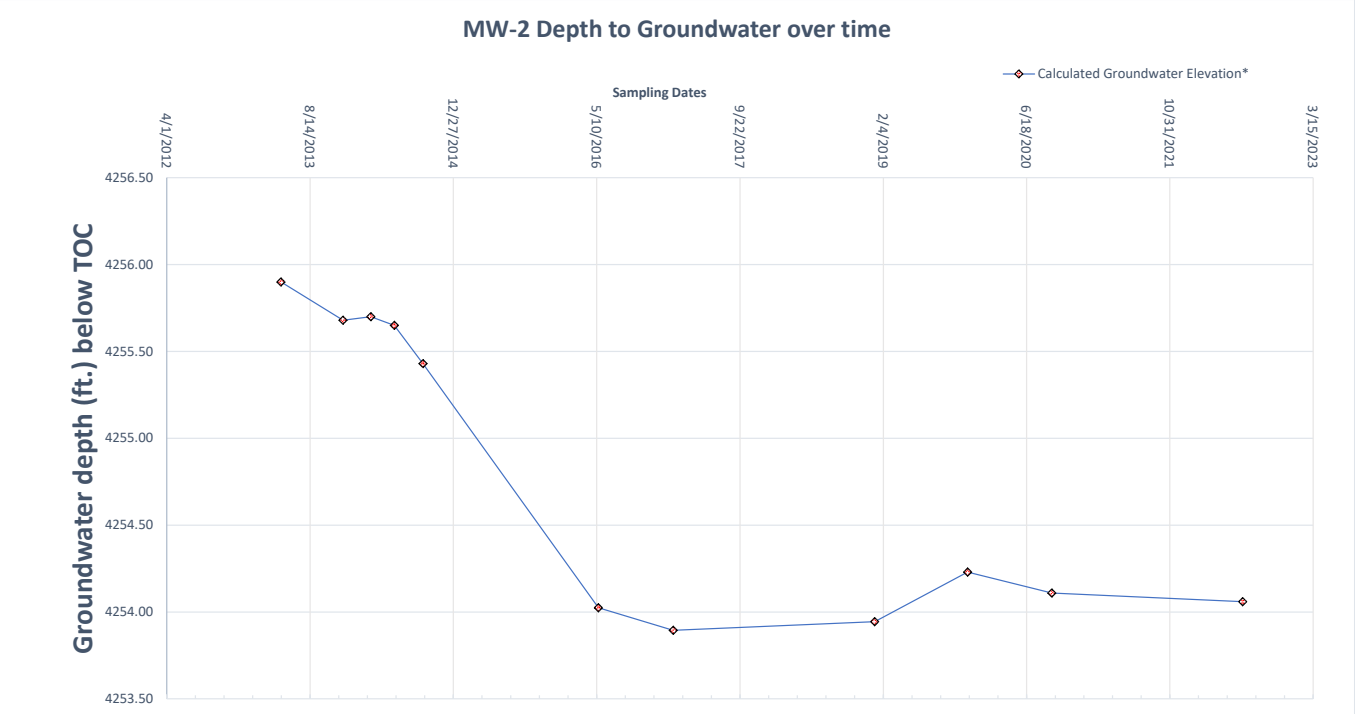
Date: 8.9.2022

Well Name	Total Depth of Well	Casing Diameter	Surveyed T.O.C. Elevation*	Date Gauged	Gauged Depth to Groundwater from T.O.C.	Calculated Groundwater Elevation*	Depth NALP from T.O.C.	NALP Thickness	Calculated NALP Elevation*	NALP Recovered	Ground Water Recovered	pH	Temp	Cond	Dissolved Oxygen	Time	Calculated Groundwater in well (ft)	Volume per foot Groundwater Times Three (Gal)	Volume Groundwater Recovered (Gal)
MW-1	106.50	2.00	4355.79	7/12/2022	101.88	4253.91	N/A	0	NO NALP	NR	NR	6 .75	84.6	637	4.51	8:07 AM	4.62	0.51	2.36
MW-2	107.00	2.00	4354.21	9/14/2020	100.15	4254.06	N/A	0	NO NALP	NR	NOT SAMPLED (7/12/2022								
MW-3	107.00	2.00	4355.16	11/25/2019	DESTROYED BY CONSTRUCTION. PLUGGED AND ABANDONED.														
MW-4	109.00	2.00	4354.42	9/14/2020	NOT SAMPLED (7/12/2022)														
MW-5	109.70	2.00	4355.11	11/25/2019	DESTROYED BY CONSTRUCTION. PLUGGED AND ABANDONED.														
MW-6	134.00	2.00	4355.00	7/12/2022	126.70	4228.30	N/A	0	NO NALP	NR	NR	7	77.9	519	8.46	9:23 AM	7.30	0.51	3.72
MW-7	134.00	2.00	4355.00	7/12/2022	DRY (7/12/2022)														
MW-8	128.50	2.00	4355.40	7/12/2022	126.96	4228.44	N/A	0	NO NALP	NR	NR	7.25	79.4	459	9.18	10:01 AM	1.54	0.51	0.79
MW-9	99.00	2.00	4355.25	7/12/2022	DRY (7/12/2022)														
A-1	`	`	4355.58	9/14/2020	NOT SAMPLED (7/12/2022)														
SMA-9	`	`	4354.22	9/14/2020	NOT SAMPLED (7/12/2022)														
SMA-14	`	`	4355.98	9/14/2020	NOT SAMPLED (7/12/2022)														
SMA-15	`	`	4353.89	9/14/2020	NOT SAMPLED (7/12/2022)														

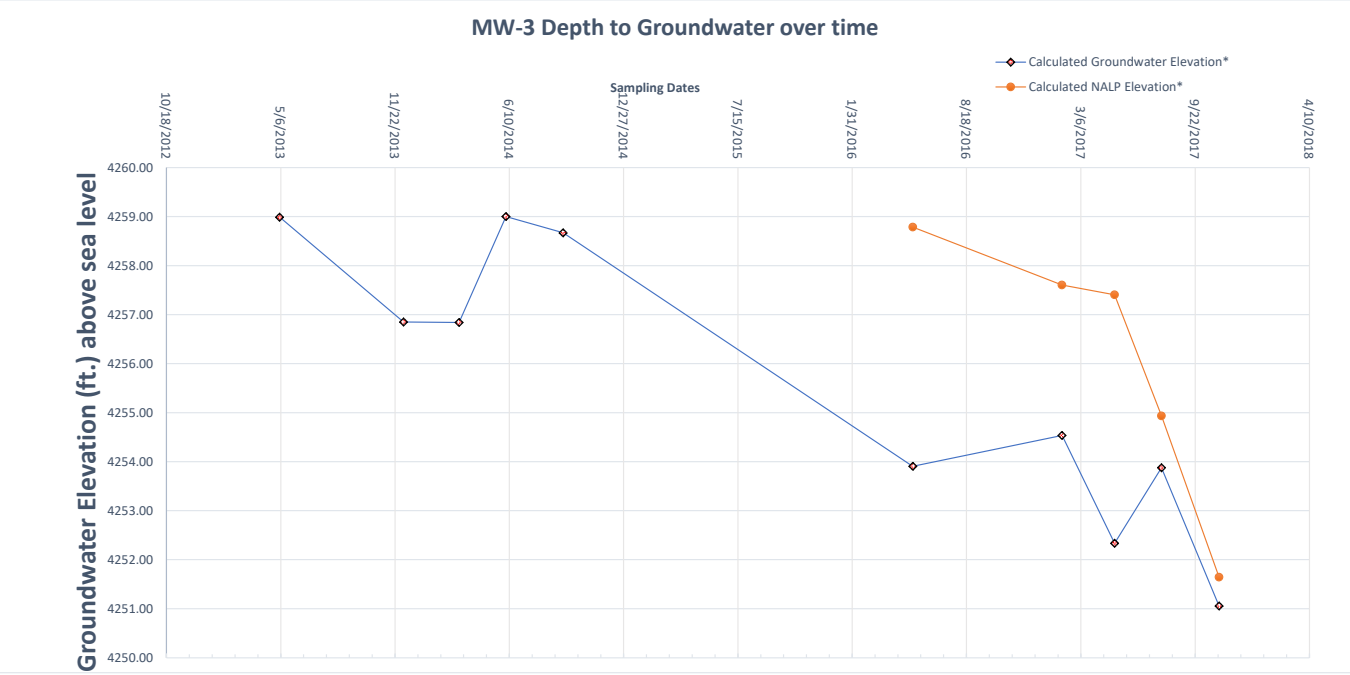
Well Name	Total Depth of Well	Casing Diameter	Surveyed T.O.C. Elevation*	Date Gauged	Gauged Depth to Groundwater from T.O.C.	Calculated Groundwater Elevation*	Depth NALP from T.O.C.	NALP Thickness	Calculated NALP Elevation*	NALP Recovered	Ground Water Recovered
MW-1	106.50	2.00	4355.99	5/4/2013	100.01	4255.98	N/A	0.00	NO NALP	NR	NR
				12/7/2013	100.17	4255.82	N/A	0.00	NO NALP	NR	NR
				3/14/2014	100.22	4255.77	N/A	0.00	NO NALP	NR	NR
				6/4/2014	100.29	4255.70	N/A	0.00	NO NALP	NR	NR
				9/12/2014	100.52	4255.47	N/A	0.00	NO NALP	NR	NR
			4355.48	5/16/2016	101.51	4253.97	N/A	0.00	NO NALP	NR	NR
				2/1/2017	101.71	4253.77	N/A	0.00	NO NALP	NR	NR
				1/5/2019	101.65	4253.83	N/A	0.00	NO NALP	NR	NR
			4355.79	11/25/2019	101.82	4253.97	N/A	0.00	NO NALP	NR	NR
				9/14/2020	101.91	4253.88	N/A	0.00	NO NALP	NR	NR
				7/12/2022	101.88	4253.91	N/A	0.00	NO NALP	NR	NR



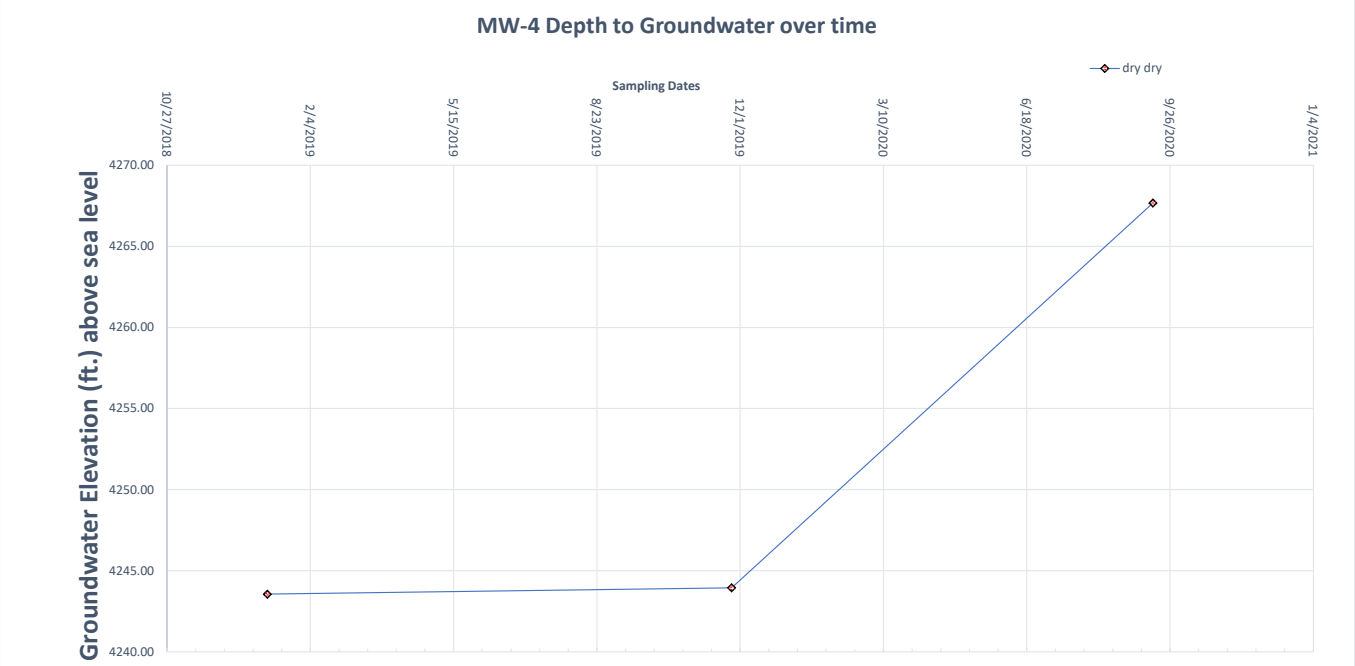
Well Name	Total Depth of Well	Casing Diameter	Surveyed T.O.C. Elevation*	Date Gauged	Gauged Depth to Groundwater from T.O.C.	Calculated Groundwater Elevation*	Depth NALP from T.O.C.	NALP Thickness	Calculated NALP Elevation*	NALP Recovered	Ground Water Recovered
MW-2	107.00	2.00	4354.36	5/4/2013	98.46	4255.90	N/A	0.00	NO NALP	NR	NR
				12/7/2013	98.68	4255.68	N/A	0.00	NO NALP	NR	NR
				3/14/2014	98.66	4255.70	N/A	0.00	NO NALP	NR	NR
				6/4/2014	98.71	4255.65	N/A	0.00	NO NALP	NR	NR
				9/12/2014	98.93	4255.43	N/A	0.00	NO NALP	NR	NR
			4353.86	5/16/2016	99.83	4254.03	N/A	0.00	NO NALP	NR	NR
				2/1/2017	99.96	4253.90	N/A	0.00	NO NALP	NR	NR
				1/5/2019	99.91	4253.95	N/A	0.00	NO NALP	NR	NR
			4354.21	11/25/2019	99.98	4254.23	N/A	0.00	NO NALP	NR	NR
				9/14/2020	100.10	4254.11	N/A	0.00	NO NALP	NR	NR
				7/12/2022	100.15	4254.06					



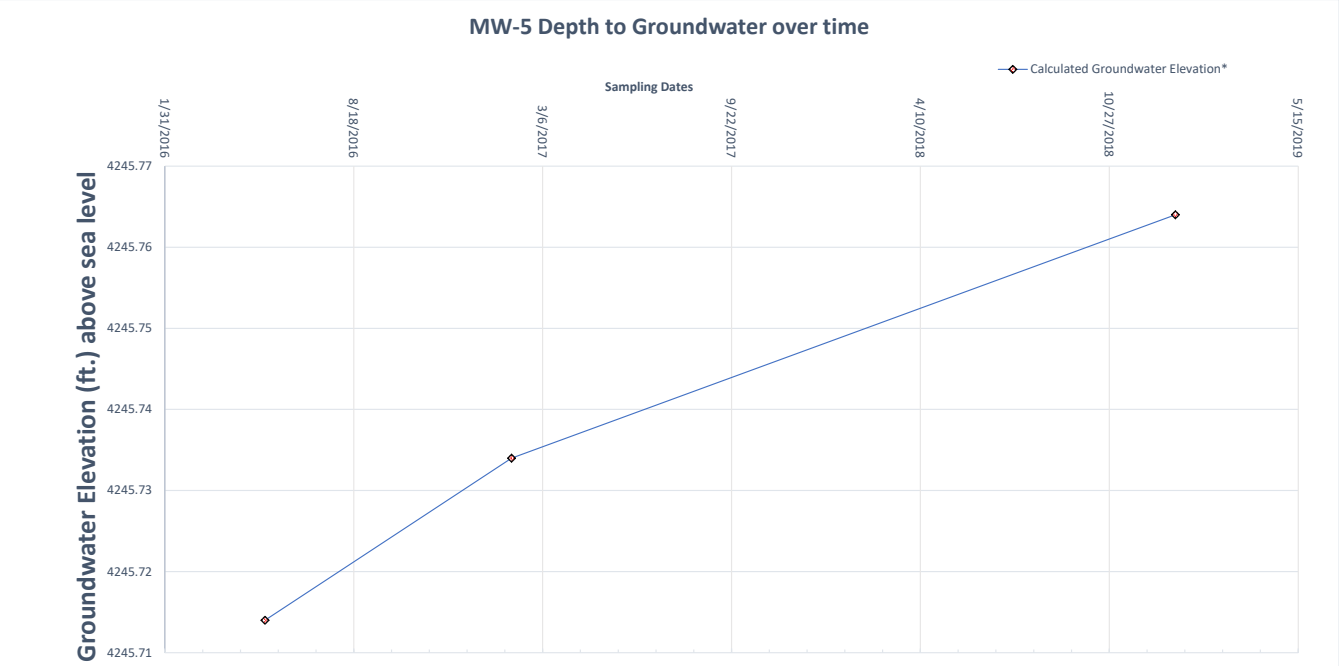
Well Name	Total Depth of Well	Casing Diameter	Surveyed T.O.C. Elevation*	Date Gauged	Gauged Depth to Groundwater from T.O.C.	Calculated Groundwater Elevation*	Depth NALP from T.O.C.	NALP Thickness	Calculated NALP Elevation*	NALP Recovered	Ground Water Recovered
MW-3	107.00	2.00	4355.71	5/4/2013	96.72	4258.99	N/A	0.00	NO NALP	NR	NR
				12/7/2013	98.86	4256.85	N/A	0.00	NO NALP	NR	NR
				3/14/2014	98.87	4256.84	N/A	0.00	NO NALP	NR	NR
				6/4/2014	96.71	4259.00	N/A	0.00	NO NALP	NR	NR
				9/12/2014	97.04	4258.67	N/A	0.00	NO NALP	NR	NR
			4355.16	5/16/2016	101.25	4253.91	96.37	4.88	4258.79	NR	NR
				2/1/2017	100.62	4254.54	97.55	3.07	4257.61	1.38	2.97
				5/4/2017	102.82	4252.34	97.75	5.07	4257.41	2.71	2.52
				7/25/2017	101.28	4253.88	100.22	1.06	4254.94	0.48	1.92
				11/3/2017	104.10	4251.06	103.51	0.59	4251.65	0.15	1.20
				11/25/2019	DESTROYED BY CONSTRUCTION			N/A	N/A	N/A	N/A



Well Name	Total Depth of Well	Casing Diameter	Surveyed T.O.C. Elevation*	Date Gauged	Gauged Depth to Groundwater from T.O.C.	Calculated Groundwater Elevation*	Depth NALP from T.O.C.	NALP Thickness	Calculated NALP Elevation*	NALP Recovered	Ground Water Recovered
ASW-MW-4	109.00	2.00	4354.42	5/16/2016	dry						
			4354.42	2/1/2017	dry						
			4354.42	1/5/2019	109.71	4243.56	N/A	0.00	N/A	NR	NR
			4354.42	11/25/2019	109.32	4243.95	N/A	0.00	N/A	NR	NR
				9/14/2020	87.58	4267.67	4267.79	0.12	4267.79	0.21	NR
	DRY (7/12/2022)										



Well Name	Total Depth of Well	Casing Diameter	Surveyed T.O.C. Elevation*	Date Gauged	Gauged Depth to Groundwater from T.O.C.	Calculated Groundwater Elevation*	Depth NALP from T.O.C.	NALP Thickness	Calculated NALP Elevation*	NALP Recovered	Ground Water Recovered
ASW-MW-5	109.70	2.00	4355.11	5/16/2016	109.40	4245.71	N/A	0.00	N/A	NR	NR
				2/1/2017	109.38	4245.73	N/A	0.00	N/A	NR	NR
				1/5/2019	109.35	4245.76	N/A	0.00	N/A	NR	NR
				11/25/2019	DESTROYED BY CONSTRUCTION						



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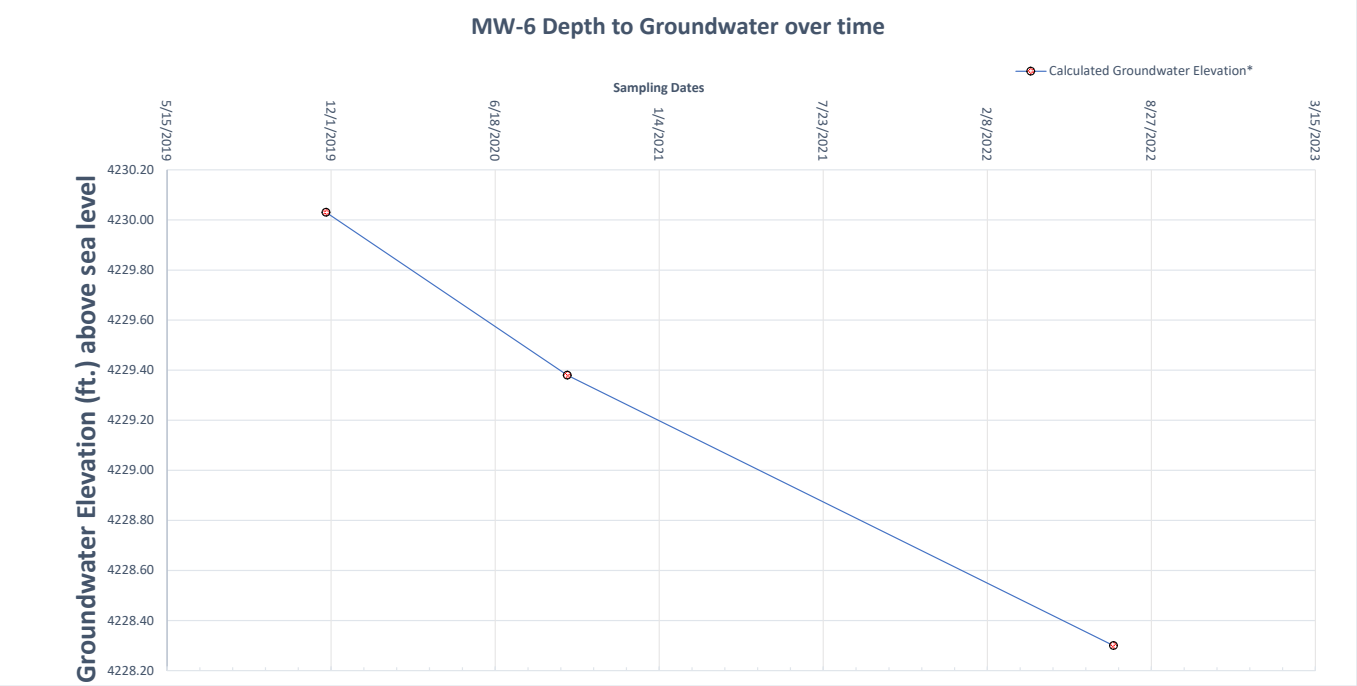
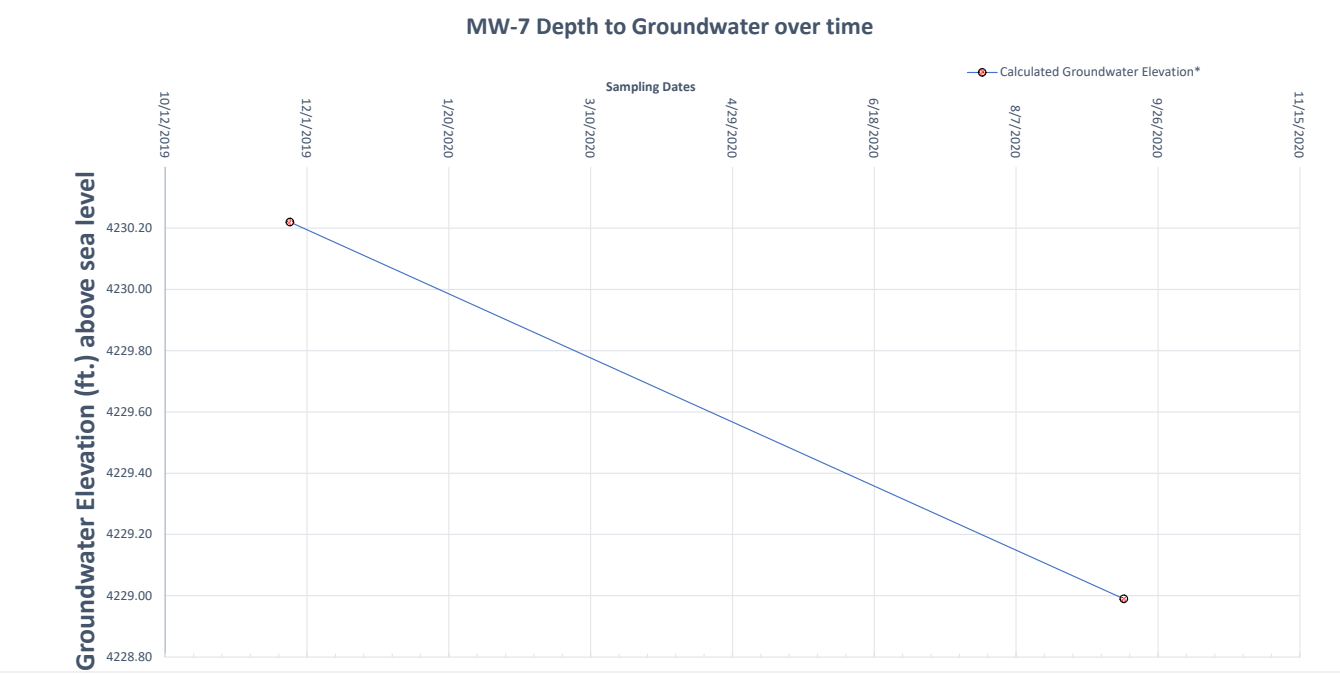
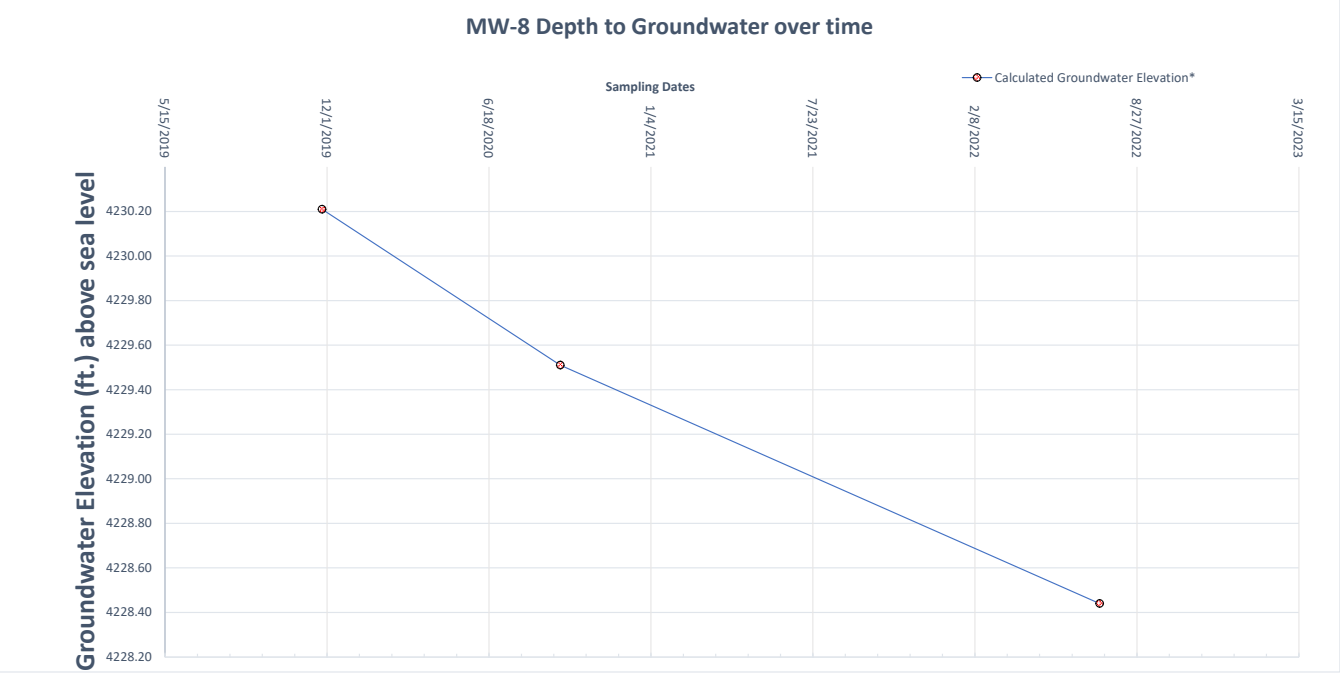
MW-6	134.00	2.00	4355.00	11/25/19	124.97	4230.03	N/A	0.00	NO NALP	NR	NR
				9/14/2020	125.62	4229.38	N/A	0.00	NO NALP	NR	NR
				7/12/2022	126.70	4228.30	N/A	0.00	NO NALP	NR	NR



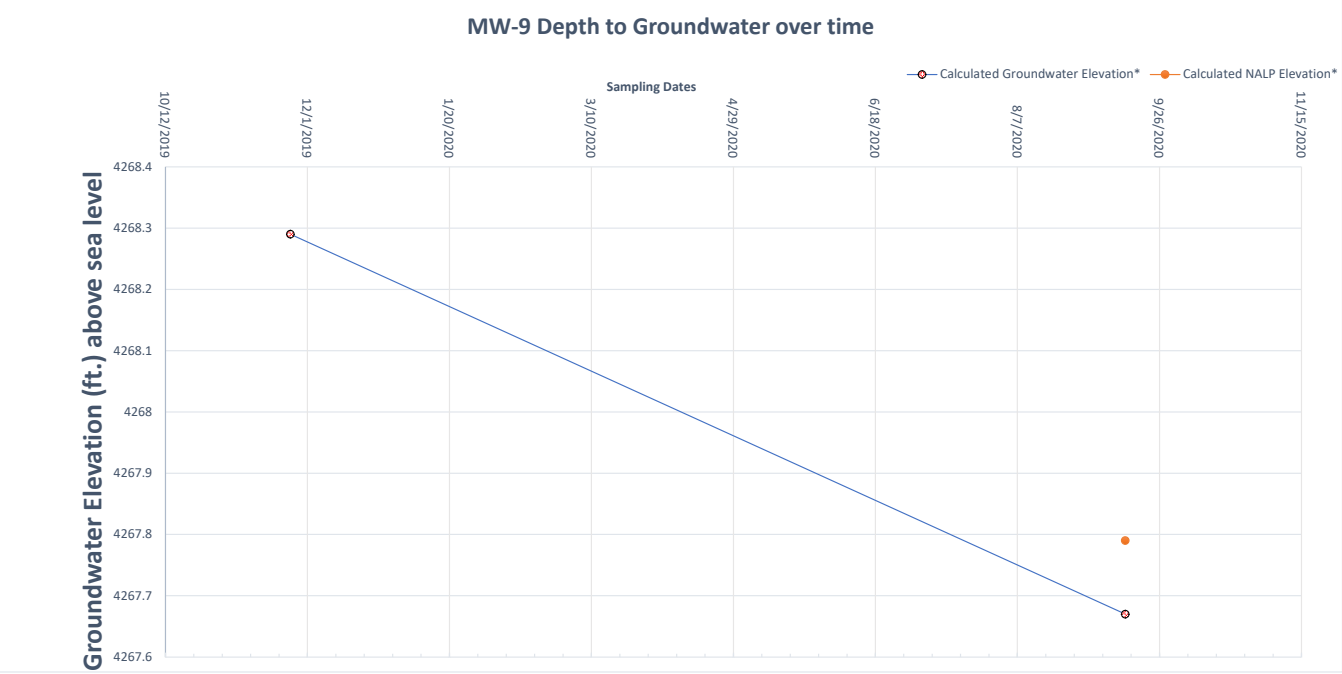
Well Name	Total Depth of Well	Casing Diameter	Surveyed T.O.C. Elevation*	Date Gauged	Gauged Depth to Groundwater from T.O.C.	Calculated Groundwater Elevation*	Depth NALP from T.O.C.	NALP Thickness	Calculated NALP Elevation*	NALP Recovered	Ground Water Recovered
MW-7	128.00	2.00	4353.57	11/25/2019	123.35	4230.22	N/A	0.00	NO NALP	NR	NR
				9/14/2020	124.58	4228.99	N/A	0.00	NO NALP	NR	NR
	DRY (7/12/2022)										
					1.23						



Well Name	Total Depth of Well	Casing Diameter	Surveyed T.O.C. Elevation*	Date Gauged	Gauged Depth to Groundwater from T.O.C.	Calculated Groundwater Elevation*	Depth from T.O.C.	NALP Thickness	Calculated NALP Elevation*	NALP Recovered	Ground Water Recovered
MW-8	128.50	2.00	4355.40	11/25/2019	125.19	4230.21	N/A	0.00	NO NALP	NR	NR
				9/14/2020	125.89	4229.51	N/A	0.00	NO NALP	NR	NR
				7/12/2022	126.96	4228.44	N/A	0.00	NO NALP	NR	NR



Well Name	Total Depth of Well	Casing Diameter	Surveyed T.O.C. Elevation*	Date Gauged	Gauged Depth to Groundwater from T.O.C.	Calculated Groundwater Elevation*	Depth NALP from T.O.C.	NALP Thickness	Calculated NALP Elevation*	NALP Recovered	Ground Water Recovered
MW-9	99	2	4355.25	11/25/2019	86.96	4268.29	N/A	0.00			
				9/14/2020	87.58	4267.67	4267.79	0.12	4267.79	0.21	NR
	DRY (7/12/2022)										



TRIANGLE TRUCK STOP

S. 12 ST.

SUBJECT SITE

WEST PINE ST.

PROPERTY LINE

FORMER PUMP ISLANDS

TANK PIT

Canopy Over Pump Islands

UST's Area pipe run

MW-1

CANO'S RESTAURANT

MW-2

ASW-MW-5-Destroyed

ASW-MW-8

ASW-MW-9

MW-3-Destroyed

ASW-MW-6

ASW-MW-4

ASW-MW-7

UTILITY CORRIDOR: CONTAINS ELECTRICAL, WATER, SEWAGE, AND GAS SUPPLY LINES

PROPERTY LINE

PROPERTY LINE

1216 W. Pine

1200 W. Pine

PROPERTY LINE

S. 11 ST.

WEST SPRUCE ST.

ABANDONED SHELL SERVICE STATION

Canopy over pump islands

UST's Area

SHELL SERVICE STATION

ASW ENGINEERING PLLC

SCALE (feet)

0 100

1 in = 50 ft

N

LEGEND

PROPERTY BOUNDARY

BUILDING

CANOPY

UST AREA

ASW # EXISTING MONITORING WELL

SMA # EXISTING MONITORING WELL

AMEC A # EXISTING MONITORING WELL

ASW # PROPOSED W/ WELLS ON CHEVRON SITE MONITORING WELL

MAP 1.
SITE MAP

DRAWN: 8-8-2022

NMED PSTB SITE
CANO'S RESTAURANT
1200 WEST PINE,
DEMING, NEW MEXICO

TRIANGLE TRUCK STOP

S. 12 ST.

SUBJECT SITE

WEST PINE ST.

PROPERTY LINE

FORMER PUMP ISLANDS

TANK PIT

Canopy Over Pump Islands

UST's Area pipe run

MW-1 Benzene=0.247 ug/L

CANO'S RESTAURANT

MW-2

ASW-MW-5-Destroyed

ASW-MW-8

MW-3-Destroyed

ASW-MW-6

Dry

ASW-MW-9

ASW-MW-4

ASW-MW-7

UTILITY CORRIDOR: CONTAINS ELECTRICAL, WATER, SEWAGE, AND GAS SUPPLY LINES

PROPERTY LINE

PROPERTY LINE

PROPERTY LINE

1216 W. Pine

1200 W. Pine

S. 11 ST.

WEST SPRUCE ST.

ABANDONED SHELL SERVICE STATION

Canopy over pump islands

UST's Area

SHELL SERVICE STATION

ASW ENGINEERING PLLC

SCALE (feet)

0 100

1 in = 50 ft

N

LEGEND

PROPERTY BOUNDARY

BUILDING

CANOPY

UST AREA

ASW # EXISTING MONITORING WELL

SMA # EXISTING MONITORING WELL

AMEC A # EXISTING MONITORING WELL

ASW # PROPOSED W/ WELLS ON CHEVRON SITE MONITORING WELL

MAP 2
GROUNDWATER CONTAMINATION MAP,
BENZENE LEVELS FROM 7-12-2022
ARE USED AS INDICATORS OF CONTAMINATION
UPPPER AQUIFER

NO EPA 8260 CONSTITUENT
ABOVE HUMAN HEALTH STANDARDS
NO COUNTOURS

DRAWN: 8-8-2022

NMED PSTB SITE
CANO'S RESTAURANT
1200 WEST PINE,
DEMING, NEW MEXICO

TRIANGLE TRUCK STOP

N

S. 12 ST.

SUBJECT SITE

WEST PINE ST.

PROPERTY LINE

FORMER PUMP ISLANDS

TANK PIT

Canopy Over Pump Islands

UST's Area pipe run

MW-1

CANO'S RESTAURANT

MW-2

ASW-MW-5-Destroyed

ASW-MW-8

MW-3-Destroyed

Benzene=1.58 ug/L

ASW-MW-6

Benzene=0.297 ug/L

ASW-MW-9

ASW-MW-4

ASW-MW-7

Dry

UTILITY CORRIDOR: CONTAINS ELECTRICAL, WATER, SEWAGE, AND GAS SUPPLY LINES

PROPERTY LINE

PROPERTY LINE

1216 W. Pine

1200 W. Pine

PROPERTY LINE

S. 11 ST.

WEST SPRUCE ST.

ABANDONED SHELL SERVICE STATION

Canopy over pump islands

UST's Area

SHELL SERVICE STATION

ASW ENGINEERING PLLC

SCALE (feet)

0 100

1 in = 50 ft

LEGEND

PROPERTY BOUNDARY

BUILDING

CANOPY

UST AREA

ASW # EXISTING MONITORING WELL

SMA # EXISTING MONITORING WELL

AMEC A # EXISTING MONITORING WELL

ASW # PROPOSED W/ WELLS ON CHEVRON SITE MONITORING WELL

MAP 3
GROUNDWATER CONTAMINATION MAP,
BENZENE LEVELS FROM 7-12-2022
ARE USED AS INDICATORS OF CONTAMINATION
LOWER AQUIFER

NO EPA 8260 CONSTITUENT
ABOVE HUMAN HEALTH STANDARDS
NO COUNTOURS

DRAWN: 8-8-2022

NMED PSTB SITE
CANO'S RESTAURANT
1200 WEST PINE,
DEMING, NEW MEXICO

WEST PINE ST.

SUBJECT SITE

PROPERTY LINE

TRIANGLE TRUCK STOP

S. 12 ST.

Canopy Over Pump Islands

UST's Area pipe run

FORMER PUMP ISLANDS

TANK PIT

MW-1
GWE (ft)= 4253.91

CANO'S RESTAURANT

MW-2
GWE (ft)= 4254.06

ASW-MW-5-Destroyed

ASW-MW-8

MW-3-Destroyed

ASW-MW-6

ASW-MW-9
DRY

ASW-MW-4 DRY

ASW-MW-7

UTILITY CORRIDOR: CONTAINS ELECTRICAL, WATER, SEWAGE, AND GAS SUPPLY LINES

PROPERTY LINE

PROPERTY LINE

S. 11 ST.

ABANDONED SHELL SERVICE STATION

Canopy over pump islands

UST's Area

SHELL SERVICE STATION

ASW
ENGINEERING PLLC

SCALE (feet)
0 100
1 in = 50 ft

1216 W. Pine

1200 W. Pine

PROPERTY LINE

WEST SPRUCE ST.

Gradient information for July 12, 2022
Gradient direction: N/A
Gradient slope: N/A

LEGEND

- PROPERTY BOUNDARY
- BUILDING
- CANOPY
- UST AREA
- ASW # — EXISTING MONITORING WELL
- SMA # — EXISTING MONITORING WELL
- AMEC A # — EXISTING MONITORING WELL
- ASW # — PROPOSED W/ WELLS ON CHEVRON SITE MONITORING WELL

MAP 4
GRADIENT MAP

AS OF 7/12/2022 THE UPPER AQUIFER
GRADIENT DIRECTION IS UNDETERMINABLE

DRAWN: 8-8-2022

NMED PSTB SITE
CANO'S RESTAURANT
1200 WEST PINE,
DEMING, NEW MEXICO

TRIANGLE TRUCK STOP

S. 12 ST.

SUBJECT SITE

WEST PINE ST.

PROPERTY LINE

FORMER PUMP ISLANDS

TANK PIT

Canopy Over Pump Islands

UST's Area pipe run

MW-1

CANO'S RESTAURANT

MW-2

ASW-MW-5-Destroyed

ASW-MW-9

ASW-MW-8

MW-3-Destroyed GWE (ft)= 4228.44

ASW-MW-6

GWE (ft)= 4228.30

ASW-MW-4

ASW-MW-7 DRY

UTILITY CORRIDOR: CONTAINS ELECTRICAL, WATER, SEWAGE, AND GAS SUPPLY LINES

PROPERTY LINE

PROPERTY LINE

S. 11 ST.

1216 W. Pine

1200 W. Pine

PROPERTY LINE

WEST SPRUCE ST.

ABANDONED SHELL SERVICE STATION

Canopy over pump islands

UST's Area

SHELL SERVICE STATION

ASW ENGINEERING PLLC

SCALE (feet)

0 100

1 in = 50 ft

N

Gradient information for July 12, 2022
Gradient direction: N/A
Gradient slope: N/A

LEGEND

PROPERTY BOUNDARY	ASW #	EXISTING MONITORING WELL
BUILDING	SMA #	EXISTING MONITORING WELL
CANOPY	AMEC A #	EXISTING MONITORING WELL
UST AREA	ASW #	PROPOSED W/ WELLS ON CHEVRON SITE MONITORING WELL

MAP 5
GRADIENT MAP

AS OF 7/12/2022 THE LOWER AQUIFER
GRADIENT DIRECTION IS UNDETERMINABLE

DRAWN: 8-8-2022

NMED PSTB SITE
CANO'S RESTAURANT
1200 WEST PINE,
DEMING, NEW MEXICO

TABLE 1 - GROUNDWATER CHEMISTRY

		METHOD 8260										METHOD 8270		METHOD 504.1
Well	**DATE**	**1,2-Dibromoethane**	**1,2-Dichloroethane**	**Benzene**	**Ethyl benzene**	**Methyl Tert-butyl Ether**	**Naphthalene**	**1-Methyl Naphthalene**	**2-Methyl Naphthalene**	**Toluene**	**Total Xylenes**	**Naphthalene2**	**Benzo (a) pyrene**	**Ethylene Dibromide 504.1/8011 after 2022**
MW-1	04/30/13	<5	<5	<5	<5	<5	5.7	7.9	9.6	13.9	<5	<5	<5	<0.00002
	12/07/13	<5	<5	<5	<5	<5	<10	<10	<10	<5	<5	NT	NT	< 0.05
	03/14/14	<5	<5	<5	<5	<5	<10	<10	<10	<5	<5	NT	NT	< 0.05
	06/04/14	<5	<5	<5	<5	<5	<10	<10	<10	<5	<5	NT	NT	< 0.05
	09/12/14	<5	<5	<5	<5	<5	<10	<10	<10	<5	<5	NT	NT	< 0.05
	05/16/16	<0.38	<0.283	0.780	<0.19	<0.198	<0.178	<5	<5	<0.147	0.670	NT	NT	NT
	11/25/19	<0.337	<0.285	<0.214	<0.146	<0.571	<2.00	<1.79	<2.05	<0.5	<0.192	NT	NT	NT
	09/14/20	<0.380	<0.283	<0.185	<0.113	<0.500	<2.00	<5.00	<5.00	<0.500	<5.00	NT	NT	NT
	07/12/22	<0.337	<0.285	0.247	<0.515	<0.571	<2.00	8.8	<2.05	<0.500	<0.330	NT	NT	<0.000351
Human Health Standards		5.0	0.05	5.0	700.0	100.0	30 combined	30 combined	30 combined	1,000		30 combined		

Well	**DATE**	**1,2-Dibromoethane**	**1,2-Dichloroethane**	**Benzene**	**Ethyl benzene**	**Methyl Tert-butyl Ether**	**Naphthalene**	**1-Methyl Naphthalene**	**2-Methyl Naphthalene**	**Toluene**	**Total Xylenes**	**Naphthalene2**	**Benzo (a) pyrene**	**Ethylene Dibromide 504.1/8011 after 2022**
MW-2	05/04/13	<5	<5	<5	<5	<5	5.7	7.9	9.9	10	<5	<5	<5	<0.02
	12/07/13	<5	<5	<5	<5	<5	<10	<10	<10	<5	<5	NT	NT	< 0.05
	03/14/14	<5	<5	<5	<5	<5	<10	<10	<10	<5	<5	NT	NT	< 0.05
	06/04/14	<5	<5	<5	<5	<5	<10	<10	<10	<5	<5	NT	NT	< 0.05
	09/12/14	<5	<5	<5	<5	<5	<10	<10	<10	<5	<5	NT	NT	< 0.05
	05/16/16	<0.38	<0.283	2.33	<0.19	<0.198	<0.178	<5	<5	<0.147	4.53	NT	NT	NT
	11/25/19	<0.337	<0.285	<0.214	<0.146	<0.571	<2	<1.79	<2.05	<0.5	<0.192	NT	NT	NT
	09/14/20	<0.380	<0.283	0.24	0.33	<0.500	<0.01	<5.00	<5.00	<0.500	<5.00	NT	NT	NT
Human Health Standards		5.0	0.05	5.0	700.0	100.0	30 combined	30 combined	30 combined	1,000		30 combined		

Well	**DATE**	**1,2-Dibromoethane**	**1,2-Dichloroethane**	**Benzene**	**Ethyl benzene**	**Methyl Tert-butyl Ether**	**Naphthalene**	**1-Methyl Naphthalene**	**2-Methyl Naphthalene**	**Toluene**	**Total Xylenes**	**Naphthalene2**	**Benzo (a) pyrene**	**Ethylene Dibromide 504.1/8011 after 2022**
MW-3	05/05/13	<5	<5	22,214	5,038	<5	1,059	755	941	78,925	<5	400	<5	0.37
	12/07/13	<5	<5	28,300	9,090	<5	944	<10	136	62,800	43,000	NT	NT	0.238
	03/14/14	<5	<5	39,800	7,940	<5	1,060	173	232	85,300	30,130	NT	NT	< 0.05
	06/04/14	<5	<5	77,900	57,100	<5	911	195	305	434,000	81,400	NT	NT	0.103
	09/12/14	<5	<5	23,200	3,190	<5	5,870	420	860	42,300	18,870	NT	NT	0.408
	05/16/16	Well contained NAPL; No Groundwater sample taken.												
	11/25/19	WELL DESTROYED BY CONSTRUCTION; PLUGGED & ABANDONED.												
Human Health Standards		5.0	0.05	5.0	700.0	100.0	30 combined	30 combined	30 combined	1,000				

Well	**DATE**	**1,2-Dibromoethane**	**1,2-Dichloroethane**	**Benzene**	**Ethyl benzene**	**Methyl Tert-butyl Ether**	**Naphthalene**	**1-Methyl Naphthalene**	**2-Methyl Naphthalene**	**Toluene**	**Total Xylenes**	**Naphthalene2**	**Benzo (a) pyrene**	**Ethylene Dibromide 504.1/8011 after 2022**
MW-4	05/16/16	Not enough water in well to extract a sample.												
	11/25/2019	Not enough water in well to extract a sample.												
	9/14/2020	Not enough water in well to extract a sample.												
Human Health Standards		5.0	0.05	5.0	700.0	100.0	30 combined	30 combined	30 combined	1,000				

Well	**DATE**	**1,2-Dibromoethane**	**1,2-Dichloroethane**	**Benzene**	**Ethyl benzene**	**Methyl Tert-butyl Ether**	**Naphthalene**	**1-Methyl Naphthalene**	**2-Methyl Naphthalene**	**Toluene**	**Total Xylenes**	**Naphthalene2**	**Benzo (a) pyrene**	**Ethylene Dibromide 504.1/8011 after 2022**
	DATE	1,2-Dibromoethane	1,2-Dichloroethane	Benzene	Ethyl benzene	Methyl Tert-butyl Ether	Naphthalene	1-Methyl Naphthalene	2-Methyl Naphthalene	Toluene	Total Xylenes	**Naphthalene**	**Benzo (a) pyrene**	Ethylene Dibromide
MW-5	05/16/16	Not enough water in well to extract a sample.												
	11/25/2019	WELL DESTROYED BY CONSTRUCTION; PLUGGED & ABANDONED.												
Human Health Standards		5.0	0.05	5.0	700.0	100.0	30 combined	30 combined	30 combined	1,000				

Red Number = Above Human Health Standards

Green Number = Above Detection Limit, But Below Human Health Standards

		METHOD 8260										METHOD 8270		METHOD 504.1
Well	**DATE**	**1,2-Dibromoethane**	**1,2-Dichloroethane**	**Benzene**	**Ethyl benzene**	**Methyl Tert-butyl Ether**	**Naphthalene**	**1-Methyl Naphthalene**	**2-Methyl Naphthalene**	**Toluene**	**Total Xylenes**	**Naphthalene2**	**Benzo (a) pyrene**	**Ethylene Dibromide 504.1/8011 after 2022**
MW-6	11/25/19	<0.337	<0.285	**37.4**	**3.53**	<0.571	**10.7**	**6.49**	**7.19**	**33**	**66.4**	NT	NT	NT
	09/14/20	<0.380	<0.283	**0.76**	**0.00433**	<0.500	**8.84**	**6.02**	**7.64**	**9.56**	**24.4**	NT	NT	NT
	07/12/22	<0.337	<0.285	**0.297**	<0.515	<0.571	<0.200	**5.51**	<2.05	<0.500	<0.330			<0.000345
Human Health Standards		5.0	0.05	5.0	700.0	100.0	30 combined			1,000				
								30 combined	30 combined					

Well	**DATE**	**1,2-Dibromoethane**	**1,2-Dichloroethane**	**Benzene**	**Ethyl benzene**	**Methyl Tert-butyl Ether**	**Naphthalene**	**1-Methyl Naphthalene**	**2-Methyl Naphthalene**	**Toluene**	**Total Xylenes**	**Naphthalene2**	**Benzo (a) pyrene**	**Ethylene Dibromide 504.1/8011 after 2022**
MW-7	11/25/19	16.5	<0.285	**24.8**	**0.19**	<0.571	<2	<1.79	<2.05	**12**	**20.6**	NT	NT	NT
	09/14/20	<0.380	<0.283	**16.5**	<0.190	<0.500	<2.00	<5.00	<5.00	**3.16**	**8.65**	NT	NT	NT
	07/12/22	Not enough water in well to extract a sample.												
Human Health Standards		5.0	0.05	5.0	700.0	100.0	30 combined	30 combined	30 combined	1,000				

Well	**DATE**	**1,2-Dibromoethane**	**1,2-Dichloroethane**	**Benzene**	**Ethyl benzene**	**Methyl Tert-butyl Ether**	**Naphthalene**	**1-Methyl Naphthalene**	**2-Methyl Naphthalene**	**Toluene**	**Total Xylenes**	**Naphthalene2**	**Benzo (a) pyrene**	**Ethylene Dibromide 504.1/8011 after 2022**
MW-8	11/25/19	<0.337	<0.285	<0.214	<0.146	<0.571	<2.00	<1.79	<2.05	<0.5	<0.192	NT	NT	NT
	09/14/20	<0.380	<0.283	**5.02**	**0.19**	<0.500	<2.00	<5.00	<5.00	**1.81**	**6.53**	NT	NT	NT
	07/12/22	<0.337	<0.285	**1.58**	<0.515	<0.571	<2.00	**4.2**	<2.05	<0.5	**1.11**			<0.000350
Human Health Standards		5.0	0.05	5.0	700.0	100.0	30 combined	30 combined	30 combined	1,000				

Well	**DATE**	**1,2-Dibromoethane**	**1,2-Dichloroethane**	**Benzene**	**Ethyl benzene**	**Methyl Tert-butyl Ether**	**Naphthalene**	**1-Methyl Naphthalene**	**2-Methyl Naphthalene**	**Toluene**	**Total Xylenes**	**Naphthalene2**	**Benzo (a) pyrene**	**Ethylene Dibromide 504.1/8011 after 2022**
MW-9	11/25/19	<8.42	<7.13	**12800**	**4290**	<14.3	**334**	**92.5**	**135**	**37000**	**18800**	NT	NT	NT
	09/14/20	Well contained NAPL; No Groundwater sample taken.												
	07/12/22	Not enough water in well to extract a sample.												
Human Health Standards		5.0	0.05	5.0	700.0	100.0	30 combined	30 combined	30 combined	1,000				

Red Number = Above Human Health Standards

Green Number = Above Detection Limit, But Below Human Health Standards

NT= not tested

Red Number = Human Health Standards

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins El Paso
200 East Sunset Rd.
Suite E
El Paso, TX 79922
Tel: (915)585-3443

Laboratory Job ID: 830-2125-1
Laboratory Sample Delivery Group: 54744
Client Project/Site: Cano's Restaurant 1200 W. Pine
Revision: 1

For:
ASW Engineering PLLC
1615 Arizona
El Paso, Texas 79902

Attn: Robert Daniels

Authorized for release by:
7/25/2022 1:15:42 PM

Debbie Simmons, Project Manager
(832)986-6768
Debbie.Simmons@et.eurofinsus.com

LINKS

Review your project results through my EOL

Have a Question? Ask The Expert

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: ASW Engineering PLLC
Project/Site: Cano's Restaurant 1200 W. Pine

Job ID: 830-2125-1
SDG: 54744

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: ASW Engineering PLLC
Project/Site: Cano's Restaurant 1200 W. Pine

Job ID: 830-2125-1
SDG: 54744

Job ID: 830-2125-1

Laboratory: Eurofins El Paso

Narrative

Job Narrative
830-2125-1

Revision
The report being provided is a revision of the original report sent on 7/19/2022. The report (revision 1) is being revised due to: per client 8011 needs to report in micrograms per liter, same as the 8260.

Receipt
The samples were received on 7/13/2022 3:03 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C

GC/MS VOA
Method 8260C: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 860-61049 recovered outside control limits for the following analytes: 2-Methylnaphthalene and 1-Methylnaphthalene.

Method 8260C: The method blank for preparation batch MB 860-611049 contained 2-Methylnaphthalene above the method detection limit (MDL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client: ASW Engineering PLLC
Project/Site: Cano's Restaurant 1200 W. Pine

Job ID: 830-2125-1
SDG: 54744

Client Sample ID: MW-1
Date Collected: 07/12/22 08:07
Date Received: 07/13/22 15:03

Lab Sample ID: 830-2125-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.327	U	1.00	0.327	ug/L			07/15/22 14:48	1
1,1,1-Trichloroethane	<0.504	U	5.00	0.504	ug/L			07/15/22 14:48	1
1,1,2,2-Tetrachloroethane	<0.284	U	1.00	0.284	ug/L			07/15/22 14:48	1
1,1,2-Trichloroethane	<0.228	U	1.00	0.228	ug/L			07/15/22 14:48	1
1,1-Dichloroethane	<0.244	U	1.00	0.244	ug/L			07/15/22 14:48	1
1,1-Dichloroethene	<0.216	U	1.00	0.216	ug/L			07/15/22 14:48	1
1,1-Dichloropropene	<0.481	U	5.00	0.481	ug/L			07/15/22 14:48	1
1,2,3-Trichlorobenzene	<2.00	U	5.00	2.00	ug/L			07/15/22 14:48	1
1,2,3-Trichloropropane	<0.283	U	1.00	0.283	ug/L			07/15/22 14:48	1
1,2,4-Trichlorobenzene	<2.00	U	5.00	2.00	ug/L			07/15/22 14:48	1
1,2,4-Trimethylbenzene	**0.280**	**J**	1.00	0.252	ug/L			07/15/22 14:48	1
1,2-Dibromo-3-Chloropropane	<0.319	U	5.00	0.319	ug/L			07/15/22 14:48	1
1,2-Dibromoethane	<0.337	U	5.00	0.337	ug/L			07/15/22 14:48	1
1,2-Dichlorobenzene	<0.236	U	1.00	0.236	ug/L			07/15/22 14:48	1
1,2-Dichloroethane	<0.285	U	1.00	0.285	ug/L			07/15/22 14:48	1
1,2-Dichloropropane	<0.396	U	5.00	0.396	ug/L			07/15/22 14:48	1
1,3,5-Trimethylbenzene	<0.279	U	1.00	0.279	ug/L			07/15/22 14:48	1
1,3-Dichlorobenzene	<0.197	U	1.00	0.197	ug/L			07/15/22 14:48	1
1,3-Dichloropropane	<0.439	U	5.00	0.439	ug/L			07/15/22 14:48	1
1,4-Dichlorobenzene	<0.199	U	1.00	0.199	ug/L			07/15/22 14:48	1
2,2-Dichloropropane	<0.360	U	5.00	0.360	ug/L			07/15/22 14:48	1
2-Chlorotoluene	<0.214	U	1.00	0.214	ug/L			07/15/22 14:48	1
2-Methylnaphthalene	<2.05	U *1	10.0	2.05	ug/L			07/15/22 14:48	1
4-Chlorotoluene	<0.183	U	1.00	0.183	ug/L			07/15/22 14:48	1
Benzene	**0.247**	**J**	1.00	0.214	ug/L			07/15/22 14:48	1
Bromobenzene	<0.300	U	1.00	0.300	ug/L			07/15/22 14:48	1
Bromochloromethane	<0.209	U	1.00	0.209	ug/L			07/15/22 14:48	1
Bromodichloromethane	<0.231	U	1.00	0.231	ug/L			07/15/22 14:48	1
Bromoform	<0.630	U	5.00	0.630	ug/L			07/15/22 14:48	1
Bromomethane	<1.05	U	5.00	1.05	ug/L			07/15/22 14:48	1
Carbon tetrachloride	<0.423	U	5.00	0.423	ug/L			07/15/22 14:48	1
Chlorobenzene	<0.159	U	1.00	0.159	ug/L			07/15/22 14:48	1
Chloroethane	<0.433	U	10.0	0.433	ug/L			07/15/22 14:48	1
Chloroform	<0.259	U	1.00	0.259	ug/L			07/15/22 14:48	1
Chloromethane	<0.318	U	10.0	0.318	ug/L			07/15/22 14:48	1
Dibromochloromethane	<0.739	U	5.00	0.739	ug/L			07/15/22 14:48	1
Dibromomethane	<0.130	U	1.00	0.130	ug/L			07/15/22 14:48	1
Dichlorodifluoromethane	<0.316	U	1.00	0.316	ug/L			07/15/22 14:48	1
Ethylbenzene	<0.515	U	1.00	0.515	ug/L			07/15/22 14:48	1
MTBE	<0.571	U	5.00	0.571	ug/L			07/15/22 14:48	1
Methylene Chloride	<1.91	U	5.00	1.91	ug/L			07/15/22 14:48	1
Naphthalene	<2.00	U	10.0	2.00	ug/L			07/15/22 14:48	1
sec-Butylbenzene	<0.199	U	1.00	0.199	ug/L			07/15/22 14:48	1
Styrene	<0.623	U	1.00	0.623	ug/L			07/15/22 14:48	1
Tetrachloroethylene	<0.500	U	1.00	0.500	ug/L			07/15/22 14:48	1
Toluene	<0.500	U	1.00	0.500	ug/L			07/15/22 14:48	1
Trichloroethene	<0.424	U	5.00	0.424	ug/L			07/15/22 14:48	1
Trichlorofluoromethane	<0.245	U	1.00	0.245	ug/L			07/15/22 14:48	1
Vinyl chloride	<0.234	U	2.00	0.234	ug/L			07/15/22 14:48	1

Client Sample ID: MW-1

Date Collected: 07/12/22 08:07
Date Received: 07/13/22 15:03

Lab Sample ID: 830-2125-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.330	U	10.0	0.330	ug/L			07/15/22 14:48	1
cis-1,2-Dichloroethene	<0.174	U	1.00	0.174	ug/L			07/15/22 14:48	1
cis-1,3-Dichloropropene	<0.690	U	5.00	0.690	ug/L			07/15/22 14:48	1
Isopropylbenzene	**2.05**		1.00	0.161	ug/L			07/15/22 14:48	1
m,p-Xylenes	<0.330	U	10.0	0.330	ug/L			07/15/22 14:48	1
n-Butylbenzene	<0.286	U	1.00	0.286	ug/L			07/15/22 14:48	1
N-Propylbenzene	<0.179	U	1.00	0.179	ug/L			07/15/22 14:48	1
o-Xylene	<0.192	U	1.00	0.192	ug/L			07/15/22 14:48	1
p-Cymene (p-Isopropyltoluene)	**0.531**	**J**	1.00	0.233	ug/L			07/15/22 14:48	1
tert-Butylbenzene	<0.195	U	1.00	0.195	ug/L			07/15/22 14:48	1
trans-1,2-Dichloroethene	<0.256	U	1.00	0.256	ug/L			07/15/22 14:48	1
trans-1,3-Dichloropropene	<0.752	U	5.00	0.752	ug/L			07/15/22 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*63 - 144*		*07/15/22 14:48*	*1*
4-Bromofluorobenzene (Surr)	*104*		*74 - 124*		*07/15/22 14:48*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 131*		*07/15/22 14:48*	*1*
Toluene-d8 (Surr)	*98*		*80 - 117*		*07/15/22 14:48*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**8.80**	**J**	10.0	1.79	ug/L			07/18/22 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*		*07/18/22 17:00*	*1*
4-Bromofluorobenzene (Surr)	*99*		*74 - 124*		*07/18/22 17:00*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 131*		*07/18/22 17:00*	*1*
Toluene-d8 (Surr)	*96*		*80 - 117*		*07/18/22 17:00*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	<0.00304	U	0.0194	0.00304	ug/L		07/15/22 13:49	07/15/22 17:09	1
1,2-Dibromoethane	<0.00351	U	0.0194	0.00351	ug/L		07/15/22 13:49	07/15/22 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*60 - 140*	*07/15/22 13:49*	*07/15/22 17:09*	*1*

Client Sample ID: MW-6

Date Collected: 07/12/22 09:25
Date Received: 07/13/22 15:03

Lab Sample ID: 830-2125-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.327	U	1.00	0.327	ug/L			07/15/22 15:08	1
1,1,1-Trichloroethane	<0.504	U	5.00	0.504	ug/L			07/15/22 15:08	1
1,1,2,2-Tetrachloroethane	<0.284	U	1.00	0.284	ug/L			07/15/22 15:08	1
1,1,2-Trichloroethane	<0.228	U	1.00	0.228	ug/L			07/15/22 15:08	1
1,1-Dichloroethane	<0.244	U	1.00	0.244	ug/L			07/15/22 15:08	1
1,1-Dichloroethene	<0.216	U	1.00	0.216	ug/L			07/15/22 15:08	1
1,1-Dichloropropene	<0.481	U	5.00	0.481	ug/L			07/15/22 15:08	1
1,2,3-Trichlorobenzene	<2.00	U	5.00	2.00	ug/L			07/15/22 15:08	1

Client Sample ID: MW-6

Date Collected: 07/12/22 09:25
Date Received: 07/13/22 15:03

Lab Sample ID: 830-2125-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.283	U	1.00	0.283	ug/L			07/15/22 15:08	1
1,2,4-Trichlorobenzene	<2.00	U	5.00	2.00	ug/L			07/15/22 15:08	1
1,2,4-Trimethylbenzene	<0.252	U	1.00	0.252	ug/L			07/15/22 15:08	1
1,2-Dibromo-3-Chloropropane	<0.319	U	5.00	0.319	ug/L			07/15/22 15:08	1
1,2-Dibromoethane	<0.337	U	5.00	0.337	ug/L			07/15/22 15:08	1
1,2-Dichlorobenzene	<0.236	U	1.00	0.236	ug/L			07/15/22 15:08	1
1,2-Dichloroethane	<0.285	U	1.00	0.285	ug/L			07/15/22 15:08	1
1,2-Dichloropropane	<0.396	U	5.00	0.396	ug/L			07/15/22 15:08	1
1,3,5-Trimethylbenzene	<0.279	U	1.00	0.279	ug/L			07/15/22 15:08	1
1,3-Dichlorobenzene	<0.197	U	1.00	0.197	ug/L			07/15/22 15:08	1
1,3-Dichloropropane	<0.439	U	5.00	0.439	ug/L			07/15/22 15:08	1
1,4-Dichlorobenzene	<0.199	U	1.00	0.199	ug/L			07/15/22 15:08	1
2,2-Dichloropropane	<0.360	U	5.00	0.360	ug/L			07/15/22 15:08	1
2-Chlorotoluene	<0.214	U	1.00	0.214	ug/L			07/15/22 15:08	1
2-Methylnaphthalene	<2.05	U *1	10.0	2.05	ug/L			07/15/22 15:08	1
4-Chlorotoluene	<0.183	U	1.00	0.183	ug/L			07/15/22 15:08	1
Benzene	**0.297**	**J**	1.00	0.214	ug/L			07/15/22 15:08	1
Bromobenzene	<0.300	U	1.00	0.300	ug/L			07/15/22 15:08	1
Bromochloromethane	<0.209	U	1.00	0.209	ug/L			07/15/22 15:08	1
Bromodichloromethane	<0.231	U	1.00	0.231	ug/L			07/15/22 15:08	1
Bromoform	<0.630	U	5.00	0.630	ug/L			07/15/22 15:08	1
Bromomethane	<1.05	U	5.00	1.05	ug/L			07/15/22 15:08	1
Carbon tetrachloride	<0.423	U	5.00	0.423	ug/L			07/15/22 15:08	1
Chlorobenzene	<0.159	U	1.00	0.159	ug/L			07/15/22 15:08	1
Chloroethane	<0.433	U	10.0	0.433	ug/L			07/15/22 15:08	1
Chloroform	<0.259	U	1.00	0.259	ug/L			07/15/22 15:08	1
Chloromethane	<0.318	U	10.0	0.318	ug/L			07/15/22 15:08	1
Dibromochloromethane	<0.739	U	5.00	0.739	ug/L			07/15/22 15:08	1
Dibromomethane	<0.130	U	1.00	0.130	ug/L			07/15/22 15:08	1
Dichlorodifluoromethane	<0.316	U	1.00	0.316	ug/L			07/15/22 15:08	1
Ethylbenzene	<0.515	U	1.00	0.515	ug/L			07/15/22 15:08	1
MTBE	<0.571	U	5.00	0.571	ug/L			07/15/22 15:08	1
Methylene Chloride	<1.91	U	5.00	1.91	ug/L			07/15/22 15:08	1
Naphthalene	<2.00	U	10.0	2.00	ug/L			07/15/22 15:08	1
sec-Butylbenzene	<0.199	U	1.00	0.199	ug/L			07/15/22 15:08	1
Styrene	<0.623	U	1.00	0.623	ug/L			07/15/22 15:08	1
Tetrachloroethylene	<0.500	U	1.00	0.500	ug/L			07/15/22 15:08	1
Toluene	<0.500	U	1.00	0.500	ug/L			07/15/22 15:08	1
Trichloroethene	<0.424	U	5.00	0.424	ug/L			07/15/22 15:08	1
Trichlorofluoromethane	<0.245	U	1.00	0.245	ug/L			07/15/22 15:08	1
Vinyl chloride	<0.234	U	2.00	0.234	ug/L			07/15/22 15:08	1
Xylenes, Total	<0.330	U	10.0	0.330	ug/L			07/15/22 15:08	1
cis-1,2-Dichloroethene	<0.174	U	1.00	0.174	ug/L			07/15/22 15:08	1
cis-1,3-Dichloropropene	<0.690	U	5.00	0.690	ug/L			07/15/22 15:08	1
Isopropylbenzene	<0.161	U	1.00	0.161	ug/L			07/15/22 15:08	1
m,p-Xylenes	<0.330	U	10.0	0.330	ug/L			07/15/22 15:08	1
n-Butylbenzene	<0.286	U	1.00	0.286	ug/L			07/15/22 15:08	1
N-Propylbenzene	<0.179	U	1.00	0.179	ug/L			07/15/22 15:08	1
o-Xylene	<0.192	U	1.00	0.192	ug/L			07/15/22 15:08	1

Client Sample ID: MW-6

Date Collected: 07/12/22 09:25
Date Received: 07/13/22 15:03

Lab Sample ID: 830-2125-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Cymene (p-Isopropyltoluene)	<0.233	U	1.00	0.233	ug/L			07/15/22 15:08	1
tert-Butylbenzene	<0.195	U	1.00	0.195	ug/L			07/15/22 15:08	1
trans-1,2-Dichloroethene	<0.256	U	1.00	0.256	ug/L			07/15/22 15:08	1
trans-1,3-Dichloropropene	<0.752	U	5.00	0.752	ug/L			07/15/22 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*		*07/15/22 15:08*	*1*
4-Bromofluorobenzene (Surr)	*103*		*74 - 124*		*07/15/22 15:08*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 131*		*07/15/22 15:08*	*1*
Toluene-d8 (Surr)	*99*		*80 - 117*		*07/15/22 15:08*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	5.11	J	10.0	1.79	ug/L			07/18/22 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*		*07/18/22 17:20*	*1*
4-Bromofluorobenzene (Surr)	*102*		*74 - 124*		*07/18/22 17:20*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 131*		*07/18/22 17:20*	*1*
Toluene-d8 (Surr)	*98*		*80 - 117*		*07/18/22 17:20*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	<0.00299	U	0.0191	0.00299	ug/L		07/15/22 13:49	07/15/22 17:37	1
1,2-Dibromoethane	<0.00345	U	0.0191	0.00345	ug/L		07/15/22 13:49	07/15/22 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*	*p*	*60 - 140*	*07/15/22 13:49*	*07/15/22 17:37*	*1*

Client Sample ID: MW-8

Date Collected: 07/12/22 10:32
Date Received: 07/13/22 15:03

Lab Sample ID: 830-2125-3

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.327	U	1.00	0.327	ug/L			07/15/22 15:29	1
1,1,1-Trichloroethane	<0.504	U	5.00	0.504	ug/L			07/15/22 15:29	1
1,1,2,2-Tetrachloroethane	<0.284	U	1.00	0.284	ug/L			07/15/22 15:29	1
1,1,2-Trichloroethane	<0.228	U	1.00	0.228	ug/L			07/15/22 15:29	1
1,1-Dichloroethane	<0.244	U	1.00	0.244	ug/L			07/15/22 15:29	1
1,1-Dichloroethene	<0.216	U	1.00	0.216	ug/L			07/15/22 15:29	1
1,1-Dichloropropene	<0.481	U	5.00	0.481	ug/L			07/15/22 15:29	1
1,2,3-Trichlorobenzene	<2.00	U	5.00	2.00	ug/L			07/15/22 15:29	1
1,2,3-Trichloropropane	<0.283	U	1.00	0.283	ug/L			07/15/22 15:29	1
1,2,4-Trichlorobenzene	<2.00	U	5.00	2.00	ug/L			07/15/22 15:29	1
1,2,4-Trimethylbenzene	<0.252	U	1.00	0.252	ug/L			07/15/22 15:29	1
1,2-Dibromo-3-Chloropropane	<0.319	U	5.00	0.319	ug/L			07/15/22 15:29	1
1,2-Dibromoethane	<0.337	U	5.00	0.337	ug/L			07/15/22 15:29	1
1,2-Dichlorobenzene	<0.236	U	1.00	0.236	ug/L			07/15/22 15:29	1
1,2-Dichloroethane	<0.285	U	1.00	0.285	ug/L			07/15/22 15:29	1
1,2-Dichloropropane	<0.396	U	5.00	0.396	ug/L			07/15/22 15:29	1

Client: ASW Engineering PLLC
Project/Site: Cano's Restaurant 1200 W. Pine

Job ID: 830-2125-1
SDG: 54744

Client Sample ID: MW-8
Date Collected: 07/12/22 10:32
Date Received: 07/13/22 15:03

Lab Sample ID: 830-2125-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<0.279	U	1.00	0.279	ug/L			07/15/22 15:29	1
1,3-Dichlorobenzene	<0.197	U	1.00	0.197	ug/L			07/15/22 15:29	1
1,3-Dichloropropane	<0.439	U	5.00	0.439	ug/L			07/15/22 15:29	1
1,4-Dichlorobenzene	<0.199	U	1.00	0.199	ug/L			07/15/22 15:29	1
2,2-Dichloropropane	<0.360	U	5.00	0.360	ug/L			07/15/22 15:29	1
2-Chlorotoluene	<0.214	U	1.00	0.214	ug/L			07/15/22 15:29	1
4-Chlorotoluene	<0.183	U	1.00	0.183	ug/L			07/15/22 15:29	1
Benzene	**1.58**		1.00	0.214	ug/L			07/15/22 15:29	1
Bromobenzene	<0.300	U	1.00	0.300	ug/L			07/15/22 15:29	1
Bromochloromethane	<0.209	U	1.00	0.209	ug/L			07/15/22 15:29	1
Bromodichloromethane	<0.231	U	1.00	0.231	ug/L			07/15/22 15:29	1
Bromoform	<0.630	U	5.00	0.630	ug/L			07/15/22 15:29	1
Bromomethane	<1.05	U	5.00	1.05	ug/L			07/15/22 15:29	1
Carbon tetrachloride	<0.423	U	5.00	0.423	ug/L			07/15/22 15:29	1
Chlorobenzene	<0.159	U	1.00	0.159	ug/L			07/15/22 15:29	1
Chloroethane	<0.433	U	10.0	0.433	ug/L			07/15/22 15:29	1
Chloroform	<0.259	U	1.00	0.259	ug/L			07/15/22 15:29	1
Chloromethane	<0.318	U	10.0	0.318	ug/L			07/15/22 15:29	1
Dibromochloromethane	<0.739	U	5.00	0.739	ug/L			07/15/22 15:29	1
Dibromomethane	<0.130	U	1.00	0.130	ug/L			07/15/22 15:29	1
Dichlorodifluoromethane	<0.316	U	1.00	0.316	ug/L			07/15/22 15:29	1
Ethylbenzene	<0.515	U	1.00	0.515	ug/L			07/15/22 15:29	1
MTBE	<0.571	U	5.00	0.571	ug/L			07/15/22 15:29	1
Methylene Chloride	<1.91	U	5.00	1.91	ug/L			07/15/22 15:29	1
Naphthalene	<2.00	U	10.0	2.00	ug/L			07/15/22 15:29	1
sec-Butylbenzene	<0.199	U	1.00	0.199	ug/L			07/15/22 15:29	1
Styrene	<0.623	U	1.00	0.623	ug/L			07/15/22 15:29	1
Tetrachloroethylene	<0.500	U	1.00	0.500	ug/L			07/15/22 15:29	1
Toluene	<0.500	U	1.00	0.500	ug/L			07/15/22 15:29	1
Trichloroethene	<0.424	U	5.00	0.424	ug/L			07/15/22 15:29	1
Trichlorofluoromethane	<0.245	U	1.00	0.245	ug/L			07/15/22 15:29	1
Vinyl chloride	<0.234	U	2.00	0.234	ug/L			07/15/22 15:29	1
Xylenes, Total	**1.11**	**J**	10.0	0.330	ug/L			07/15/22 15:29	1
cis-1,2-Dichloroethene	<0.174	U	1.00	0.174	ug/L			07/15/22 15:29	1
cis-1,3-Dichloropropene	<0.690	U	5.00	0.690	ug/L			07/15/22 15:29	1
Isopropylbenzene	**0.302**	**J**	1.00	0.161	ug/L			07/15/22 15:29	1
m,p-Xylenes	**1.11**	**J**	10.0	0.330	ug/L			07/15/22 15:29	1
n-Butylbenzene	<0.286	U	1.00	0.286	ug/L			07/15/22 15:29	1
N-Propylbenzene	<0.179	U	1.00	0.179	ug/L			07/15/22 15:29	1
o-Xylene	<0.192	U	1.00	0.192	ug/L			07/15/22 15:29	1
p-Cymene (p-Isopropyltoluene)	<0.233	U	1.00	0.233	ug/L			07/15/22 15:29	1
tert-Butylbenzene	<0.195	U	1.00	0.195	ug/L			07/15/22 15:29	1
trans-1,2-Dichloroethene	<0.256	U	1.00	0.256	ug/L			07/15/22 15:29	1
trans-1,3-Dichloropropene	<0.752	U	5.00	0.752	ug/L			07/15/22 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*63 - 144*		*07/15/22 15:29*	*1*
4-Bromofluorobenzene (Surr)	*103*		*74 - 124*		*07/15/22 15:29*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 131*		*07/15/22 15:29*	*1*
Toluene-d8 (Surr)	*100*		*80 - 117*		*07/15/22 15:29*	*1*

Client Sample Results

Client: ASW Engineering PLLC
Project/Site: Cano's Restaurant 1200 W. Pine

Job ID: 830-2125-1
SDG: 54744

Client Sample ID: MW-8

Date Collected: 07/12/22 10:32
Date Received: 07/13/22 15:03

Lab Sample ID: 830-2125-3

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	4.20	J	10.0	1.79	ug/L			07/18/22 17:41	1
2-Methylnaphthalene	<2.05	U	10.0	2.05	ug/L			07/18/22 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*63 - 144*		*07/18/22 17:41*	*1*
4-Bromofluorobenzene (Surr)	*101*		*74 - 124*		*07/18/22 17:41*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 131*		*07/18/22 17:41*	*1*
Toluene-d8 (Surr)	*98*		*80 - 117*		*07/18/22 17:41*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	<0.00304	U	0.0193	0.00304	ug/L		07/15/22 13:49	07/15/22 17:51	1
1,2-Dibromoethane	<0.00350	U	0.0193	0.00350	ug/L		07/15/22 13:49	07/15/22 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*60 - 140*	*07/15/22 13:49*	*07/15/22 17:51*	*1*

Surrogate Summary

Client: ASW Engineering PLLC
Project/Site: Cano's Restaurant 1200 W. Pine

Job ID: 830-2125-1
SDG: 54744

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(63-144)	(74-124)	(75-131)	(80-117)
830-2125-1	MW-1	101	104	102	98
830-2125-1 - RA	MW-1	100	99	101	96
830-2125-2	MW-6	100	103	101	99
830-2125-2 - RA	MW-6	100	102	103	98
830-2125-3	MW-8	101	103	100	100
830-2125-3 - RA	MW-8	101	101	103	98
LCS 860-61049/3	Lab Control Sample	99	98	103	97
LCS 860-61306/3	Lab Control Sample	97	97	103	96
LCSD 860-61049/4	Lab Control Sample Dup	99	98	101	98
LCSD 860-61306/4	Lab Control Sample Dup	98	98	103	96
MB 860-61049/11	Method Blank	100	103	101	100
MB 860-61306/11	Method Blank	99	101	103	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(60-140)
830-2125-1	MW-1	102
830-2125-1 MS	MW-1	94
830-2125-2	MW-6	88 p
830-2125-3	MW-8	102
LCS 860-61171/2-A	Lab Control Sample	99 p
LCSD 860-61171/3-A	Lab Control Sample Dup	103
MB 860-61171/1-A	Method Blank	97 p

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 860-61049/11
Matrix: Water
Analysis Batch: 61049

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.327	U	1.00	0.327	ug/L			07/15/22 12:45	1
1,1,1-Trichloroethane	<0.504	U	5.00	0.504	ug/L			07/15/22 12:45	1
1,1,2,2-Tetrachloroethane	<0.284	U	1.00	0.284	ug/L			07/15/22 12:45	1
1,1,2-Trichloroethane	<0.228	U	1.00	0.228	ug/L			07/15/22 12:45	1
1,1-Dichloroethane	<0.244	U	1.00	0.244	ug/L			07/15/22 12:45	1
1,1-Dichloroethene	<0.216	U	1.00	0.216	ug/L			07/15/22 12:45	1
1,1-Dichloropropene	<0.481	U	5.00	0.481	ug/L			07/15/22 12:45	1
1,2,3-Trichlorobenzene	<2.00	U	5.00	2.00	ug/L			07/15/22 12:45	1
1,2,3-Trichloropropane	<0.283	U	1.00	0.283	ug/L			07/15/22 12:45	1
1,2,4-Trichlorobenzene	<2.00	U	5.00	2.00	ug/L			07/15/22 12:45	1
1,2,4-Trimethylbenzene	<0.252	U	1.00	0.252	ug/L			07/15/22 12:45	1
1,2-Dibromo-3-Chloropropane	<0.319	U	5.00	0.319	ug/L			07/15/22 12:45	1
1,2-Dibromoethane	<0.337	U	5.00	0.337	ug/L			07/15/22 12:45	1
1,2-Dichlorobenzene	<0.236	U	1.00	0.236	ug/L			07/15/22 12:45	1
1,2-Dichloroethane	<0.285	U	1.00	0.285	ug/L			07/15/22 12:45	1
1,2-Dichloropropane	<0.396	U	5.00	0.396	ug/L			07/15/22 12:45	1
1,3,5-Trimethylbenzene	<0.279	U	1.00	0.279	ug/L			07/15/22 12:45	1
1,3-Dichlorobenzene	<0.197	U	1.00	0.197	ug/L			07/15/22 12:45	1
1,3-Dichloropropane	<0.439	U	5.00	0.439	ug/L			07/15/22 12:45	1
1,4-Dichlorobenzene	<0.199	U	1.00	0.199	ug/L			07/15/22 12:45	1
2,2-Dichloropropane	<0.360	U	5.00	0.360	ug/L			07/15/22 12:45	1
2-Chlorotoluene	<0.214	U	1.00	0.214	ug/L			07/15/22 12:45	1
2-Methylnaphthalene	5.901	J	10.0	2.05	ug/L			07/15/22 12:45	1
4-Chlorotoluene	<0.183	U	1.00	0.183	ug/L			07/15/22 12:45	1
Benzene	<0.214	U	1.00	0.214	ug/L			07/15/22 12:45	1
Bromobenzene	<0.300	U	1.00	0.300	ug/L			07/15/22 12:45	1
Bromochloromethane	<0.209	U	1.00	0.209	ug/L			07/15/22 12:45	1
Bromodichloromethane	<0.231	U	1.00	0.231	ug/L			07/15/22 12:45	1
Bromoform	<0.630	U	5.00	0.630	ug/L			07/15/22 12:45	1
Bromomethane	<1.05	U	5.00	1.05	ug/L			07/15/22 12:45	1
Carbon tetrachloride	<0.423	U	5.00	0.423	ug/L			07/15/22 12:45	1
Chlorobenzene	<0.159	U	1.00	0.159	ug/L			07/15/22 12:45	1
Chloroethane	<0.433	U	10.0	0.433	ug/L			07/15/22 12:45	1
Chloroform	<0.259	U	1.00	0.259	ug/L			07/15/22 12:45	1
Chloromethane	<0.318	U	10.0	0.318	ug/L			07/15/22 12:45	1
Dibromochloromethane	<0.739	U	5.00	0.739	ug/L			07/15/22 12:45	1
Dibromomethane	<0.130	U	1.00	0.130	ug/L			07/15/22 12:45	1
Dichlorodifluoromethane	<0.316	U	1.00	0.316	ug/L			07/15/22 12:45	1
Ethylbenzene	<0.515	U	1.00	0.515	ug/L			07/15/22 12:45	1
MTBE	<0.571	U	5.00	0.571	ug/L			07/15/22 12:45	1
Methylene Chloride	<1.91	U	5.00	1.91	ug/L			07/15/22 12:45	1
Naphthalene	<2.00	U	10.0	2.00	ug/L			07/15/22 12:45	1
sec-Butylbenzene	<0.199	U	1.00	0.199	ug/L			07/15/22 12:45	1
Styrene	<0.623	U	1.00	0.623	ug/L			07/15/22 12:45	1
Tetrachloroethylene	<0.500	U	1.00	0.500	ug/L			07/15/22 12:45	1
Toluene	<0.500	U	1.00	0.500	ug/L			07/15/22 12:45	1
Trichloroethene	<0.424	U	5.00	0.424	ug/L			07/15/22 12:45	1
Trichlorofluoromethane	<0.245	U	1.00	0.245	ug/L			07/15/22 12:45	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 860-61049/11
Matrix: Water
Analysis Batch: 61049

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<0.234	U	2.00	0.234	ug/L			07/15/22 12:45	1
Xylenes, Total	<0.330	U	10.0	0.330	ug/L			07/15/22 12:45	1
cis-1,2-Dichloroethene	<0.174	U	1.00	0.174	ug/L			07/15/22 12:45	1
cis-1,3-Dichloropropene	<0.690	U	5.00	0.690	ug/L			07/15/22 12:45	1
Isopropylbenzene	<0.161	U	1.00	0.161	ug/L			07/15/22 12:45	1
m,p-Xylenes	<0.330	U	10.0	0.330	ug/L			07/15/22 12:45	1
n-Butylbenzene	<0.286	U	1.00	0.286	ug/L			07/15/22 12:45	1
N-Propylbenzene	<0.179	U	1.00	0.179	ug/L			07/15/22 12:45	1
o-Xylene	<0.192	U	1.00	0.192	ug/L			07/15/22 12:45	1
p-Cymene (p-Isopropyltoluene)	<0.233	U	1.00	0.233	ug/L			07/15/22 12:45	1
tert-Butylbenzene	<0.195	U	1.00	0.195	ug/L			07/15/22 12:45	1
trans-1,2-Dichloroethene	<0.256	U	1.00	0.256	ug/L			07/15/22 12:45	1
trans-1,3-Dichloropropene	<0.752	U	5.00	0.752	ug/L			07/15/22 12:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*		*07/15/22 12:45*	*1*
4-Bromofluorobenzene (Surr)	*103*		*74 - 124*		*07/15/22 12:45*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 131*		*07/15/22 12:45*	*1*
Toluene-d8 (Surr)	*100*		*80 - 117*		*07/15/22 12:45*	*1*

Lab Sample ID: LCS 860-61049/3
Matrix: Water
Analysis Batch: 61049

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	55.01		ug/L		110	72 - 125
1,1,1-Trichloroethane	50.0	57.72		ug/L		115	75 - 125
1,1,2,2-Tetrachloroethane	50.0	51.22		ug/L		102	74 - 125
1,1,2-Trichloroethane	50.0	53.56		ug/L		107	75 - 127
1,1-Dichloroethane	50.0	58.06		ug/L		116	72 - 125
1,1-Dichloroethene	50.0	59.60		ug/L		119	59 - 172
1,1-Dichloropropene	50.0	58.04		ug/L		116	75 - 125
1,2,3-Trichlorobenzene	50.0	53.87		ug/L		108	75 - 137
1,2,3-Trichloropropane	50.0	49.07		ug/L		98	75 - 125
1,2,4-Trichlorobenzene	50.0	56.36		ug/L		113	75 - 135
1,2,4-Trimethylbenzene	50.0	55.27		ug/L		111	75 - 125
1,2-Dibromo-3-Chloropropane	50.0	49.53		ug/L		99	59 - 125
1,2-Dibromoethane	50.0	53.73		ug/L		107	73 - 125
1,2-Dichlorobenzene	50.0	54.05		ug/L		108	75 - 125
1,2-Dichloroethane	50.0	54.89		ug/L		110	68 - 127
1,2-Dichloropropane	50.0	56.39		ug/L		113	74 - 125
1,3,5-Trimethylbenzene	50.0	54.50		ug/L		109	60 - 140
1,3-Dichlorobenzene	50.0	54.98		ug/L		110	75 - 125
1,3-Dichloropropane	50.0	53.32		ug/L		107	75 - 125
1,4-Dichlorobenzene	50.0	54.45		ug/L		109	75 - 125
1-Methylnaphthalene	50.0	45.86		ug/L		92	75 - 199
2,2-Dichloropropane	50.0	58.13		ug/L		116	75 - 125
2-Chlorotoluene	50.0	54.57		ug/L		109	73 - 125

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 860-61049/3
Matrix: Water
Analysis Batch: 61049

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	50.0	44.94		ug/L		90	75 - 125
4-Chlorotoluene	50.0	54.62		ug/L		109	74 - 125
Benzene	50.0	56.67		ug/L		113	66 - 142
Bromobenzene	50.0	54.97		ug/L		110	75 - 125
Bromochloromethane	50.0	57.54		ug/L		115	60 - 140
Bromodichloromethane	50.0	56.37		ug/L		113	75 - 125
Bromoform	50.0	55.60		ug/L		111	75 - 125
Bromomethane	50.0	50.22		ug/L		100	60 - 140
Carbon tetrachloride	50.0	50.84		ug/L		102	62 - 125
Chlorobenzene	50.0	55.21		ug/L		110	60 - 133
Chloroethane	50.0	57.77		ug/L		116	60 - 140
Chloroform	50.0	57.59		ug/L		115	70 - 130
Chloromethane	50.0	52.14		ug/L		104	60 - 140
Dibromochloromethane	50.0	54.54		ug/L		109	73 - 125
Dibromomethane	50.0	54.16		ug/L		108	69 - 127
Dichlorodifluoromethane	50.0	56.29		ug/L		113	70 - 130
Ethylbenzene	50.0	55.72		ug/L		111	75 - 125
MTBE	50.0	54.15		ug/L		108	65 - 135
Methylene Chloride	50.0	53.74		ug/L		107	75 - 125
Naphthalene	50.0	53.72		ug/L		107	70 - 130
sec-Butylbenzene	50.0	55.00		ug/L		110	75 - 125
Styrene	50.0	56.41		ug/L		113	75 - 125
Tetrachloroethylene	50.0	56.08		ug/L		112	71 - 125
Toluene	50.0	54.99		ug/L		110	59 - 139
Trichloroethene	50.0	57.10		ug/L		114	62 - 137
Trichlorofluoromethane	50.0	56.36		ug/L		113	60 - 140
Vinyl chloride	50.0	55.40		ug/L		111	60 - 140
cis-1,2-Dichloroethene	50.0	57.64		ug/L		115	75 - 125
cis-1,3-Dichloropropene	50.0	56.12		ug/L		112	74 - 125
Isopropylbenzene	50.0	56.31		ug/L		113	75 - 125
m,p-Xylenes	50.0	55.19		ug/L		110	75 - 125
n-Butylbenzene	50.0	55.12		ug/L		110	75 - 125
N-Propylbenzene	50.0	55.16		ug/L		110	75 - 125
o-Xylene	50.0	54.85		ug/L		110	75 - 125
p-Cymene (p-Isopropyltoluene)	50.0	55.03		ug/L		110	75 - 125
tert-Butylbenzene	50.0	54.29		ug/L		109	75 - 125
trans-1,2-Dichloroethene	50.0	57.30		ug/L		115	75 - 125
trans-1,3-Dichloropropene	50.0	54.79		ug/L		110	66 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*63 - 144*
4-Bromofluorobenzene (Surr)	*98*		*74 - 124*
Dibromofluoromethane (Surr)	*103*		*75 - 131*
Toluene-d8 (Surr)	*97*		*80 - 117*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-61049/4
Matrix: Water
Analysis Batch: 61049

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			50.0	53.80		ug/L		108	72 - 125	2	25
1,1,1-Trichloroethane			50.0	55.20		ug/L		110	75 - 125	4	25
1,1,2,2-Tetrachloroethane			50.0	53.98		ug/L		108	74 - 125	5	25
1,1,2-Trichloroethane			50.0	53.59		ug/L		107	75 - 127	0	25
1,1-Dichloroethane			50.0	55.10		ug/L		110	72 - 125	5	25
1,1-Dichloroethene			50.0	55.93		ug/L		112	59 - 172	6	25
1,1-Dichloropropene			50.0	53.72		ug/L		107	75 - 125	8	25
1,2,3-Trichlorobenzene			50.0	61.12		ug/L		122	75 - 137	13	25
1,2,3-Trichloropropane			50.0	52.26		ug/L		105	75 - 125	6	25
1,2,4-Trichlorobenzene			50.0	59.43		ug/L		119	75 - 135	5	25
1,2,4-Trimethylbenzene			50.0	52.89		ug/L		106	75 - 125	4	25
1,2-Dibromo-3-Chloropropane			50.0	58.87		ug/L		118	59 - 125	17	25
1,2-Dibromoethane			50.0	54.44		ug/L		109	73 - 125	1	25
1,2-Dichlorobenzene			50.0	53.69		ug/L		107	75 - 125	1	25
1,2-Dichloroethane			50.0	53.71		ug/L		107	68 - 127	2	25
1,2-Dichloropropane			50.0	54.75		ug/L		109	74 - 125	3	25
1,3,5-Trimethylbenzene			50.0	53.01		ug/L		106	60 - 140	3	25
1,3-Dichlorobenzene			50.0	53.46		ug/L		107	75 - 125	3	25
1,3-Dichloropropane			50.0	53.66		ug/L		107	75 - 125	1	25
1,4-Dichlorobenzene			50.0	52.95		ug/L		106	75 - 125	3	25
1-Methylnaphthalene			50.0	64.82	*1	ug/L		130	75 - 199	34	25
2,2-Dichloropropane			50.0	55.35		ug/L		111	75 - 125	5	25
2-Chlorotoluene			50.0	52.15		ug/L		104	73 - 125	5	25
2-Methylnaphthalene			50.0	61.54	*1	ug/L		123	75 - 125	31	25
4-Chlorotoluene			50.0	52.56		ug/L		105	74 - 125	4	25
Benzene			50.0	54.41		ug/L		109	66 - 142	4	25
Bromobenzene			50.0	53.39		ug/L		107	75 - 125	3	25
Bromochloromethane			50.0	55.47		ug/L		111	60 - 140	4	25
Bromodichloromethane			50.0	55.03		ug/L		110	75 - 125	2	25
Bromoform			50.0	57.13		ug/L		114	75 - 125	3	25
Bromomethane			50.0	47.66		ug/L		95	60 - 140	5	25
Carbon tetrachloride			50.0	47.49		ug/L		95	62 - 125	7	25
Chlorobenzene			50.0	53.24		ug/L		106	60 - 133	4	25
Chloroethane			50.0	44.94		ug/L		90	60 - 140	25	25
Chloroform			50.0	55.96		ug/L		112	70 - 130	3	25
Chloromethane			50.0	49.16		ug/L		98	60 - 140	6	25
Dibromochloromethane			50.0	55.21		ug/L		110	73 - 125	1	25
Dibromomethane			50.0	53.70		ug/L		107	69 - 127	1	25
Dichlorodifluoromethane			50.0	51.13		ug/L		102	70 - 130	10	25
Ethylbenzene			50.0	53.53		ug/L		107	75 - 125	4	25
MTBE			50.0	54.68		ug/L		109	65 - 135	1	25
Methylene Chloride			50.0	51.36		ug/L		103	75 - 125	5	25
Naphthalene			50.0	63.90		ug/L		128	70 - 130	17	25
sec-Butylbenzene			50.0	52.97		ug/L		106	75 - 125	4	25
Styrene			50.0	54.51		ug/L		109	75 - 125	3	25
Tetrachloroethylene			50.0	53.51		ug/L		107	71 - 125	5	25
Toluene			50.0	53.01		ug/L		106	59 - 139	4	25
Trichloroethene			50.0	53.81		ug/L		108	62 - 137	6	25

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-61049/4
Matrix: Water
Analysis Batch: 61049

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Trichlorofluoromethane			50.0	51.30		ug/L		103	60 - 140	9	25
Vinyl chloride			50.0	51.65		ug/L		103	60 - 140	7	25
cis-1,2-Dichloroethene			50.0	55.22		ug/L		110	75 - 125	4	25
cis-1,3-Dichloropropene			50.0	55.57		ug/L		111	74 - 125	1	25
Isopropylbenzene			50.0	53.53		ug/L		107	75 - 125	5	25
m,p-Xylenes			50.0	52.66		ug/L		105	75 - 125	5	25
n-Butylbenzene			50.0	53.56		ug/L		107	75 - 125	3	25
N-Propylbenzene			50.0	52.96		ug/L		106	75 - 125	4	25
o-Xylene			50.0	53.58		ug/L		107	75 - 125	2	25
p-Cymene (p-Isopropyltoluene)			50.0	53.44		ug/L		107	75 - 125	3	25
tert-Butylbenzene			50.0	52.49		ug/L		105	75 - 125	3	25
trans-1,2-Dichloroethene			50.0	54.76		ug/L		110	75 - 125	5	25
trans-1,3-Dichloropropene			50.0	54.85		ug/L		110	66 - 125	0	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*63 - 144*
4-Bromofluorobenzene (Surr)	*98*		*74 - 124*
Dibromofluoromethane (Surr)	*101*		*75 - 131*
Toluene-d8 (Surr)	*98*		*80 - 117*

Lab Sample ID: MB 860-61306/11
Matrix: Water
Analysis Batch: 61306

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.327	U	1.00	0.327	ug/L			07/18/22 13:35	1
1,1,1-Trichloroethane	<0.504	U	5.00	0.504	ug/L			07/18/22 13:35	1
1,1,2,2-Tetrachloroethane	<0.284	U	1.00	0.284	ug/L			07/18/22 13:35	1
1,1,2-Trichloroethane	<0.228	U	1.00	0.228	ug/L			07/18/22 13:35	1
1,1-Dichloroethane	<0.244	U	1.00	0.244	ug/L			07/18/22 13:35	1
1,1-Dichloroethene	<0.216	U	1.00	0.216	ug/L			07/18/22 13:35	1
1,1-Dichloropropene	<0.481	U	5.00	0.481	ug/L			07/18/22 13:35	1
1,2,3-Trichlorobenzene	<2.00	U	5.00	2.00	ug/L			07/18/22 13:35	1
1,2,3-Trichloropropane	<0.283	U	1.00	0.283	ug/L			07/18/22 13:35	1
1,2,4-Trichlorobenzene	<2.00	U	5.00	2.00	ug/L			07/18/22 13:35	1
1,2,4-Trimethylbenzene	<0.252	U	1.00	0.252	ug/L			07/18/22 13:35	1
1,2-Dibromo-3-Chloropropane	<0.319	U	5.00	0.319	ug/L			07/18/22 13:35	1
1,2-Dibromoethane	<0.337	U	5.00	0.337	ug/L			07/18/22 13:35	1
1,2-Dichlorobenzene	<0.236	U	1.00	0.236	ug/L			07/18/22 13:35	1
1,2-Dichloroethane	<0.285	U	1.00	0.285	ug/L			07/18/22 13:35	1
1,2-Dichloropropane	<0.396	U	5.00	0.396	ug/L			07/18/22 13:35	1
1,3,5-Trimethylbenzene	<0.279	U	1.00	0.279	ug/L			07/18/22 13:35	1
1,3-Dichlorobenzene	<0.197	U	1.00	0.197	ug/L			07/18/22 13:35	1
1,3-Dichloropropane	<0.439	U	5.00	0.439	ug/L			07/18/22 13:35	1
1,4-Dichlorobenzene	<0.199	U	1.00	0.199	ug/L			07/18/22 13:35	1
1-Methylnaphthalene	<1.79	U	10.0	1.79	ug/L			07/18/22 13:35	1
2,2-Dichloropropane	<0.360	U	5.00	0.360	ug/L			07/18/22 13:35	1
2-Chlorotoluene	<0.214	U	1.00	0.214	ug/L			07/18/22 13:35	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 860-61306/11
Matrix: Water
Analysis Batch: 61306

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<2.05	U	10.0	2.05	ug/L			07/18/22 13:35	1
4-Chlorotoluene	<0.183	U	1.00	0.183	ug/L			07/18/22 13:35	1
Benzene	<0.214	U	1.00	0.214	ug/L			07/18/22 13:35	1
Bromobenzene	<0.300	U	1.00	0.300	ug/L			07/18/22 13:35	1
Bromochloromethane	<0.209	U	1.00	0.209	ug/L			07/18/22 13:35	1
Bromodichloromethane	<0.231	U	1.00	0.231	ug/L			07/18/22 13:35	1
Bromoform	<0.630	U	5.00	0.630	ug/L			07/18/22 13:35	1
Bromomethane	<1.05	U	5.00	1.05	ug/L			07/18/22 13:35	1
Carbon tetrachloride	<0.423	U	5.00	0.423	ug/L			07/18/22 13:35	1
Chlorobenzene	<0.159	U	1.00	0.159	ug/L			07/18/22 13:35	1
Chloroethane	<0.433	U	10.0	0.433	ug/L			07/18/22 13:35	1
Chloroform	<0.259	U	1.00	0.259	ug/L			07/18/22 13:35	1
Chloromethane	<0.318	U	10.0	0.318	ug/L			07/18/22 13:35	1
Dibromochloromethane	<0.739	U	5.00	0.739	ug/L			07/18/22 13:35	1
Dibromomethane	<0.130	U	1.00	0.130	ug/L			07/18/22 13:35	1
Dichlorodifluoromethane	<0.316	U	1.00	0.316	ug/L			07/18/22 13:35	1
Ethylbenzene	<0.515	U	1.00	0.515	ug/L			07/18/22 13:35	1
MTBE	<0.571	U	5.00	0.571	ug/L			07/18/22 13:35	1
Methylene Chloride	<1.91	U	5.00	1.91	ug/L			07/18/22 13:35	1
Naphthalene	<2.00	U	10.0	2.00	ug/L			07/18/22 13:35	1
sec-Butylbenzene	<0.199	U	1.00	0.199	ug/L			07/18/22 13:35	1
Styrene	<0.623	U	1.00	0.623	ug/L			07/18/22 13:35	1
Tetrachloroethylene	<0.500	U	1.00	0.500	ug/L			07/18/22 13:35	1
Toluene	<0.500	U	1.00	0.500	ug/L			07/18/22 13:35	1
Trichloroethene	<0.424	U	5.00	0.424	ug/L			07/18/22 13:35	1
Trichlorofluoromethane	<0.245	U	1.00	0.245	ug/L			07/18/22 13:35	1
Vinyl chloride	<0.234	U	2.00	0.234	ug/L			07/18/22 13:35	1
Xylenes, Total	<0.330	U	10.0	0.330	ug/L			07/18/22 13:35	1
cis-1,2-Dichloroethene	<0.174	U	1.00	0.174	ug/L			07/18/22 13:35	1
cis-1,3-Dichloropropene	<0.690	U	5.00	0.690	ug/L			07/18/22 13:35	1
Isopropylbenzene	<0.161	U	1.00	0.161	ug/L			07/18/22 13:35	1
m,p-Xylenes	<0.330	U	10.0	0.330	ug/L			07/18/22 13:35	1
n-Butylbenzene	<0.286	U	1.00	0.286	ug/L			07/18/22 13:35	1
N-Propylbenzene	<0.179	U	1.00	0.179	ug/L			07/18/22 13:35	1
o-Xylene	<0.192	U	1.00	0.192	ug/L			07/18/22 13:35	1
p-Cymene (p-Isopropyltoluene)	<0.233	U	1.00	0.233	ug/L			07/18/22 13:35	1
tert-Butylbenzene	<0.195	U	1.00	0.195	ug/L			07/18/22 13:35	1
trans-1,2-Dichloroethene	<0.256	U	1.00	0.256	ug/L			07/18/22 13:35	1
trans-1,3-Dichloropropene	<0.752	U	5.00	0.752	ug/L			07/18/22 13:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*63 - 144*		*07/18/22 13:35*	*1*
4-Bromofluorobenzene (Surr)	*101*		*74 - 124*		*07/18/22 13:35*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 131*		*07/18/22 13:35*	*1*
Toluene-d8 (Surr)	*98*		*80 - 117*		*07/18/22 13:35*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 860-61306/3
Matrix: Water
Analysis Batch: 61306

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			50.0	48.97		ug/L		98	75 - 199		
2-Methylnaphthalene			50.0	48.26		ug/L		97	75 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*63 - 144*
4-Bromofluorobenzene (Surr)	*97*		*74 - 124*
Dibromofluoromethane (Surr)	*103*		*75 - 131*
Toluene-d8 (Surr)	*96*		*80 - 117*

Lab Sample ID: LCSD 860-61306/4
Matrix: Water
Analysis Batch: 61306

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			50.0	50.45		ug/L		101	75 - 199	3	25
2-Methylnaphthalene			50.0	49.33		ug/L		99	75 - 125	2	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*63 - 144*
4-Bromofluorobenzene (Surr)	*98*		*74 - 124*
Dibromofluoromethane (Surr)	*103*		*75 - 131*
Toluene-d8 (Surr)	*96*		*80 - 117*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Lab Sample ID: MB 860-61171/1-A
Matrix: Water
Analysis Batch: 61172

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61171

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	<0.00314	U	0.0200	0.00314	ug/L		07/15/22 13:49	07/15/22 16:13	1
1,2-Dibromoethane	<0.00362	U	0.0200	0.00362	ug/L		07/15/22 13:49	07/15/22 16:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*	*p*	*60 - 140*	*07/15/22 13:49*	*07/15/22 16:13*	*1*

Lab Sample ID: LCS 860-61171/2-A
Matrix: Water
Analysis Batch: 61172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61171

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.250	0.2315		ug/L		93	60 - 140		
1,2-Dibromoethane			0.250	0.2274		ug/L		91	60 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*	*p*	*60 - 140*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC) (Continued)

Lab Sample ID: LCSD 860-61171/3-A
Matrix: Water
Analysis Batch: 61172

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 61171

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			0.250	0.2416		ug/L		97	60 - 140	4	30
1,2-Dibromoethane			0.250	0.2379		ug/L		95	60 - 140	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*60 - 140*

Lab Sample ID: 830-2125-1 MS
Matrix: Water
Analysis Batch: 61172

Client Sample ID: MW-1
Prep Type: Total/NA
Prep Batch: 61171

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	<0.00304	U	0.242	0.2357		ug/L		97	60 - 140
1,2-Dibromoethane	<0.00351	U	0.242	0.2258		ug/L		93	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*60 - 140*

QC Association Summary

Client: ASW Engineering PLLC
Project/Site: Cano's Restaurant 1200 W. Pine

Job ID: 830-2125-1
SDG: 54744

GC/MS VOA

Analysis Batch: 61049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-2125-1	MW-1	Total/NA	Water	8260C	
830-2125-2	MW-6	Total/NA	Water	8260C	
830-2125-3	MW-8	Total/NA	Water	8260C	
MB 860-61049/11	Method Blank	Total/NA	Water	8260C	
LCS 860-61049/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 860-61049/4	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 61306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-2125-1 - RA	MW-1	Total/NA	Water	8260C	
830-2125-2 - RA	MW-6	Total/NA	Water	8260C	
830-2125-3 - RA	MW-8	Total/NA	Water	8260C	
MB 860-61306/11	Method Blank	Total/NA	Water	8260C	
LCS 860-61306/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 860-61306/4	Lab Control Sample Dup	Total/NA	Water	8260C	

GC Semi VOA

Prep Batch: 61171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-2125-1	MW-1	Total/NA	Water	8011	
830-2125-2	MW-6	Total/NA	Water	8011	
830-2125-3	MW-8	Total/NA	Water	8011	
MB 860-61171/1-A	Method Blank	Total/NA	Water	8011	
LCS 860-61171/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 860-61171/3-A	Lab Control Sample Dup	Total/NA	Water	8011	
830-2125-1 MS	MW-1	Total/NA	Water	8011	

Analysis Batch: 61172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-2125-1	MW-1	Total/NA	Water	8011	61171
830-2125-2	MW-6	Total/NA	Water	8011	61171
830-2125-3	MW-8	Total/NA	Water	8011	61171
MB 860-61171/1-A	Method Blank	Total/NA	Water	8011	61171
LCS 860-61171/2-A	Lab Control Sample	Total/NA	Water	8011	61171
LCSD 860-61171/3-A	Lab Control Sample Dup	Total/NA	Water	8011	61171
830-2125-1 MS	MW-1	Total/NA	Water	8011	61171

Lab Chronicle

Client: ASW Engineering PLLC
Project/Site: Cano's Restaurant 1200 W. Pine

Job ID: 830-2125-1
SDG: 54744

Client Sample ID: MW-1
Date Collected: 07/12/22 08:07
Date Received: 07/13/22 15:03

Lab Sample ID: 830-2125-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	61049	07/15/22 14:48	TTD	XEN STF
Total/NA	Analysis	8260C	RA	1	5 mL	5 mL	61306	07/18/22 17:00	TTD	XEN STF
Total/NA	Prep	8011			36.1 mL	2 mL	61171	07/15/22 13:49	JAL	XEN STF
Total/NA	Analysis	8011		1			61172	07/15/22 17:09	JAL	XEN STF

Client Sample ID: MW-6
Date Collected: 07/12/22 09:25
Date Received: 07/13/22 15:03

Lab Sample ID: 830-2125-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	61049	07/15/22 15:08	TTD	XEN STF
Total/NA	Analysis	8260C	RA	1	5 mL	5 mL	61306	07/18/22 17:20	TTD	XEN STF
Total/NA	Prep	8011			36.7 mL	2 mL	61171	07/15/22 13:49	JAL	XEN STF
Total/NA	Analysis	8011		1			61172	07/15/22 17:37	JAL	XEN STF

Client Sample ID: MW-8
Date Collected: 07/12/22 10:32
Date Received: 07/13/22 15:03

Lab Sample ID: 830-2125-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	61049	07/15/22 15:29	TTD	XEN STF
Total/NA	Analysis	8260C	RA	1	5 mL	5 mL	61306	07/18/22 17:41	TTD	XEN STF
Total/NA	Prep	8011			36.2 mL	2 mL	61171	07/15/22 13:49	JAL	XEN STF
Total/NA	Analysis	8011		1			61172	07/15/22 17:51	JAL	XEN STF

Laboratory References:

XEN STF = Eurofins Houston, 4147 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: ASW Engineering PLLC
Project/Site: Cano's Restaurant 1200 W. Pine

Job ID: 830-2125-1
SDG: 54744

Laboratory: Eurofins Houston

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-22-47	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	1-Methylnaphthalene
8260C		Water	2-Methylnaphthalene

Method Summary

Client: ASW Engineering PLLC
Project/Site: Cano's Restaurant 1200 W. Pine

Job ID: 830-2125-1
SDG: 54744

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	XEN STF
8011	EDB, DBCP, and 1,2,3-TCP (GC)	SW846	XEN STF
5030C	Purge and Trap	SW846	XEN STF
8011	Microextraction	SW846	XEN STF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN STF = Eurofins Houston, 4147 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

Client: ASW Engineering PLLC
Project/Site: Cano's Restaurant 1200 W. Pine

Job ID: 830-2125-1
SDG: 54744

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
830-2125-1	MW-1	Water	07/12/22 08:07	07/13/22 15:03
830-2125-2	MW-6	Water	07/12/22 09:25	07/13/22 15:03
830-2125-3	MW-8	Water	07/12/22 10:32	07/13/22 15:03

Eurofins Houston
4145 Greenbriar Dr
Stafford, TX 77477
Phone (281) 240-4200

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Nate Daniels	Lab PM: Simmons, Debbie	Carrier Tracking No(s):	COC No: 860-11384-3997.2
Client Contact: Robert Daniels	Phone: 915 888 9110	E-Mail: Debbie.Simmons@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: ASW Engineering PLLC	PWSID:			Job #:
Address: 1615 Arizona	Due Date Requested:			
City: El Paso	TAT Requested (days):			
State, Zip: TX, 79902	Compliance Project: Δ Yes Δ No			
Phone: 915-533-3344(Tel)	PO #: Purchase Order not required			
Email: rdaniels@aswpllc.com	WO #:			
Project Name: Cano's Restaurant 1200 W. Pkwy	Project #: 86000367			
Site: 54744	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - VOCs by SW-846 8260C Ext	8011 - EDB, DBCP, and 1,2,3-TCP (GC)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A		
MW-1	7/12/22	8:07am		W			3	3		Less than 1/4in bubbles
MW-6	7/12/22	9:23am		W			3	3		Less than 1/4in bubbles
MW-8	7/12/22	10:32am		W			3	3		Less than 1/4in bubbles
MW-7	7/12/22	11:17am		W			0	0		All bubbles were
MW-9	7/12/22	12:55pm		W			0	0		formed after Sampling event

830-2125 Chain of Custody
Loc: 830
2125

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological
Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by: 7/13/22	Date/Time:	Company	Received by:	Date/Time: 07-13-22 15:03	Company EO PAD
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0/0 IR2 10.0

Ver: 01/16/2019

7/25/2022 (Rev. 1)

Eurofins El Paso
200 East Sunset Rd. Suite E
El Paso, TX 79922
Phone: 915-585-3443

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Simmons, Debbie	Carrier Tracking No(s):	COC No: 830-727 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Debbie.Simmons@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 830-2125-1
Address: 4147 Greenbriar Dr	Due Date Requested: 7/19/2022			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: Cano's Restaurant 1200 W Pine	Project #: 86000367			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)
Other:

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8011/8011_Prep	8260C/5030C VOCs by SW-846 8260C Ext	Total Number of containers	Special Instructions/Note.
			Preservation Code:							
MW-1 (830-2125-1)	7/12/22	08:07 Mountain		Water			X	X	3	includes 1 & 2 Methylnaphthalene
MW-6 (830-2125-2)	7/12/22	09:25 Mountain		Water			X	X	3	includes 1 & 2 Methylnaphthalene
MW-8 (830-2125-3)	7/12/22	10:32 Mountain		Water			X	X	3	includes 1 & 2 Methylnaphthalene
MW-7 (830-2125-4)	7/12/22	11 17 Mountain		Water			X	X	3	includes 1 & 2 Methylnaphthalene
MW-9 (830-2125-5)	7/12/22	12:38 Mountain		Water			X	X	3	includes 1 & 2 Methylnaphthalene

Temp. 2.1 IR ID:HOU-339
C/F: 1.4
Corrected Temp: 0.7

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I II III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		7/13-22 1607				
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 7/14/22 1139	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: ASW Engineering PLLC

Job Number: 830-2125-1
SDG Number: 54744

Login Number: 2125
List Number: 1
Creator: Aparicio, Niria

List Source: Eurofins El Paso

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: ASW Engineering PLLC

Job Number: 830-2125-1
SDG Number: 54744

Login Number: 2125
List Number: 2
Creator: Milone, Jeancarlo

List Source: Eurofins Houston
List Creation: 07/14/22 08:16 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

April 9, 2019

Mr. Tim Noger, Geoscientist
New Mexico Environment Department – Petroleum Storage Tank Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505

Re: Deliverables 18206-5 & 18209-5 End-of-Operations Groundwater Monitoring Report –Save Gas #3 & Triangle Truck Stop Sites, Deming, New Mexico

Save Gas #3: Facility #: 27658 Release ID #: 4089 WPID #: 18206
Triangle Truck Stop: Facility #: 31200 Release ID #: 3401 WPID #: 18209

Dear Mr. Noger,

Pursuant to New Mexico Environment Department-Petroleum Storage Tank Bureau (NMED) approved work plans, Wood Environment & Infrastructure Solutions, Inc. (Wood) is pleased to submit this End-of-Operations Groundwater Monitoring Report for the Save Gas #3 and Triangle Truck Stop sites located in Deming, New Mexico. This report completes deliverables Nos. 18206-5 (Save Gas #3) and 18209-5 (Triangle Truck Stop). This report is the final deliverable under the current work plan.

A reduction in the number of monitoring wells planned for sampled occurred during the End-of-Operations Groundwater Monitoring event. Only 18 of a planned 21 wells were sampled and analyzed, resulting in a total reduction in cost of $877.50, including labor and analytical costs. Wood plans to submit a NMED Corrective Action Fund claim for $12,683.06 for Save Gas #3, a reduction of $658.13 from the approved amount of $13,341.19. We also plan to submit a claim for $4,227.69 for Triangle Truck Stop, a reduction of $219.37, from the approved amount of $4,447.06.

If you have any questions concerning this report, please, do not hesitate to contact us at (505) 821-1801 or via email at jeff.cotter@woodplc.com or peter.guerra@woodplc.com.

Wood Environment & Infrastructure Solutions, Inc.

Jeff Cotter
Project Manager

Peter Guerra
Senior Environmental Manager

Copies: File

Wood Environment & Infrastructure Solutions, Inc.
8519 Jefferson Street NE
Albuquerque, NM 87113
Tel (505) 821-1801
Fax (505) 821-7371

END-OF-OPERATIONS GROUNDWATER MONITORING REPORT
SAVE GAS #3 & TRIANGLE TRUCK STOPSITES
1312 & 1300 W. PINE STREET
DEMING, NEW MEXICO

prepared for:

New Mexico Environment Department-District 3
Petroleum Storage Tank Bureau
2905 Rodeo Park Drive East
Building 1
Santa Fe, New Mexico 87505

on behalf of:

EJ Short Oil Company
53365 US Highway 385
Marathon, TX 79842

Barker Oil Company
2423 Atlantic Way SE
Deming, NM 88030

prepared by:

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.
8519 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113

April 9, 2019

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Appendix A Groundwater Laboratory Analytical Report

1.0 INTRODUCTION

This report includes the procedures, results and conclusions from the Save Gas #3 and Triangle Truck Stop End-of-Operations Groundwater Monitoring Event, performed on January 15-16, 2019. The Save Gas #3 and Triangle Truck Stop Sites are located in Deming, New Mexico. End-of-Operations groundwater monitoring was conducted under New Mexico Environment Department – Petroleum Storage Tank Bureau (NMED) work plans 18206 and 18209. These work plans were approved on March 27, 2018. The sites are shown in Figure 1.

1.1 BACKGROUND

Save Gas #3 is located at 1312 West Pine Street and Triangle Truck Stop is located at 1300 West Pine Street, Deming, New Mexico. The sites have an extensive history of investigation, monitoring and remediation dating back to January 2002. Investigative activities include monitoring well installations, groundwater monitoring, liquid level gauging, and a pilot soil vapor extraction (SVE) system test conducted in 2006. Detailed background information for the sites is presented in the Wood Environment & Infrastructure Solutions, Inc. (Amec Foster Wheeler) Final Remediation Plan (FRP) for the sites submitted to the New Mexico Environment Department-Petroleum Storage Tank Bureau (NMED) in September 2009.

1.2 SUMMARY OF PREVIOUS INVESTIGATION

A brief overview of previous site activities is contained in this section. Some highlights of previous investigation findings are presented below, and a more detailed description of previous site activities is provided in Wood's (formerly Amec Foster Wheeler) FRP and subsequent operations and monitoring reports for the sites.

- The contaminant is gasoline. Groundwater is encountered at approximately 90 feet below ground surface (BGS) at the sites. Hydrology at the site is relatively complex, with more than one semi-confined water bearing zone separated by clayey alluvial aquitards. Previous phases of water level monitoring have distinguished at least two potentiometric surfaces among the monitoring wells. The shallower of the two currently has an elevation of approximately 4263 feet above mean sea level (AMSL), or about 87 feet below ground surface (BGS); and the deeper of the two currently has an elevation of approximately 4232 feet AMSL, or about 118 feet BGS. Water levels in monitoring wells fluctuate seasonally with recharge; but, in general water levels have been declining over the long term, necessitating the abandonment of some older wells and installation of new wells.
- Non-aqueous phase liquid (NAPL) was previously detectable in monitoring wells beneath the property.
- The NAPL boundary has horizontally spread and vertically smeared as a result of the fluctuating water table.
- NAPL has been be present in up to nine (9) monitoring wells. Several wells contained benzene concentrations exceeding the New Mexico Water Quality Control Commission (NMWQCC) Standard.
- Petroleum hydrocarbon contamination is the result of multiple fuel releases from multiple sources.

1.3 SUMMARY OF CURRENT WORK AND WORK-IN-PROGRESS

Wood constructed a 15-well, 3-circuit soil vapor extraction (SVE) system in March and April of 2009. The remediation system layout is shown in Figure 1. SVE system operations began on June 21, 2010. The remediation system has been operated for 16 quarters since June 2010, with occasional periods of shut-down between work plan approvals. There were frequent system operation interruptions due to equipment mechanical failures or other circumstances during the first three quarters of operation.

Except for brief shut-downs for scheduled maintenance, the remediation system operated continuously using only the vacuum blowers and sparge blower during quarters seven through sixteen.

Wood has installed nine new groundwater monitoring wells since April, 2013, with the latest monitoring well installed in June 2018. The monitoring well network is shown on Figure 1. New wells were installed to replace wells that were no longer usable for groundwater monitoring purposes, either due to damage, or the water table dropping below the screened interval of the monitoring well. In conjunction with installation of new monitoring wells, wells no longer usable have been plugged and abandoned.

Prior to the current work plans, the latest remediation activities at the site were Quarter 16 operations and monitoring between September 2018 and January 2019. Prior to this End-of-Operations groundwater monitoring event, the most recent groundwater monitoring event was performed June 2018.

2.0 PROCEDURES

As part of NMED-approved work plans 18206 and 18209, an End-of-Operations groundwater monitoring event was conducted at the end of the Quarter 16 SVE system operations. Groundwater monitoring was performed January 15-16, 2019. The sections below describe the activities and results of the End-of-Operations groundwater monitoring event.

2.1 GROUNDWATER MONITORING

End-of-Operations groundwater monitoring was performed January 15 and 16, 2019. Sampling procedures consisted of using disposable Teflon®-lined bailers to purge three water column volumes from each monitoring well, if possible. In some cases, the monitoring well would bail dry before three water column volumes could be removed. ρH, dissolved oxygen (DO), and specific conductance were measured in the field.

Wood collected groundwater samples from 18 of 21 monitoring wells proposed for sampling under the NMED-approved work plans during the End-of-Operations Groundwater Monitoring Event. The wells sampled are shown below.

A-1	BTMW-5
A-2	BTMW-8
A-4	BTMW-9 (replaced BTMW-15)
A-5	BTMW-10
A-6	BTMW-13
A-7	SMA-1
A-8	SMA-2
BTMW-1	SMA-7
BTMW-2	SMA-9

Well BTMW-15 contained non-aqueous phase liquids (NAPL). Well BTMW-9 was substituted for BTMW-15. Wells A-3, A-9 and SMA-15 did not contain enough groundwater for a representative sample. Samples were analyzed for volatile organic compounds (VOC), including benzene, toluene, ethylbenzene, total xylenes, trimethylbenzene isomers, and Methyl-tertiary-butyl ether (BTEX/TMBs/MTBE) via EPA Method 8260 B. Monitoring well locations are shown in Figure 1.

2.2 NAPL RECOVERY

During the End-of Operations Groundwater Monitoring Event, NAPL was detected in one monitoring well (BTMW-15). Less than one liter of NAPL was recovered from BTMW-15. Recovered NAPL is being temporarily stored on site. When a sufficient amount of NAPL is accumulated it will be disposed of in accordance with applicable regulations.

3.0 RESULTS AND DISCUSSION

The following sections discuss the results of the End-of Operations Groundwater Monitoring Event.

3.1 NON-AQUEOUS PHASE LIQUID (NAPL) THICKNESS DATA

Well gauging for depth to NAPL and depth to groundwater was conducted between January 15 and 16, 2018. NAPL was detected in one monitoring well, BTMW-15 (0.03 feet). NAPL was not detected in any other monitoring wells.

3.2 GROUNDWATER ELEVATION DATA

Due wellhead configurations, the 15 soil vapor extraction wells (designated V-1 through V-15, see Figure 1) were not gaged. Drop tubes and sparge lines in the wells prevent a water-level probe from being lowered down the well. Liquid levels are based on measurements taken in each monitoring well using the top north side of the well casing as the reference point.

Two aquifers are present beneath the sites, a shallow aquifer with a potentiometric surface of approximately 90 feet BGS and a deeper aquifer with a potentiometric surface of approximately 120 feet BGS. Groundwater elevation in the shallow aquifer ranged from approximately 4252 to 4272 feet AMSL among the existing wells. Figure 2 shows groundwater contours for the shallow aquifer. Groundwater elevations in the deep aquifer ranged from approximately 4228 to 4249 feet AMSL across the site. Figure 3 shows groundwater contours for the deep aquifer. The groundwater gradient in the shallow aquifer is approximately 0.077 toward the south, and the

gradient in the deep aquifer is approximately 0.029 toward the west-southwest. Historical and current groundwater elevation data are shown on Table 1.

3.3 GROUNDWATER ANALYTICAL DATA

Wood personnel performed groundwater sampling from 18 monitoring wells. Samples were submitted to Hall Environmental Analysis Laboratory, Inc., in Albuquerque, New Mexico, for analysis via EPA Method 8260 B for VOC. Field screening, including, pH, specific conductivity, and DO was performed.

3.4 FIELD SCREENING

End-of-Operations groundwater monitoring field screening data are shown in Table 2. Field screening results for the wells sampled showed temperature varying between 17.7 and 22.3 ℃, with an average water temperature of 20.2 ℃. ρH varied between 6.6 and 7.8 standard units. The average ρH was 7.16 Specific conductivity ranged between 502 micro-Siemens per centimeter (µS/cm) and 1912 µS/cm, with an average specific conductivity of 898 µS/cm. DO concentrations ranged between 0.3 milligrams per liter (mg/L) and 6.5 mg/L with an average DO concentration of 2.6 mg/L. Oxidation-Reduction Potential (ORP) ranged between -142 and 442 mV.

3.5 DISSOLVED GASOLINE CONTAMINATION

When compared to the June 2018 groundwater monitoring analytical results, most of the monitoring wells sampled during the End-of-Operations monitoring event showed little change in contaminant concentrations. However, some decrease in petroleum hydrocarbon compound concentrations were evident. For example, benzene in BTMW-2 decreased from 5500 µg/L on June 26, 2018 to 2600 µg/L on January 16, 2019. Current and historical dissolved-phase contamination analytical data are summarized on Table 3. The groundwater analytical laboratory report is included in Appendix A. Figure 4 is a benzene isopleth map, which also shows benzene concentrations for the wells sampled during the End-of-Operations monitoring event. Figure 5 is a 1, 2-Dichloroethane, also called ethylene dichloride, (EDC) isopleth map, which shows EDC concentrations for the wells sampled during the End-of-Operations monitoring event. Figure 6 is a total naphthalenes isopleth map for the wells sampled during the End-of-Operations monitoring event.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based upon End-of-Operations groundwater monitoring data Wood has developed the following conclusions and recommendations.

- Groundwater elevations in the shallow aquifer continue to show wide-spread fluctuation across the site.

- During the End-of-Operations Groundwater Monitoring Event, NAPL was detected in one monitoring well: BTMW-15. NAPL thickness in this well was 0.03 feet.

- The detection and thickness of the NAPL plume beneath the site has decreased since operations began in June 2010.

- For the End-of-Operations Groundwater Monitoring Event, 18 monitoring wells were sampled and analyzed via EPA Method 8260 B. Samples were not collected from 3 wells: A-3, A-9 and SMA-15 did not contain enough water to sample; and BTMW-15 contained NAPL.

- The highest concentrations of petroleum hydrocarbon contamination at Save Gas #3 and Triangle Truck Stop Sites are located in the fuel dispenser island (BTMW-2) and underground storage tank (BTMW-8) areas.

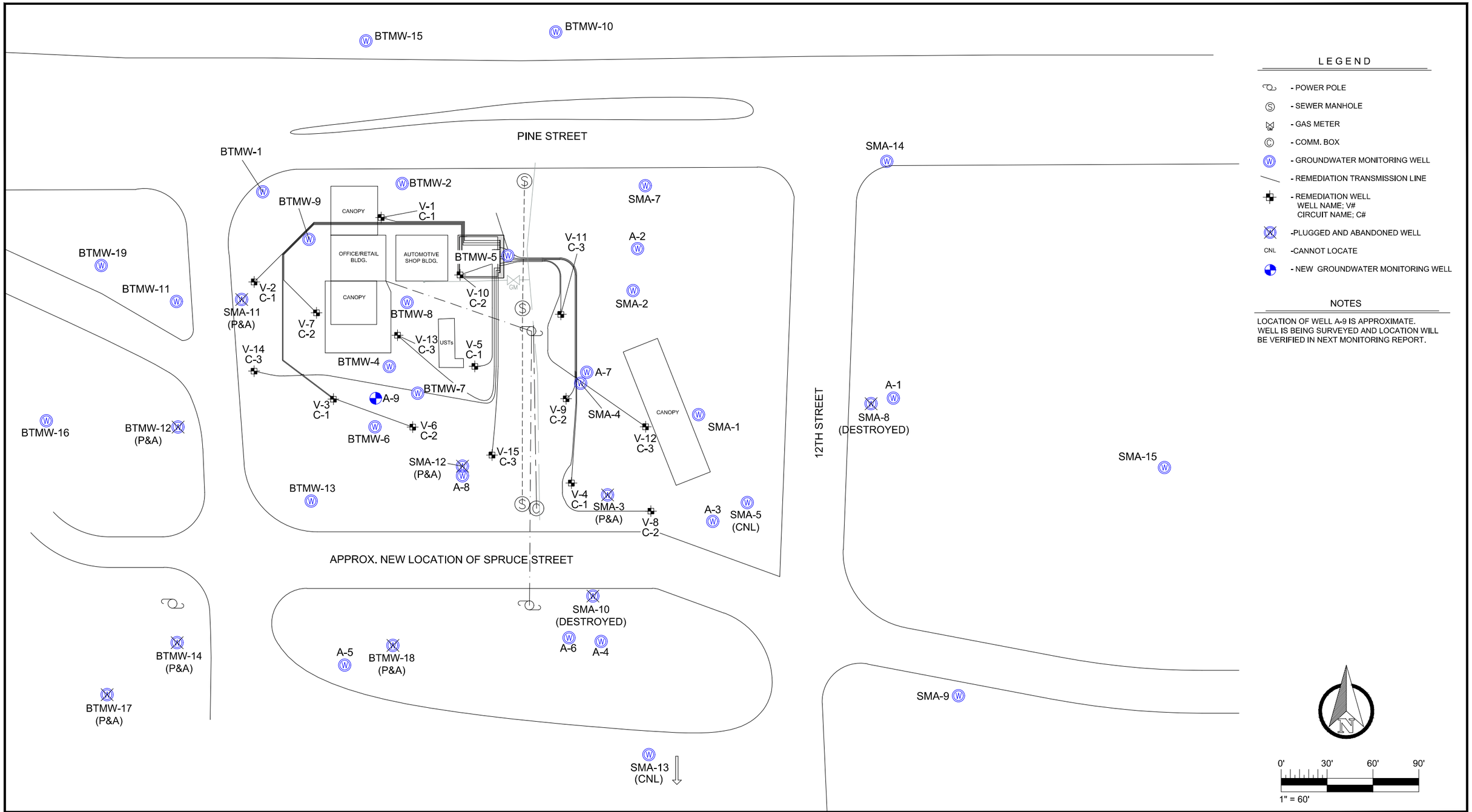
Based on these conclusions, Wood recommends the following:

- The old service station site located across West Pine Street, directly north of the Save Gas #3 site, should be considered for possible petroleum release investigation given the persistent high level of petroleum hydrocarbon-based contamination, and the continued detection of NAPL in monitoring well BTMW-15.

- Further SVE system operations and groundwater monitoring should be performed at the sites.

This report completes deliverables 18206-5 (Save Gas #3) and 18209-5 (Triangle Truck Stop). There are no further deliverables under work plans 18206 and 18209.

FIGURES



LEGEND

- POWER POLE
- SEWER MANHOLE
- GAS METER
- COMM. BOX
- GROUNDWATER MONITORING WELL
- REMEDIATION TRANSMISSION LINE
- REMEDIATION WELL
  WELL NAME; V#
  CIRCUIT NAME; C#
- PLUGGED AND ABANDONED WELL
- CNL -CANNOT LOCATE
- NEW GROUNDWATER MONITORING WELL

NOTES

LOCATION OF WELL A-9 IS APPROXIMATE.
WELL IS BEING SURVEYED AND LOCATION WILL BE VERIFIED IN NEXT MONITORING REPORT.

NOTE:

NEW MEXICO ENVIRONMENT DEPT.
PETROLEUM STORAGE TANK BUREAU

AMEC FOSTER WHEELER
ENVIRONMENT & INFRASTRUCTURE
8519 Jefferson Rd NE
Albuquerque, New Mexico 87113

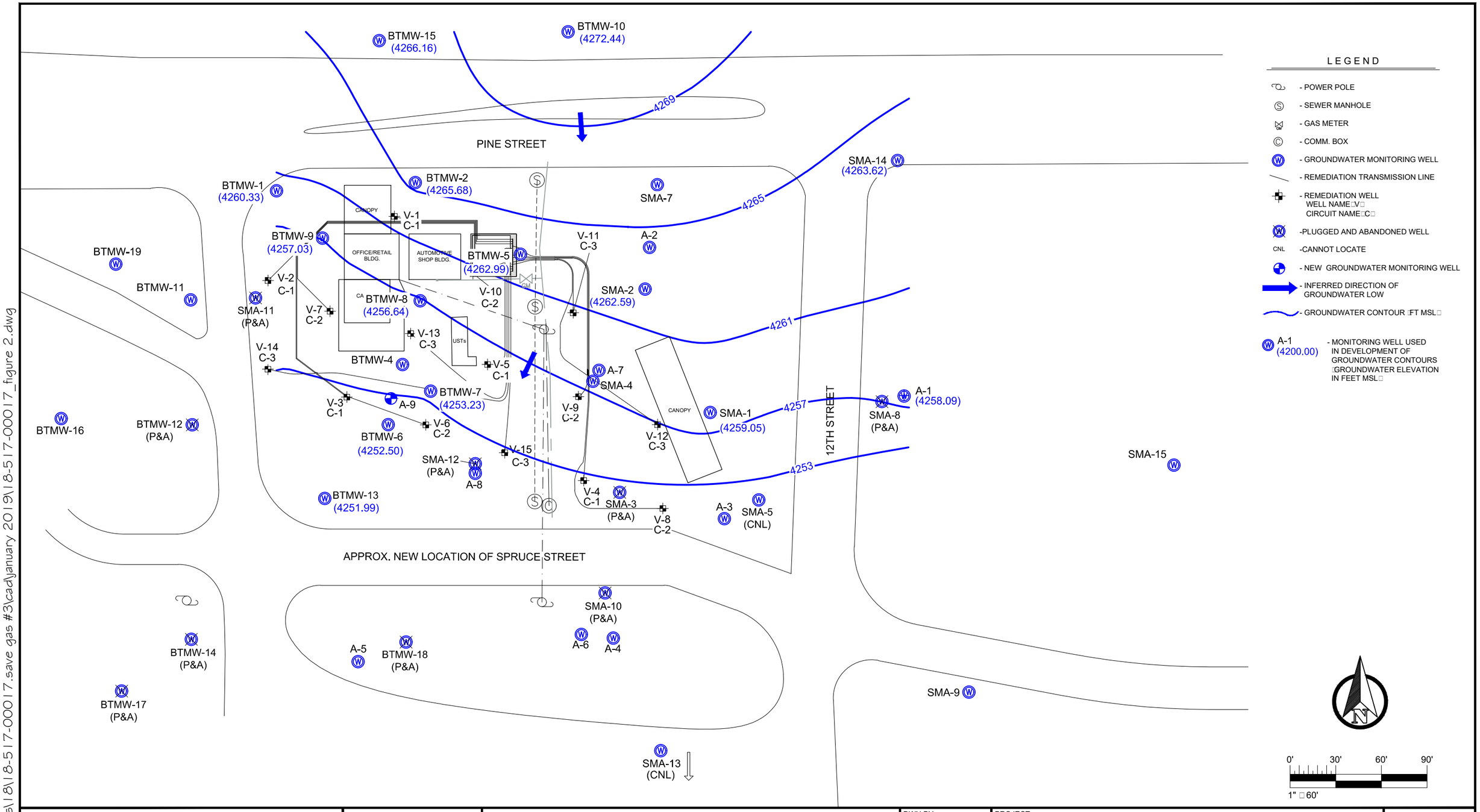
DWN BY:	JT
CHK'D BY:	JC
DATUM:	N/A
PROJECTION:	N/A
SCALE:	AS SHOWN

PROJECT
TRIANGLE TRUCKSTOP - SAVE GAS NO. 3
DEMING, NEW MEXICO

TITLE
SITE LOCATION AND SYSTEM LAYOUT MAP

DATE:	AUGUST 2018
PROJECT NO:	1851700017
REV. NO.:	A
FIGURE NO.	1

p:\consulting\projects\1851700017_save gas #3\cad august 2018\figures_1-4.dwg



p:\consulting\projects\18\18-517-000017_figure 2.dwg

NOTE:

NEW MEXICO ENVIRONMENT DEPT.
PETROLEUM STORAGE TANK BUREAU

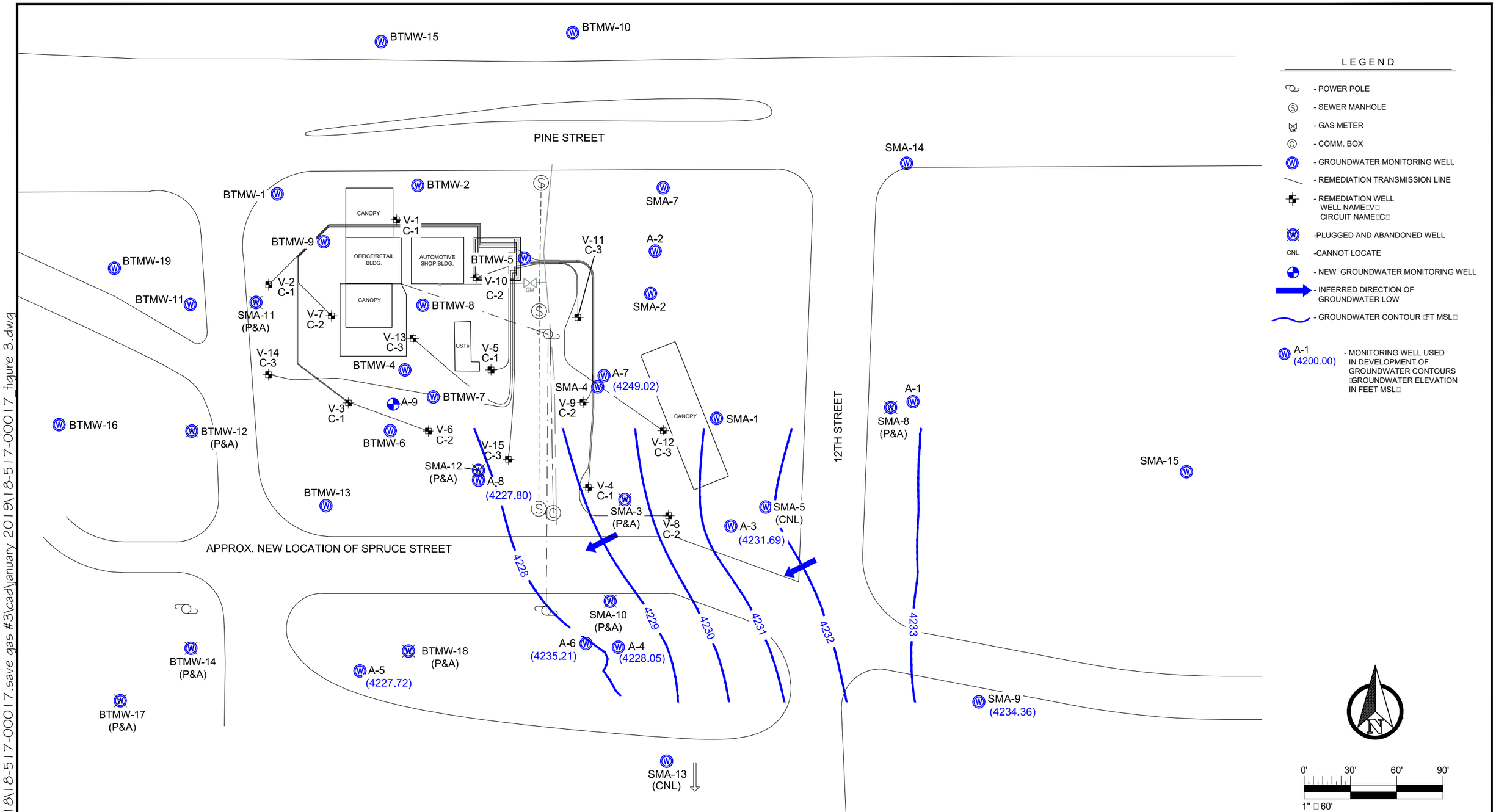
wood.
Environment □ Infrastructure Solutions, Inc.
8519 Jefferson Rd NE
Albuquerque, Ne□ Me□ico 87113

DWN BY:	JT
CHK'D BY:	JC
DATUM:	N/A
PROJECTION:	N/A
SCALE:	AS SHOWN

PROJECT
TRIANGLE TRUCKSTOP - SAVE GAS NO. 3
DEMING, NEW MEXICO

TITLE
SHALLOW PERCHED A□UI□ER GROUNDWATER CONTOUR MAP

DATE:	JANUARY 2019
CONTRACT NO:	1851700017
REV. NO.:	A
FIGURE NO.	



NOTE:

NEW MEXICO ENVIRONMENT DEPT.
PETROLEUM STORAGE TANK BUREAU

wood.

Environment □ Infrastructure Solutions, Inc.
8519 Jefferson Rd NE
Albuquerque, Ne□ Me□ico 87113

DWN BY:	JT
CHK'D BY:	JC
DATUM:	N/A
PROJECTION:	N/A
SCALE:	AS SHOWN

PROJECT
TRIANGLE TRUCKSTOP - SAVE GAS NO. 3
DEMING, NEW MEXICO

TITLE
DEEP A□UI□ER GROUNDWATER CONTOUR MAP

DATE:	JANUARY 2019
CONTRACT NO:	1851700017
REV. NO.:	A
FIGURE NO.	□

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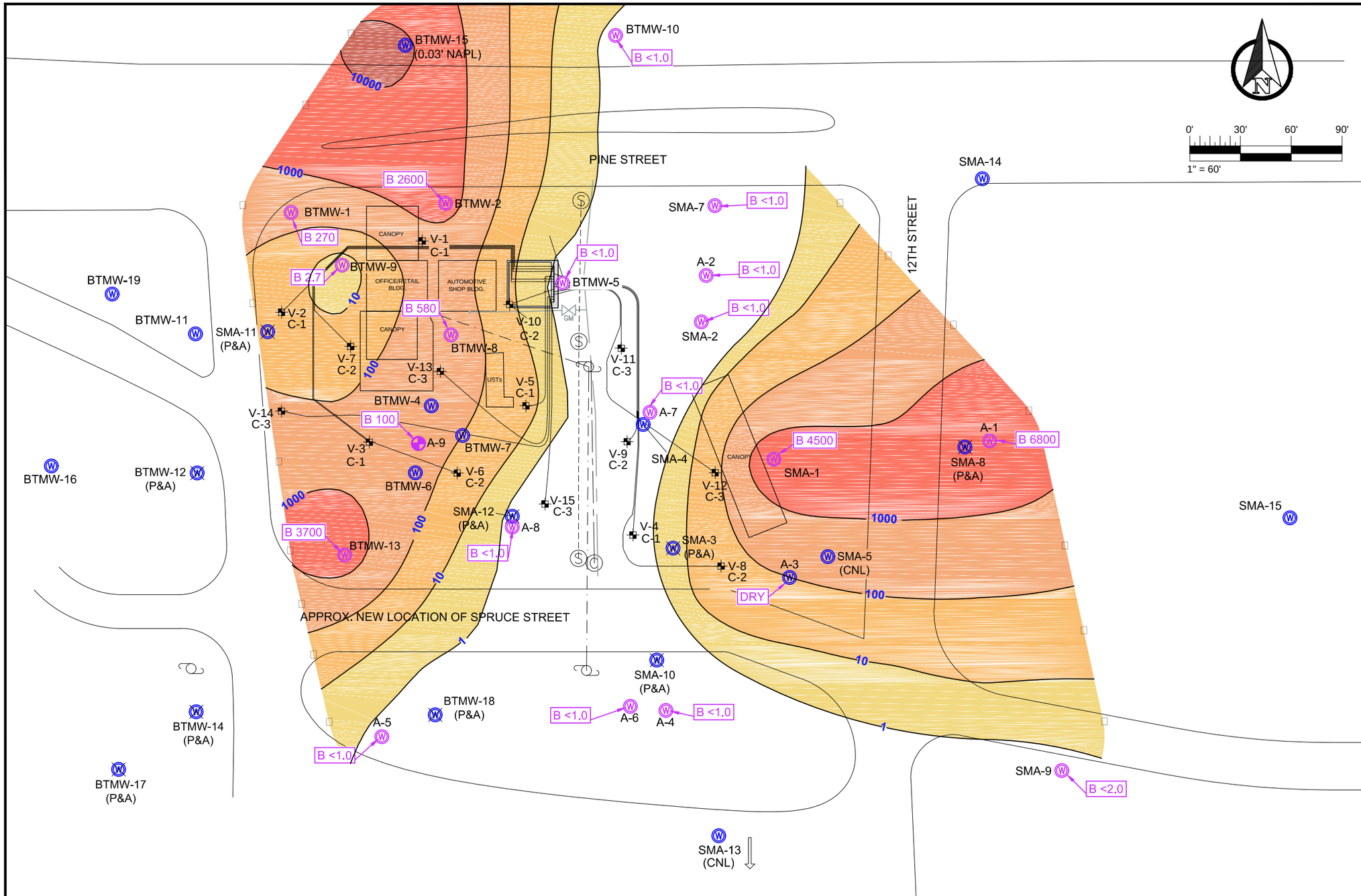

LEGEND

- POWER POLE
- SEWER MANHOLE
- GAS METER
- COMM. BOX
- GROUNDWATER MONITORING WELL
- REMEDIATION TRANSMISSION LINE
- REMEDIATION WELL
  WELL NAME; V#
  CIRCUIT NAME; C#
- PLUGGED AND ABANDONED WELL
- CNL -CANNOT LOCATE
- NEW GROUNDWATER MONITORING WELL

B - BENZENE
T - TOLUENE
E - ETHYLBENZENE
X - XYLENES
NAPL - THICKNESS IN FEET OF NAPL

MONITORING WELL USED IN DEVELOPMENT OF BENZENE PLUME

1 BENZENE ISOPLETH (ppb)

ND NON DETECT AT REPORT LIMIT

NOTES

1. END OF OPERATIONS GROUNDWATER MONITORING PERFORMED JANUARY 15 and 16, 2019.
2. ppb - PARTS PER BILLION OR MICROGRAMS PER LITER (µg\L).
3. <# - INDICATES NOT DETECTED ABOVE # VALUE.
4. BENZENE CONCENTRATIONS DISSOLVED IN GROUNDWATER AT WELLS CONTAINING NON-AQUEOUS PHASE LIQUID (NAPL) WERE ASSUMED TO BE GREATER THAN 10,000 ppb.
5. BENZENE CONCENTRATIONS DISSOLVED IN GROUNDWATER AT SAMPLE LOCATIONS WHERE RESULTS WERE NON-DETECT WERE ASSUMED TO BE HALF OF THE REPORTING LIMIT.

NEW MEXICO ENVIRONMENT DEPT.
PETROLEUM STORAGE TANK BUREAU

wood.

Environment & Infrastructure Solutions, Inc.
8519 Jefferson Rd NE
Albuquerque, New Mexico 87113

DWN BY:	JT
CHK'D BY:	JC
DATUM:	N/A
PROJECTION:	N/A
SCALE:	AS SHOWN

PROJECT
TRIANGLE TRUCKSTOP - SAVE GAS NO. 3
DEMING, NEW MEXICO

TITLE
EN ENE CONCENTRATION MAP

DATE:	JANUARY 2019
CONTRACT NO:	1851700017
REV. NO.:	A
FIGURE NO.	

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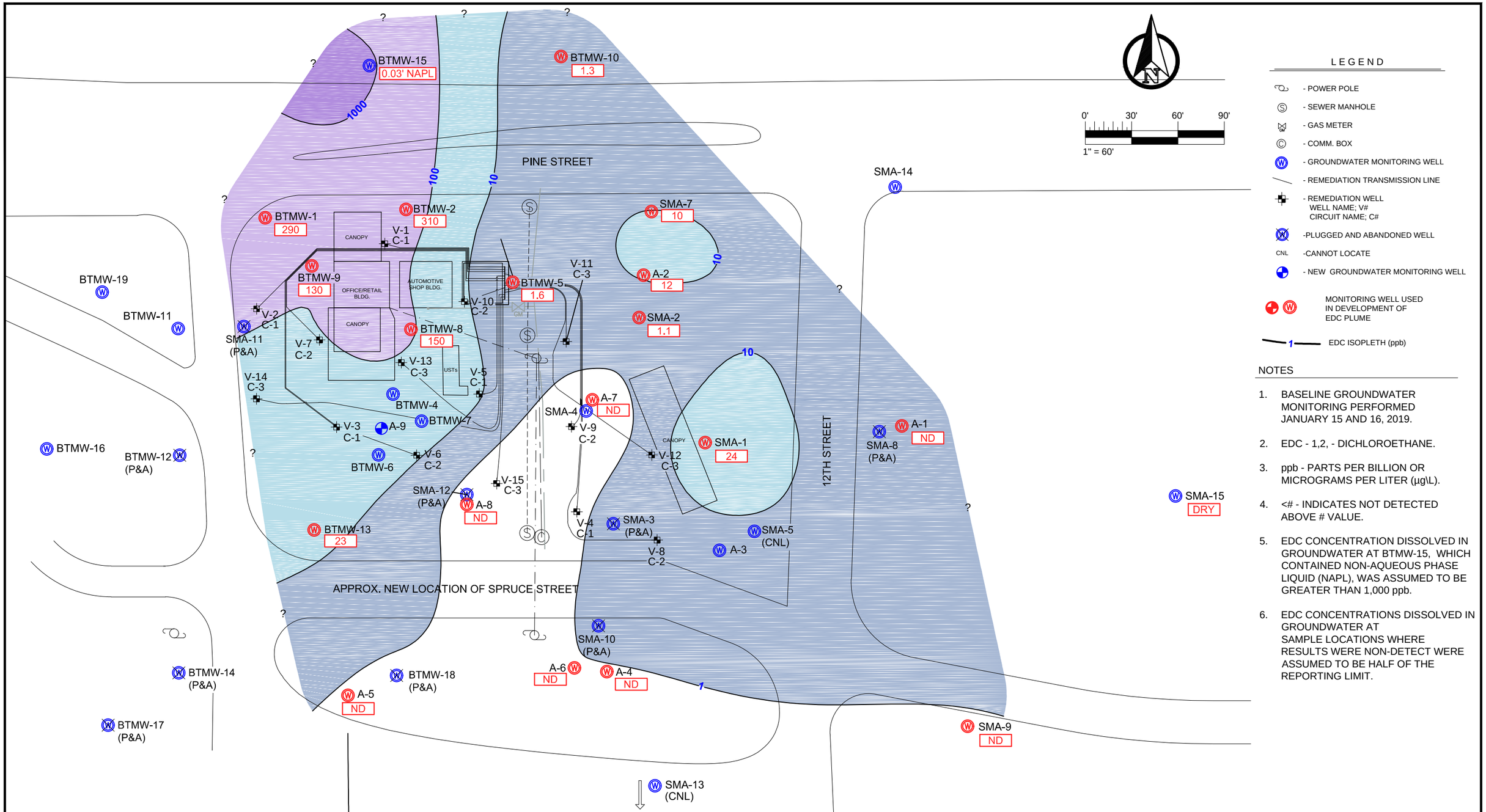

LEGEND

- POWER POLE
- SEWER MANHOLE
- GAS METER
- COMM. BOX
- GROUNDWATER MONITORING WELL
- REMEDIATION TRANSMISSION LINE
- REMEDIATION WELL
  WELL NAME; V#
  CIRCUIT NAME; C#
- PLUGGED AND ABANDONED WELL
- CNL -CANNOT LOCATE
- NEW GROUNDWATER MONITORING WELL
- MONITORING WELL USED IN DEVELOPMENT OF EDC PLUME
- EDC ISOPLETH (ppb)

NOTES

1. BASELINE GROUNDWATER MONITORING PERFORMED JANUARY 15 AND 16, 2019.
2. EDC - 1,2, - DICHLOROETHANE.
3. ppb - PARTS PER BILLION OR MICROGRAMS PER LITER (µg\L).
4. <# - INDICATES NOT DETECTED ABOVE # VALUE.
5. EDC CONCENTRATION DISSOLVED IN GROUNDWATER AT BTMW-15, WHICH CONTAINED NON-AQUEOUS PHASE LIQUID (NAPL), WAS ASSUMED TO BE GREATER THAN 1,000 ppb.
6. EDC CONCENTRATIONS DISSOLVED IN GROUNDWATER AT SAMPLE LOCATIONS WHERE RESULTS WERE NON-DETECT WERE ASSUMED TO BE HALF OF THE REPORTING LIMIT.

NEW MEXICO ENVIRONMENT DEPT.
PETROLEUM STORAGE TANK BUREAU

wood.

Environment & Infrastructure Solutions, Inc.
8519 Jefferson Rd NE
Albuquerque, New Mexico 87113

DWN BY:	JT
CHK'D BY:	JC
DATUM:	N/A
PROJECTION:	N/A
SCALE:	AS SHOWN

PROJECT
TRIANGLE TRUCKSTOP - SAVE GAS NO. 3
DEMING, NEW MEXICO

TITLE
EDC PLUME MAP

DATE:	JANUARY 2019
CONTRACT NO:	1851700017
REV. NO.:	A
FIGURE NO.	

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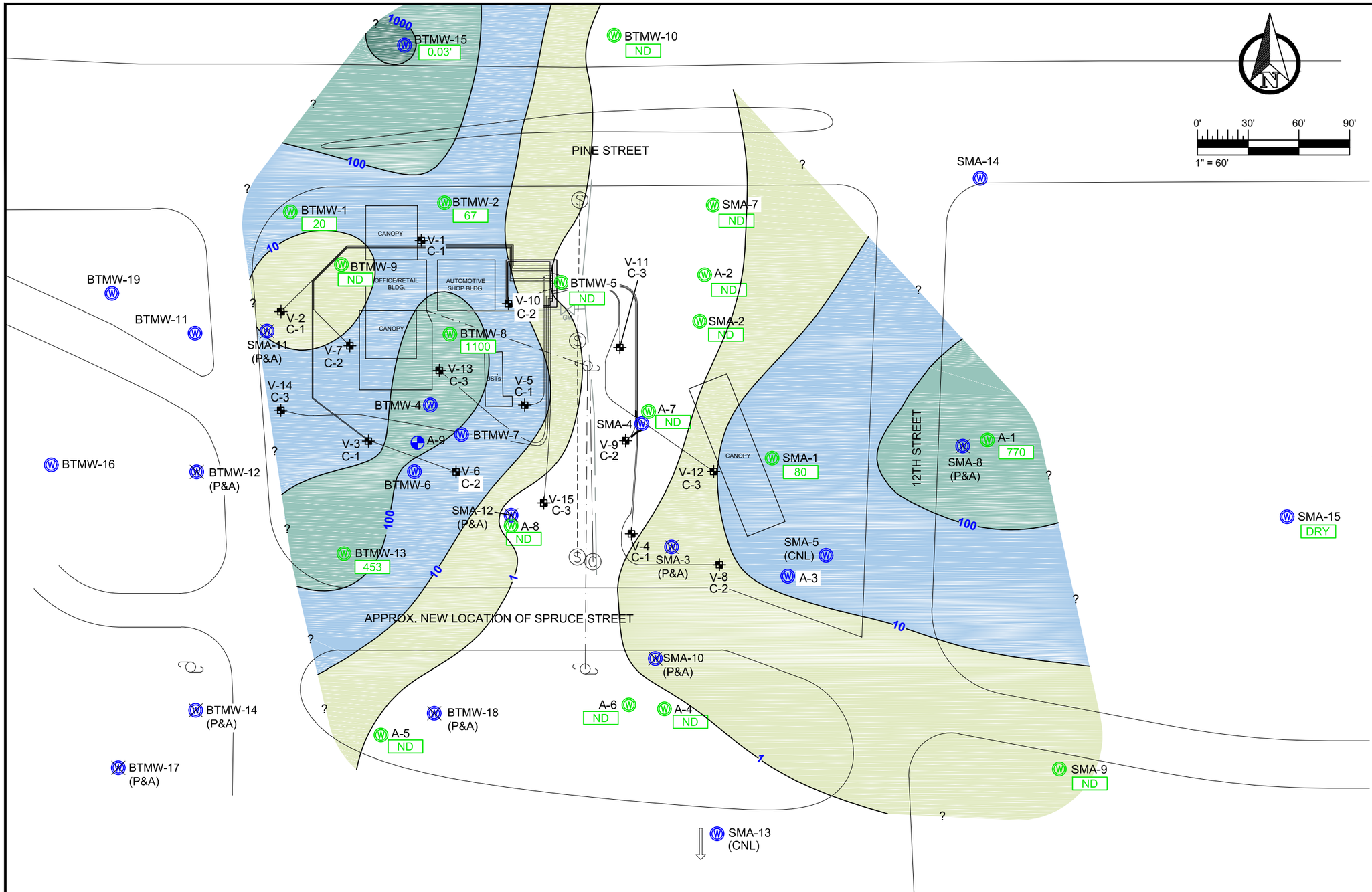

LEGEND

- POWER POLE
- SEWER MANHOLE
- GAS METER
- COMM. BOX
- GROUNDWATER MONITORING WELL
- REMEDIATION TRANSMISSION LINE
- REMEDIATION WELL
  WELL NAME; V#
  CIRCUIT NAME; C#
- PLUGGED AND ABANDONED WELL
- CNL -CANNOT LOCATE
- NEW GROUNDWATER MONITORING WELL
- MONITORING WELL USED IN DEVELOPMENT OF NAPHTHALENE PLUME (NAPHTHALENE CONCENTRATIONS SHOWN IN ppb)
- NAPHTHALENE ISOPLETH (ppb)

NOTES

1. END-OF-OPS GROUNDWATER MONITORING PERFORMED JANUARY 15 AND 16, 2019.
2. ppb - PARTS PER BILLION OR MICROGRAMS PER LITER (µg\L).
3. <# - INDICATES NOT DETECTED ABOVE # VALUE.
4. NAPHTHALENE CONCENTRATIONS DISSOLVED IN GROUNDWATER AT WELLS CONTAINING NON-AQUEOUS PHASE LIQUID (NAPL) WERE ASSUMED TO BE GREATER THAN 100 ppb.
5. NAPHTHALENE CONCENTRATIONS DISSOLVED IN GROUNDWATER AT SAMPLE LOCATIONS WHERE RESULTS WERE NON-DETECT WERE ASSUMED TO BE HALF OF THE REPORTING LIMIT.

NEW MEXICO ENVIRONMENT DEPT.
PETROLEUM STORAGE TANK BUREAU

wood.

Environment & Infrastructure Solutions, Inc.
8519 Jefferson Rd NE
Albuquerque, New Mexico 87113

DWN BY:	JT
CHK'D BY:	JC
DATUM:	N/A
PROJECTION:	N/A
SCALE:	AS SHOWN

PROJECT
TRIANGLE TRUCKSTOP - SAVE GAS NO. 3
DEMING, NEW MEXICO

TITLE
TOTAL NAPHTHALENES PLUME MAP

DATE:	APRIL 2019
CONTRACT NO:	1851700017
REV. NO.:	A
FIGURE NO.	6

p:\consulting\projects\18\18-517-00017.save gas #3\cad\january 2019\18-517-00017_naph figure 6.dwg

TABLES

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
BTMW-1	08/12/03	4357.41	NA	92.21	NA	4265.20
	02/03/04		NA	92.29	NA	4265.12
	05/04/04		NA	92.68	NA	4264.73
	08/06/04		NA	93.05	NA	4264.36
	11/12/04		NA	93.18	NA	4264.23
	05/06/05		NA	91.09	NA	4266.32
	09/27/05		NA	91.48	NA	4265.93
	01/03/06		NA	92.26	NA	4265.15
	04/04/06		NA	92.43	NA	4264.98
	08/26/06		NA	93.36	NA	4264.05
	01/07/08		NA	93.76	NA	4263.65
	10/06/10		NA	95.49	NA	4261.92
	01/20/11		NA	94.30	NA	4263.11
	04/27/11		NA	94.08	NA	4263.33
	08/01/11		NA	94.24	NA	4263.17
	10/27/11		NA	94.14	NA	4263.27
	05/30/12		DRY			
	08/22/12		NA	95.7	NA	4261.71
	06/25/13		NA	90.35	NA	4267.06
	09/26/13		NA	95.41	NA	4262.00
	09/24/14		NA	96.45	NA	4260.96
	12/16/14		NA	96.52	NA	4260.89
	04/02/15		NA	96.85	NA	4260.56
	03/03/16		NA	97.44	NA	4259.97
	06/03/16		NA	97.70	NA	4259.71
	06/25/18		NA	92.34	NA	4265.07
	01/16/19		NA	97.08	NA	4260.33

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
BTMW-2	08/12/03	4357.19	NA	89.58	NA	4267.61
	02/03/04		NA	89.24	NA	4267.95
	05/04/04		NA	89.77	NA	4267.42
	08/06/04		NA	90.01	NA	4267.18
	11/12/04		NA	89.85	NA	4267.34
	05/06/05		NA	86.56	NA	4270.63
	09/27/05		NA	88.26	NA	4268.93
	01/03/06		NA	88.95	NA	4268.24
	04/04/06		NA	89.34	NA	4267.85
	08/26/06		NA	90.03	NA	4267.16
	01/07/08		NA	90.46	NA	4266.73
	10/06/10		NA	89.65	NA	4267.54
	01/20/11		NA	88.75	NA	4268.44
	04/27/11		NA	90.00	NA	4267.19
	08/01/11		NA	90.52	NA	4266.67
	10/27/11		NA	90.18	NA	4267.01
	05/30/12		NA	90.26	NA	4266.93
	08/22/12		NA	90.20	NA	4266.99
	06/25/13		NA	90.65	NA	4266.54
	09/26/13		NA	91.14	NA	4266.05
	09/24/14		NA	92.26	NA	4264.93
	12/16/14		NA	92.69	NA	4264.50
	04/02/15		NA	92.80	NA	4264.39
	03/03/16		NA	92.90	NA	4264.29
	06/03/16		NA	92.28	NA	4264.91
	06/25/18		NA	92.78	NA	4264.41
	01/16/19		NA	91.51	NA	4265.68

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
BTMW-3	08/12/03	4356.17	87.60	87.72	0.12	4268.45
	02/03/04		Not Measured		1.48	NA
	05/04/04		Not Measured		1.63	NA
	08/06/04		87.25	89.04	1.79	4267.13
	11/12/04		85.73	89.14	3.41	4267.03
	05/06/05		84.16	86.74	2.58	4269.43
	09/27/05		86.39	88.10	1.71	4268.07
	01/03/06		86.28	88.85	2.57	4267.32
	04/04/06		85.15	89.88	4.73	4266.29
	08/26/06		88.29	90.06	1.77	4266.11
	01/07/08		90.06	90.28	0.22	4266.05
	10/06/10		See V-5 Converted to SVE Well February 2009			
	04/27/11		See V-5 Converted to SVE Well February 2009			

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
BTMW-4	08/12/03	4356.6	NA	90.72	NA	4265.88
	02/03/04		Not Measured		0.89	NA
	05/04/04		Not Measured		0.84	NA
	08/06/04		90.63	91.08	0.45	4265.92
	11/12/04		90.79	91.28	0.49	4265.75
	05/06/05		88.52	89.99	1.47	4267.90
	09/27/05		89.45	90.47	1.02	4267.03
	01/03/06		90.03	90.92	0.89	4266.46
	04/04/06		90.19	91.24	1.05	4266.28
	08/26/06		89.01	91.79	2.78	4267.26
	01/07/08		91.02	91.48	0.46	4265.52
	10/06/10		95.83	97.15	1.32	4260.61
	01/20/11		93.89	94.31	0.42	4262.66
	04/27/11		94.70	94.98	0.28	4261.87
	08/01/11		NA	94.52	NA	4262.08
	10/27/11		95.23	95.34	0.11	4261.36
	05/30/12		96.36	96.38	0.02	4260.24
	08/22/12		NA	94.50	NA	4262.10
	06/26/13		NA	94.65	NA	4261.95
	09/26/13		NA	94.86	NA	4261.74
	09/24/14		96.42	96.43	0.01	4260.18
	12/16/14		97.08	97.09	0.01	4259.52
	04/02/15		97.62	97.72	0.10	4258.97
	03/04/16		NA	98.48	NA	4258.12
	06/03/16		NA	98.45	NA	4258.15
	06/25/18		Not Gauged			
	01/16/19		NA	98.50	NA	4258.10

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
BTMW-5	08/12/03	4357	NA	88.98	NA	4268.02
	02/03/04		NA	88.03	NA	4268.97
	05/04/04		NA	88.63	NA	4268.37
	08/06/04		NA	88.89	NA	4268.11
	11/12/04		88.71	88.75	0.04	4268.29
	05/06/05		NA	86.22	NA	4270.78
	09/27/05		87.59	87.79	0.20	4269.39
	01/03/06		88.02	88.23	0.21	4268.95
	04/04/06		88.67	88.68	0.01	4268.33
	08/26/06		89.17	89.30	0.13	4267.81
	01/07/08		NA	89.94	NA	4267.06
	10/06/10		NA	90.01	NA	4266.99
	01/20/11		NA	89.74	NA	4267.26
	04/27/11		NA	90.11	NA	4266.89
	08/01/11		NA	90.26	NA	4266.74
	10/27/11		NA	89.92	NA	4267.08
	05/30/12		NA	89.96	NA	4267.04
	08/22/12		NA	90.31	NA	4266.69
	06/26/13		NA	90.58	NA	4266.42
	09/25/13		NA	90.75	NA	4266.25
	09/24/14		NA	91.88	NA	4265.12
	12/15/14		NA	91.83	NA	4265.17
	04/02/15		NA	91.85	NA	4265.15
	03/03/16		NA	91.60	NA	4265.40
	06/02/16		NA	91.51	NA	4265.49
	06/25/18		NA	92.19	NA	4264.81
	01/16/19		NA	94.01	NA	4262.99

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
BTMW-6	05/06/05	4356.19	90.93	91.05	0.12	4265.25
	09/27/05		91.48	91.69	0.21	4264.68
	01/03/06		92.26	92.53	0.27	4263.90
	04/04/06		92.89	93.28	0.39	4263.25
	08/26/06		93.77	94.25	0.48	4262.36
	01/07/08		93.91	94.00	0.09	4262.27
	10/06/10		Not Measured			
	01/20/11		103.18	104.00	0.82	4252.91
	04/27/11		103.61	103.97	0.36	4252.54
	08/01/11		NA	103.74	NA	4252.45
	10/27/11		103.93	103.98	0.05	4252.25
	05/30/12		Not Measured - Could Not Locate			
	08/22/12		DRY			
	09/26/13		DRY			
	09/24/14		NA	104.10	NA	4252.50
	12/16/14		NA	104.11	NA	4252.49
	04/02/15		NA	104.10	NA	4252.50
	03/04/16		NA	104.12	NA	4252.48
	06/02/16		NA	104.12	NA	4252.48
	06/25/18		Not Gauged			
	01/16/19		NA	104.10	NA	4252.50

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
BTMW-7	05/06/05	4355.82	90.77	90.86	0.09	4265.04
	09/27/05		90.12	90.25	0.13	4265.68
	01/03/06		90.72	90.82	0.10	4265.09
	04/04/06		91.33	91.51	0.18	4264.47
	08/26/06		91.15	92.07	0.92	4264.56
	01/07/08		92.32	92.43	0.11	4263.49
	10/06/10		103.13	103.97	0.84	4252.59
	01/20/11		Could Not Locate			
	04/27/11		94.93	98.51	3.58	4260.46
	08/01/11		94.87	98.32	3.45	4260.54
	10/27/11		95.64	95.80	0.16	4260.16
	05/30/12		95.05	95.08	0.03	4260.77
	08/22/12		94.55	94.74	0.19	4261.25
	06/26/13		NA	94.76	NA	4262.59
	09/26/13		NA	95.69	NA	4261.66
	09/24/14		96.83	96.91	0.08	4260.51
	12/16/14		99.14	99.15	0.01	4258.21
	04/02/15		101.22	101.34	0.12	4256.12
	03/04/16		NA	103.84	NA	4253.51
	06/03/16		NA	104.00	NA	4253.35
	06/25/18		Not Gauged			
	01/16/19		NA	104.12	NA	4253.23

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
BTMW-8	05/06/05	4357.35	89.23	89.26	0.03	4268.12
	09/27/05		91.02	91.08	0.06	4266.32
	01/03/06		93.52	93.58	0.06	4263.82
	04/04/06		96.52	96.74	0.22	4260.80
	08/26/06		98.49	99.13	0.64	4258.78
	01/07/08		101.15	101.20	0.05	4256.19
	10/06/10		102.10	102.51	0.41	4255.20
	01/20/11		NA	94.09	NA	4263.26
	04/27/11		NA	94.80	NA	4262.55
	08/01/11		NA	96.65	NA	4260.70
	10/27/11		NA	97.47	NA	4259.88
	05/30/12		97.94	97.96	0.02	4259.41
	08/22/12		NA	94.66	NA	4262.69
	06/26/13		NA	97.02	NA	4260.33
	09/26/13		NA	99.55	NA	4257.80
	09/24/14		101.10	101.12	0.02	4256.25
	12/16/14		101.52	101.53	0.01	4255.83
	04/02/15		NA	101.80	NA	4255.55
	03/02/16		NA	101.85	NA	4255.50
	06/01/16		NA	101.90	NA	4255.45
	06/25/18		NA	102.73	NA	4254.62
	01/16/19		NA	100.71	NA	4256.64

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
BTMW-9	05/06/05	4357.4	NA	90.79	NA	4266.61
	09/27/05		NA	91.41	NA	4265.99
	01/03/06		NA	92.48	NA	4264.92
	04/04/06		NA	93.21	NA	4264.19
	08/26/06		NA	93.91	NA	4263.49
	01/07/08		NA	94.09	NA	4263.31
	10/06/10		96.26	97.10	0.84	4261.04
	01/20/11		94.70	95.50	0.80	4262.60
	04/27/11		94.93	95.21	0.28	4262.44
	08/01/11		94.56	95.24	0.68	4262.76
	10/27/11		NA	94.55	NA	4262.85
	05/30/12		NA	95.70	NA	4261.70
	08/22/12		NA	95.40	NA	4262.00
	06/25/13		NA	96.10	NA	4261.30
	09/26/13		NA	96.25	NA	4261.15
	09/24/14		NA	97.50	NA	4259.90
	12/16/14		NA	99.10	NA	4258.30
	04/02/15		NA	102.00	NA	4255.40
	03/03/16		NA	104.35	NA	4253.05
	06/01/16		Not Gauged			
	06/25/18		Not Gauged			
	01/16/19		NA	100.37	NA	4257.03

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
BTMW-10	05/06/05	4356.39	NA	81.26	NA	4275.13
	09/27/05		NA	83.94	NA	4272.45
	01/03/06		NA	84.56	NA	4271.83
	04/04/06		NA	84.59	NA	4271.80
	08/26/06		NA	83.84	NA	4272.55
	01/07/08		NA	87.50	NA	4268.89
	10/06/10		NA	81.93	NA	4274.46
	01/20/11		NA	83.55	NA	4272.84
	04/27/11		NA	84.49	NA	4271.90
	08/01/11		NA	87.17	NA	4269.22
	10/27/11		NA	83.77	NA	4272.62
	05/30/12		NA	83.71	NA	4272.68
	08/22/12		NA	83.90	NA	4272.49
	06/26/13		NA	85.32	NA	4271.07
	09/26/13		NA	84.15	NA	4272.24
	09/24/14		NA	89.72	NA	4266.67
	12/17/14		NA	85.44	NA	4270.95
	04/02/15		NA	85.45	NA	4270.94
	03/03/16		NA	84.93	NA	4271.46
	06/03/16		NA	85.40	NA	4270.99
	06/25/18		NA	91.00	NA	4265.39
	01/16/19		NA	83.95	NA	4272.44

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
BTMW-11	05/06/05	4357.70	NA	99.93	NA	4257.77
	09/27/05		NA	100.74	NA	4256.96
	01/03/06		NA	103.54	NA	4254.16
	04/04/06		DRY			
	08/25/06		DRY			
	01/07/08		DRY			
	10/06/10		DRY			
	01/20/11		DRY			
	04/27/11		DRY			
	08/01/11		DRY			
	10/27/11		DRY			
	05/30/12		DRY			
	08/22/12		DRY			
	09/26/13		DRY			
	09/24/14		DRY			
	12/17/14		Not Gauged			
	04/02/15		Not Gauged			
	03/04/16		DRY			
	06/01/16		Not Gauged			
	06/25/18		Not Gauged			
	01/16/19		DRY			

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
BTMW-12	05/06/05	4356.62	NA	105.24	NA	4251.38
	09/27/05		NA	105.89	NA	4250.73
	01/03/06		NA	106.97	NA	4249.65
	04/04/06		NA	107.06	NA	4249.56
	08/25/06		DRY			
	01/07/08		DRY			
	10/06/10		DRY			
	01/20/11		DRY			
	04/27/11		DRY			
	08/01/11		DRY			
	10/27/11		DRY			
	05/30/12		DRY			
	08/22/12		DRY			
	04/16/13		Plugged & Abandoned			

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
BTMW-13	05/06/05	4355.21	102.60	102.63	0.03	4252.61
	09/27/05		103.26	103.28	0.02	4251.95
	01/03/06		102.41	102.52	0.11	4252.79
	04/04/06		102.92	103.05	0.13	4252.27
	08/25/06		102.48	102.69	0.21	4252.70
	01/07/08		102.71	102.73	0.02	4252.50
	10/06/10		102.71	102.93	0.22	4252.47
	01/20/11		102.80	102.93	0.13	4252.39
	04/27/11		NA	102.95	NA	4252.26
	08/01/11		NA	102.91	NA	4252.30
	10/27/11		NA	102.81	NA	4252.40
	05/30/12		NA	102.96	NA	4252.25
	08/22/12		NA	103.00	NA	4252.21
	06/25/13		NA	103.28	NA	4251.93
	09/26/13		NA	103.30	NA	4251.91
	09/24/14		NA	103.52	NA	4251.69
	12/16/15		NA	103.63	NA	4251.58
	04/02/15		NA	103.82	NA	4251.39
	03/04/16		Not Gauged			
	06/01/16		Not Gauged			
	06/25/18		Obstruction in Well			
	01/15/19		NA	103.22	NA	4251.99

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
BTMW-14	05/06/05	4353.31	NA	117.84	NA	4235.47
	09/27/05		NA	118.20	NA	4235.11
	01/03/06		NA	118.61	NA	4234.70
	04/04/06		NA	118.53	NA	4234.78
	08/25/06		NA	119.24	NA	4234.07
	01/07/08		Could Not Locate			
	10/06/10		NA	117.49	NA	4235.82
	01/20/11		NA	116.90	NA	4236.41
	04/27/11		NA	116.95	NA	4236.36
	08/01/11		NA	117.88	NA	4235.43
	10/27/11		NA	118.49	NA	4234.82
	05/30/12		NA	118.59	NA	4234.72
	08/22/12		DRY			
	04/16/13		Plugged & Abandoned			

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
BTMW-15	08/25/06	4357.36	NA	91.07	NA	4266.29
	01/07/08		NA	90.71	NA	4266.65
	10/06/10		NA	89.27	NA	4268.09
	01/20/11		NA	88.89	NA	4268.47
	04/27/11		NA	89.73	NA	4267.63
	08/01/11		NA	90.07	NA	4267.29
	10/27/11		NA	89.49	NA	4267.87
	05/30/12		NA	89.85	NA	4267.51
	08/22/12		NA	89.97	NA	4267.39
	06/26/13		NA	90.00	NA	4267.36
	09/26/13		NA	90.42	NA	4266.94
	09/24/14		NA	92.10	NA	4265.26
	12/17/14		NA	92.38	NA	4264.98
	04/02/15		92.13	92.64	0.51	4265.17
	03/04/16		93.30	94.85	1.55	4263.87
	06/02/16		91.27	93.02	1.75	4265.88
	06/25/18		92.66	95.40	2.74	4264.37
	01/16/19		91.20	91.23	0.03	4266.16

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
BTMW-16	08/25/06	4355.71	NA	122.98	NA	4232.73
	01/07/08		NA	120.31	NA	4235.40
	10/06/10		NA	121.43	NA	4234.28
	01/20/11		NA	120.41	NA	4235.30
	04/27/11		NA	120.83	NA	4234.88
	08/01/11		NA	121.89	NA	4233.82
	10/27/11		NA	122.11	NA	4233.60
	05/30/12		NA	122.50	NA	4233.21
	08/22/12		NA	123.31	NA	4232.40
	09/26/13		NA	124.20	NA	4231.51
	09/24/14		Not Gauged			
	12/15/14		Not Gauged			
	04/02/15		Not Gauged			
	03/04/16		NA	124.89	NA	4230.82
	06/01/16		Not Gauged			
	06/25/18		Not Gauged			
	01/16/19		DRY			

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
BTMW-17	08/25/06	4353.02	NA	122.06	NA	4230.96
	01/07/08		NA	118.98	NA	4234.04
	10/06/10		NA	120.20	NA	4232.82
	01/20/11		NA	118.90	NA	4234.12
	04/27/11		NA	119.46	NA	4233.56
	08/01/11		NA	120.90	NA	4232.12
	10/27/11		NA	121.36	NA	4231.66
	05/30/12		DRY			
	08/22/12		NA	122.75	NA	4230.27
	04/16/13		Plugged & Abandoned			
BTMW-18	08/25/06	4353.82	NA	119.16	NA	4234.66
	01/07/08		NA	116.62	NA	4237.20
	10/06/10		NA	116.52	NA	4237.30
	01/20/11		NA	116.52	NA	4237.30
	04/27/11		NA	116.18	NA	4237.64
	08/01/11		NA	116.98	NA	4236.84
	10/27/11		NA	117.73	NA	4236.09
	05/30/12		NA	117.70	NA	4236.12
	08/22/12		DRY			
	04/16/13		Plugged & Abandoned			

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
BTMW-19	08/25/06	4357.76	NA	121.27	NA	4236.49
	01/07/08		NA	121.59	NA	4236.17
	10/06/10		NA	121.79	NA	4235.97
	01/20/11		NA	121.19	NA	4236.57
	04/27/11		NA	121.39	NA	4236.37
	08/01/11		NA	122.32	NA	4235.44
	10/27/11		NA	123.86	NA	4233.90
	05/30/12		NA	122.66	NA	4235.10
	08/22/12		NA	123.62	NA	4234.14
	09/26/13		NA	124.70	NA	4233.06
	09/24/14		Not Gauged			
	12/15/14		Not Gauged			
	04/02/15		Not Gauged			
	03/04/16		NA	125.92	NA	4231.84
	06/01/16		Not Gauged			
	06/25/18		Not Gauged			
	01/16/19		DRY			

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
SMA-1	01/30/02	4355.36	NA	87.24	NA	4268.12
	02/14/02		NA	87.64	NA	4267.72
	04/11/02		NA	87.88	NA	4267.48
	06/25/02		NA	88.26	NA	4267.10
	07/03/02		NA	88.25	NA	4267.11
	01/20/03		NA	88.38	NA	4266.98
	06/24/03		NA	88.43	NA	4266.93
	09/22/03		NA	88.76	NA	4266.60
	12/01/03		NA	89.03	NA	4266.33
	03/04/04		NA	88.85	NA	4266.51
	07/28/04		NA	89.27	NA	4266.09
	10/26/04		NA	89.38	NA	4265.98
	01/25/05		NA	88.51	NA	4266.85
	05/03/05		NA	88.04	NA	4267.32
	10/12/05		NA	88.51	NA	4266.85
	01/13/06		NA	88.92	NA	4266.44
	04/11/06		NA	88.96	NA	4266.40
	01/07/08		NA	90.02	NA	4265.34
	10/06/10		92.67	94.35	1.68	4262.49
	01/20/11		91.95	92.51	0.56	4263.34
	04/27/11		91.60	91.77	0.17	4263.74
	08/01/11		NA	91.62	NA	4263.74
	10/27/11		NA	91.46	NA	4263.90
	05/30/12		NA	91.35	NA	4264.01
	08/22/12		NA	90.90	NA	4264.46
	06/25/13		NA	90.96	NA	4264.40
	09/26/13		NA	91.20	NA	4264.16
	09/24/14		NA	92.60	NA	4262.76
	12/16/14		NA	92.74	NA	4262.62
	04/02/15		NA	93.71	NA	4261.65
	03/02/16		NA	93.94	NA	4261.42
	06/02/16		NA	94.67	NA	4260.69
	06/25/18		NA	95.94	NA	4259.42
	01/15/19		NA	96.31	NA	4259.05

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
SMA-2	01/30/02	4356.51	NA	85.55	NA	4270.96
	06/25/02		NA	88.00	NA	4268.51
	07/03/02		NA	87.88	NA	4268.63
	01/20/03		NA	87.85	NA	4268.66
	06/24/03		NA	88.00	NA	4268.51
	09/22/03		NA	88.41	NA	4268.10
	12/01/03		NA	88.71	NA	4267.80
	03/04/04		NA	88.73	NA	4267.78
	07/28/04		NA	89.45	NA	4267.06
	10/26/04		NA	89.35	NA	4267.16
	01/25/05		NA	88.85	NA	4267.66
	05/03/05		NA	86.47	NA	4270.04
	10/10/05		NA	88.01	NA	4268.50
	01/12/06		NA	88.35	NA	4268.16
	04/11/06		NA	88.82	NA	4267.69
	01/07/08		NA	90.95	NA	4265.56
	10/06/10		NA	92.39	NA	4264.12
	01/20/11		NA	91.28	NA	4265.23
	04/27/11		NA	91.42	NA	4265.09
	08/01/11		NA	91.67	NA	4264.84
	10/27/11		NA	91.39	NA	4265.12
	05/30/12		NA	91.20	NA	4265.31
	08/22/12		NA	91.02	NA	4265.49
	06/25/13		NA	91.63	NA	4264.88
	09/26/13		NA	91.92	NA	4264.59
	09/24/14		NA	93.40	NA	4263.11
	12/15/14		NA	93.31	NA	4263.20
	04/02/15		NA	93.80	NA	4262.71
	03/03/16		NA	93.77	NA	4262.74
	06/03/16		NA	94.22	NA	4262.29
	06/25/18		NA	91.73	NA	4264.78
	01/16/19		NA	93.92	NA	4262.59

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
SMA-3	01/30/02	4355.50	NA	84.64	NA	4270.86
	06/25/02		NA	85.18	NA	4270.32
	07/03/02		NA	87.18	NA	4268.32
	01/20/03		85.76	Not Measured		
	06/24/03		85.80	Not Measured		
	09/22/03		85.97	Not Measured		
	12/01/03		86.07	Not Measured		
	03/03/04		86.02	Not Measured		
	07/28/04		86.15	Not Measured		
	10/26/04		86.30	Not Measured		
	01/25/05		86.10	Not Measured		
	05/03/05		85.80	Not Measured		
	10/10/05		86.02	Not Measured		
	01/12/06		86.65	Not Measured		
	04/11/06		86.82	Not Measured		
	01/07/08		87.80	87.85	0.05	4267.69
	10/06/10		87.80	87.85	0.05	4267.69
	01/20/11		Could Not Locate			
	04/27/11		NA	88.59	NA	4266.91
	08/01/11		NA	88.56	NA	4266.94
	10/27/11		NA	88.61	NA	4266.89
	05/30/12		DRY			
	08/22/13		DRY			
	04/17/13		Plugged & Abandoned			

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
SMA-4	01/30/02	4355.60	NA	84.03	NA	4271.57
	06/25/02		NA	85.95	NA	4269.65
	07/03/02		NA	86.18	NA	4269.42
	01/20/03		NA	86.04	NA	4269.56
	06/24/03		NA	86.07	NA	4269.53
	09/22/03		NA	86.6	NA	4269.00
	12/01/03		NA	86.98	NA	4268.62
	03/03/04		NA	86.85	NA	4268.75
	07/28/04		NA	87.47	NA	4268.13
	10/26/04		NA	87.44	NA	4268.16
	01/25/05		NA	85.11	NA	4270.49
	05/03/05		NA	85.17	NA	4270.43
	10/10/05		NA	86.37	NA	4269.23
	01/12/06		NA	86.80	NA	4268.80
	04/11/06		NA	87.34	NA	4268.26
	01/07/08		88.37	90.00	1.63	4267.03
	10/06/10		NA	90.42	NA	4265.18
	01/20/11		NA	89.68	NA	4265.92
	04/27/11		NA	89.58	NA	4266.02
	08/01/11		NA	90.14	NA	4265.46
	10/27/11		NA	89.86	NA	4265.74
	05/30/12		NA	89.75	NA	4265.85
	08/22/12		NA	89.42	NA	4266.18
	06/26/13		NA	93.35	NA	4262.25
	09/26/13		NA	90.26	NA	4265.34
	09/24/14		DRY			
	12/17/14		DRY			
	04/02/15		DRY			
	03/03/16		Not Gauged			
	06/02/16		Not Gauged			
	06/25/18		Not Gauged			
	01/16/19		Not Gauged			

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
SMA-5	1/30/02	4354.95	NA	92.17	NA	4262.78
	2/14/02		NA	91.92	NA	4263.03
	4/11/02		NA	91.63	NA	4263.32
	6/25/02		DRY			
	7/3/02		NA	91.24	NA	4263.71
	1/20/03		NA	90.91	NA	4264.04
	6/24/03		DRY			
	9/22/03		DRY			
	12/1/03		DRY			
	3/3/04		DRY			
	7/28/04		DRY			
	10/26/04		DRY			
	1/25/05		DRY			
	5/3/05		DRY			
	10/10/05		DRY			
	1/12/06		DRY			
	4/11/06		NA	90.48	NA	4264.47
	01/07/08		NA	91.39	NA	4263.56
	10/06/10		NA	92.00	NA	4262.95
	01/20/11		Could Not Locate			
	04/27/11		NA	91.89	NA	4263.06
	08/01/11		NA	91.93	NA	4263.02
	10/27/11		NA	91.99	NA	4262.96
	05/30/12		DRY			
	08/22/12		Could Not Locate			
	09/26/13		Could Not Locate			
	09/24/14		Could Not Locate			
	12/15/14		Could Not Locate			
	04/02/15		Could Not Locate			
	03/03/16		Could Not Locate			
	06/03/16		Could Not Locate			
	06/25/18		Could Not Locate			
	01/16/19		Could Not Locate			

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
SMA-6	06/25/02	4356.88	NA	85.06	NA	4271.82
	07/03/02		NA	89.30	NA	4267.58
	01/20/03		NA	85.45	NA	4271.43
	06/24/03		NA	85.80	NA	4271.08
	09/22/03		NA	87.30	NA	4269.58
	12/01/03		NA	86.63	NA	4270.25
	03/03/04		NA	86.83	NA	4270.05
	07/28/04		NA	87.34	NA	4269.54
	10/26/04		NA	87.03	NA	4269.85
	01/25/05		NA	83.78	NA	4273.10
	05/03/05		NA	84.23	NA	4272.65
	10/10/05		NA	85.36	NA	4271.52
	01/12/06		NA	88.60	NA	4268.28
	04/11/06		NA	85.91	NA	4270.97
	01/07/08		NA	89.24	NA	4267.64
	10/06/10		See V-11 Converted to SVE Well February 2009			
	04/27/11		See V-11 Converted to SVE Well February 2009			

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
SMA-7	06/25/02	4356.89	NA	95.75	NA	4261.14
	07/03/02		NA	95.18	NA	4261.71
	01/20/03		NA	92.17	NA	4264.72
	06/24/03		NA	91.11	NA	4265.78
	09/22/03		NA	91.69	NA	4265.20
	12/01/03		NA	91.83	NA	4265.06
	03/03/04		NA	91.81	NA	4265.08
	06/28/04		NA	92.35	NA	4264.54
	10/26/04		NA	91.98	NA	4264.91
	01/25/05		NA	84.58	NA	4272.31
	05/03/05		NA	86.68	NA	4270.21
	10/10/05		NA	89.96	NA	4266.93
	01/12/06		NA	90.47	NA	4266.42
	04/11/06		NA	91.18	NA	4265.71
	01/07/08		NA	98.10	NA	4258.79
	10/06/10		NA	92.26	NA	4264.63
	01/20/11		NA	92.08	NA	4264.81
	04/27/11		NA	93.73	NA	4263.16
	08/01/11		NA	92.77	NA	4264.12
	10/27/11		NA	92.35	NA	4264.54
	05/30/12		NA	92.20	NA	4264.69
	08/22/12		NA	92.21	NA	4264.68
	06/25/13		NA	93.10	NA	4263.79
	09/26/13		NA	93.34	NA	4263.55
	09/24/14		NA	95.10	NA	4261.79
	12/15/14		NA	95.15	NA	4261.74
	04/02/15		NA	95.60	NA	4261.29
	03/03/16		NA	95.53	NA	4261.36
	06/02/16		NA	95.72	NA	4261.17
	06/25/18		NA	96.53	NA	4260.36
	01/16/19		NA	95.04	NA	4261.85

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
SMA-8	06/25/02	4354.45	NA	88.71	NA	4265.74
	01/20/03		NA	88.32	NA	4266.13
	06/24/03		NA	88.38	NA	4266.07
	09/22/03		NA	88.75	NA	4265.70
	12/01/03		NA	89.05	NA	4265.40
	03/03/04		NA	88.83	NA	4265.62
	07/28/04		NA	89.00	NA	4265.45
	10/26/04		NA	89.24	NA	4265.21
	05/03/05		NA	88.26	NA	4266.19
	10/10/05		NA	87.81	NA	4266.64
	01/12/05		NA	87.80	NA	4266.65
	04/11/06		NA	88.02	NA	4266.43
	01/07/08		NA	89.35	NA	4265.10
	10/06/10		NA	90.50	NA	4263.95
	01/20/11		NA	88.01	NA	4266.44
	04/27/11		NA	88.78	NA	4265.67
	08/01/11		NA	88.75	NA	4265.70
	10/27/11		NA	88.35	NA	4266.10
	05/30/12		Could Not Locate			
	08/22/12		Could Not Locate			
	09/26/13		Could Not Locate			
	09/24/14		Well Destroyed			

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
SMA-9	06/25/02	4354.28	NA	115.60	NA	4238.68
	07/03/02		NA	115.11	NA	4239.17
	01/20/03		NA	114.91	NA	4239.37
	06/24/03		NA	115.35	NA	4238.93
	09/22/03		NA	116.15	NA	4238.13
	12/01/03		NA	116.15	NA	4238.13
	03/03/04		NA	115.52	NA	4238.76
	07/28/04		NA	116.31	NA	4237.97
	10/26/04		NA	116.47	NA	4237.81
	01/25/05		NA	116.57	NA	4237.71
	05/03/05		NA	116.01	NA	4238.27
	10/10/05		NA	116.74	NA	4237.54
	01/12/06		NA	116.16	NA	4238.12
	04/11/06		NA	116.29	NA	4237.99
	01/07/08		NA	115.26	NA	4239.02
	10/06/10		NA	115.54	NA	4238.74
	01/20/11		NA	115.40	NA	4238.88
	04/27/11		NA	115.45	NA	4238.83
	08/01/11		NA	116.01	NA	4238.27
	10/27/11		NA	116.28	NA	4238.00
	05/30/12		NA	116.45	NA	4237.83
	08/22/12		NA	116.93	NA	4237.35
	06/25/13		NA	117.35	NA	4236.93
	09/25/13		NA	117.90	NA	4236.38
	09/24/14		NA	117.97	NA	4236.31
	12/17/14		NA	117.86	NA	4236.42
	04/01/15		NA	117.67	NA	4236.61
	03/02/16		NA	118.29	NA	4235.99
	06/01/16		NA	118.40	NA	4235.88
	06/25/18		NA	119.92	NA	4234.36
	01/15/19		NA	120.39	NA	4233.89

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
SMA-10	06/25/02	4355.32	DRY			
	07/03/02		NA	90.99	NA	4264.33
	01/20/03		NA	93.08	NA	4262.24
	06/24/03		NA	92.00	NA	4263.32
	09/22/03		NA	93.87	NA	4261.45
	12/01/03		NA	94.38	NA	4260.94
	03/03/04		NA	90.20	NA	4265.12
	07/28/04		NA	92.85	NA	4262.47
	10/26/04		NA	92.50	NA	4262.82
	01/25/05		NA	89.60	NA	4265.72
	05/03/05		NA	88.82	NA	4266.50
	10/10/05		NA	89.48	NA	4265.84
	01/12/06		NA	89.82	NA	4265.50
	04/11/06		NA	88.94	NA	4266.38
	01/07/08		DRY			
	10/06/10		DRY			
	01/20/11		Could Not Locate - Paved Over			
	04/27/11		Could Not Locate - Paved Over			

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
SMA-11	01/20/03	4357.43	NA	91.88	NA	4265.55
	06/24/03		Not Measured			
	08/12/03		Not Measured			
	09/22/03		Not Measured			
	12/01/03		Not Measured			
	02/03/04		Not Measured			
	03/03/04		Not Measured			
	05/04/04		Not Measured			
	07/28/04		Not Measured			
	08/06/04		Not Measured			
	11/12/04		100.22	100.74	0.52	4257.15
	05/06/05		NA	94.30	NA	4263.13
	09/27/05		NA	94.82	NA	4262.61
	01/03/06		NA	97.02	NA	4260.41
	04/04/06		99.54	99.76	0.22	4257.86
	08/25/06		101.57	102.04	0.47	4255.80
	01/07/08		102.80	102.96	0.16	4254.61
	10/06/10		NA	101.91	NA	4255.52
	01/20/11		NA	103.02	NA	4254.41
	04/27/11		NA	103.79	NA	4253.64
	08/01/11		NA	103.71	NA	4253.72
	10/27/11		NA	103.76	NA	4253.67
	05/30/12		DRY			
	08/22/12		DRY			
	04/17/13		Plugged & Abandoned			

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
SMA-12	01/20/03	4356.32	NA	93.99	NA	4262.33
	06/24/03		NA	91.30	NA	4265.02
	09/23/03		NA	93.60	NA	4262.72
	12/01/03		NA	93.65	NA	4262.67
	02/03/04		NA	93.78	NA	4262.54
	03/03/04		NA	93.93	NA	4262.39
	05/04/04		NA	93.99	NA	4262.33
	07/28/04		94.34	Not Measured		
	08/06/04		NA	94.44	NA	4261.88
	11/12/04		NA	95.12	NA	4261.20
	05/06/05		94.00	94.11	0.11	4262.31
	09/27/05		95.48	95.76	0.28	4260.81
	01/03/06		96.36	96.69	0.33	4259.92
	04/04/06		98.35	98.86	0.51	4257.91
	08/25/06		102.20	102.63	0.43	4254.07
	01/07/08		103.71	103.73	0.02	4252.61
	10/06/10		NA	103.93	NA	4252.39
	01/20/11		NA	103.60	NA	4252.72
	04/27/11		NA	104.10	NA	4252.22
	08/01/11		NA	104.07	NA	4252.25
	10/27/11		NA	104.11	NA	4252.21
	05/30/12		DRY			
	08/22/12		DRY			
	04/17/13		Plugged & Abandoned			

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
SMA-13	01/20/03	4352.96	NA	144.49	NA	4208.47
	06/24/03		NA	116.68	NA	4236.28
	09/22/03		NA	117.71	NA	4235.25
	12/01/03		NA	117.23	NA	4235.73
	03/03/04		NA	116.41	NA	4236.55
	07/28/04		NA	117.81	NA	4235.15
	10/26/04		NA	117.75	NA	4235.21
	01/25/05		NA	116.98	NA	4235.98
	05/03/05		NA	116.92	NA	4236.04
	10/10/05		NA	117.91	NA	4235.05
	01/12/06		NA	117.31	NA	4235.65
	04/11/06		NA	117.31	NA	4235.65
	01/07/08		NA	115.45	NA	4237.51
	10/06/10		Not Measured Could Not Locate			
	01/20/11		Not Measured Could Not Locate			
	04/27/11		Not Measured Could Not Locate			
	08/01/11		Not Measured Could Not Locate			
	10/28/11		NA	117.11	NA	4235.85
	05/30/12		Could Not Locate			
	08/22/12		Could Not locate			
	09/26/13		Could Not Locate			
	09/24/14		Could Not Locate			
	12/15/14		Could Not Locate			
	04/02/15		Could Not Locate			
	03/03/16		Could Not Locate			
	06/02/16		Could Not Locate			
	06/25/18		Could Not Locate			
	01/15/19		Could Not Locate			

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
SMA-14	1/20/03	4356.42	DRY			
	6/24/03		DRY			
	9/22/03		DRY			
	12/1/03		NA	92.75	NA	4263.67
	03/03/04		NA	92.21	NA	4264.21
	07/28/04		NA	92.60	NA	4263.82
	10/26/04		NA	92.75	NA	4263.67
	01/25/05		NA	91.80	NA	4264.62
	05/03/05		NA	88.65	NA	4267.77
	10/10/05		NA	91.76	NA	4264.66
	01/12/06		NA	92.15	NA	4264.27
	01/07/08		NA	92.75	NA	4263.67
	10/06/10		NA	91.35	NA	4265.07
	01/20/11		NA	91.12	NA	4265.30
	04/27/11		NA	91.03	NA	4265.39
	08/01/11		NA	87.85	NA	4268.57
	10/28/11		NA	85.83	NA	4270.59
	05/30/12		NA	84.10	NA	4272.32
	08/22/12		NA	84.10	NA	4272.32
	09/26/13		NA	85.35	NA	4271.07
	09/24/14		Not Guaged			
	12/17/14		NA	89.65	NA	4266.77
	04/01/15		NA	92.75	NA	4263.67
	03/04/16		NA	92.77	NA	4263.65
	06/02/16		NA	92.75	NA	4263.67
	06/25/18		NA	93.78	NA	4262.64
	01/16/19		NA	92.80	NA	4263.62

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
SMA-15	01/20/03	4354.31	NA	116.01	NA	4238.30
	06/24/03		NA	117.02	NA	4237.29
	09/22/03		NA	118.03	NA	4236.28
	12/01/03		NA	118.97	NA	4235.34
	03/03/04		NA	116.76	NA	4237.55
	07/28/04		NA	118.04	NA	4236.27
	10/26/04		NA	118.20	NA	4236.11
	01/25/05		NA	117.39	NA	4236.92
	05/03/05		NA	117.44	NA	4236.87
	10/10/05		NA	118.68	NA	4235.63
	01/12/05		NA	117.82	NA	4236.49
	04/11/06		NA	118.01	NA	4236.30
	01/07/08		NA	116.69	NA	4237.62
	10/06/10		NA	116.85	NA	4237.46
	01/20/11		Could Not Locate			
	04/27/11		Could Not Locate			
	08/01/11		NA	117.50	NA	4236.81
	10/28/11		NA	117.93	NA	4236.38
	05/30/12		NA	117.8	NA	4236.51
	08/22/12		NA	118.73	NA	4235.58
	09/26/13		NA	119.58	NA	4234.73
	09/24/14		NA	120.65	NA	4233.66
	12/17/14		NA	120.21	NA	4234.10
	12/17/14		NA	120.21	NA	4234.10
	04/02/15		NA	119.78	NA	4234.53
	03/02/16		NA	120.43	NA	4233.88
	06/01/16		NA	121	NA	4233.31
	06/25/18		NA	123.66	NA	4230.65
	01/15/19		NA	123.58	NA	4230.73

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
V-1	10/06/10	NS	NA	101.49	NA	
	01/20/11		NA	94.05	NA	
	04/27/11		NA	90.51	NA	
	08/01/11		NA	91.63	NA	
	10/27/11		NA	91.18	NA	
	05/30/12		NA	90.80	NA	
	08/22/12		NA	90.53	NA	
V-2	10/06/10	NS	NA	99.73	NA	
	01/20/11		NA	101.72	NA	
	04/27/11		NA	93.72	NA	
	08/01/11		NA	97.67	NA	
	10/27/11		NA	102.60	NA	
	05/30/12		NA	102.60	NA	
	08/22/12		NA	102.84	NA	
V-3	10/06/10	NS	101.83	NA	1.17	
	01/20/11		97.97	98.28	0.31	
	04/27/11		101.62	NA	1.38	
	08/01/11		101.56	102.10	0.54	
	10/27/11		DRY			
	05/30/12		NA	101.70	NA	
	08/22/12		NA	101.10	NA	

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
V-4	10/06/10	NS	NA	96.29	NA	
	01/20/11		DRY			
	04/27/11		NA	98.95	NA	
	08/01/11		DRY			
	10/27/11		NA	102.32	NA	
	05/30/12		DRY			
	08/22/12		NA	102.29	NA	
V-5	10/06/10	NS	NA	104.80	NA	
	01/20/11		NA	104.80	NA	
	04/27/11		NA	104.70	NA	
	08/01/11		NA	104.66	NA	
	10/27/11		DRY			
	05/30/12		NA	103.73	NA	
	08/22/12		NA	104.72	NA	
V-6	10/06/10	NS	Dry			
	01/20/11		NA	102.00	NA	
	04/27/11		NA	97.41	NA	
	08/01/11		NA	99.01	NA	
	10/27/11		NA	98.52	NA	
	05/30/12		DRY			
	08/22/12		DRY			
V-7	10/06/10	NS	NA	97.53	NA	
	01/20/11		NA	101.73	NA	
	04/27/11		NA	99.06	NA	
	08/01/11		DRY			
	10/27/11		NA	97.32	NA	
	05/30/12		NA	97.39	NA	
	08/22/12		Rock Jammed Inside Casing-Could Not Gauge			

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
V-8	10/06/10	NS	NA	94.46	NA	
	01/20/11		NA	102.34	NA	
	04/27/11		NA	98.63	NA	
	08/01/11		NA	98.29	NA	
	10/27/11		NA	102.30	NA	
	05/30/12		NA	94.32	NA	
	08/22/12		DRY			
V-9	10/06/10	NS	NA	90.50	NA	
	01/20/11		NA	90.95	NA	
	04/27/11		NA	90.21	NA	
	08/01/11		NA	90.67	NA	
	10/27/11		NA	90.51	NA	
	05/30/12		NA	90.50	NA	
	08/22/12		NA	90.29	NA	
V-10	10/06/10	NS	NA	90.33	NA	
	01/20/11		NA	90.45	NA	
	04/27/11		NA	90.40	NA	
	08/01/11		NA	90.62	NA	
	10/27/11		NA	90.27	NA	
	05/30/12		NA	90.32	NA	
	08/22/12		NA	90.64	NA	
V-11	10/06/10	NS	NA	91.11	NA	
	01/20/11		NA	89.72	NA	
	04/27/11		NA	90.23	NA	
	08/01/11		NA	91.08	NA	
	10/27/11		NA	90.37	NA	
	05/30/12		NA	90.22	NA	
	08/22/12		NA	90.09	NA	

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
V-12	10/06/10	NS	NA	94.12	NA	
	01/20/11		NA	92.15	NA	
	04/27/11		NA	91.63	NA	
	08/01/11		NA	91.71	NA	
	10/27/11		NA	91.56	NA	
	05/30/12		NA	91.34	NA	
	08/22/12		NA	91.20	NA	
V-13	10/06/10	NS	Dry			
	01/20/11		NA	94.70	NA	
	04/27/11		NA	95.07	NA	
	08/01/11		NA	95.03	NA	
	10/27/11		NA	92.64	NA	
	05/30/12		NA	96.97	NA	
	08/22/12		NA	95.09	NA	
V-14	10/06/10	NS	NA	101.52	NA	
	01/20/11		NA	96.90		
	04/27/11		NA	89.99	NA	
	08/01/11		DRY			
	10/27/11		NA	101.36	NA	
	05/30/12		NA	100.10	NA	
	08/22/12		Rock Jammed Inside Casing-Could Not Gauge			
V-15	10/06/10	NS	97.5	99.70	2.20	
	01/20/11		90.78	91.08	0.30	
	04/27/11		93.13	93.34	0.21	
	08/01/11		93.71	93.74	0.03	
	10/27/11		NA	94.03	NA	
	05/30/12		NA	94.00	NA	
	08/22/12		NA	92.89	NA	

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
A1	06/25/13	4355.67	NA	85.28	NA	4270.39
	09/26/13		85.57	85.58	0.01	4271.78
	09/24/14		86.26	86.31	0.05	4271.08
	12/17/14		85.83	86.85	1.02	4271.40
	04/01/15		91.10	92.65	1.55	4266.06
	03/02/16		95.50	96.48	0.98	4261.73
	05/31/16		86.81	87.12	0.31	4270.50
	06/25/18		99.19	99.77	0.58	4258.09
	01/15/19		NA	98.95	NA	4258.40
A2	06/25/13	4356.84	NA	112.50	NA	4244.34
	09/26/13		NA	112.62	NA	4244.22
	09/24/14		NA	118.30	NA	4238.54
	12/16/14		NA	117.05	NA	4239.79
	04/02/15		NA	107.29	NA	4249.55
	03/03/16		NA	113.33	NA	4243.51
	06/02/16		NA	113.89	NA	4242.95
	06/25/18		NA	113.41	NA	4243.43
	01/16/19		NA	111.95	NA	4244.89
A3	06/25/13	4356.26	NA	117.40	NA	4238.86
	09/26/13		NA	116.60	NA	4239.66
	09/24/14		NA	117.84	NA	4238.42
	12/16/14		NA	117.40	NA	4238.86
	04/02/15		NA	118.10	NA	4238.16
	03/02/16		NA	119.27	NA	4236.99
	06/01/16		NA	119.45	NA	4236.81
	06/25/18		NA	120.20	NA	4236.06
	01/15/19		NA	124.57	NA	4231.69
A4	06/26/13	4355.67	NA	123.82	NA	4231.85
	09/26/13		NA	123.85	NA	4231.82
	09/24/14		NA	125.42	NA	4230.25
	12/17/14		NA	124.46	NA	4231.21
	04/01/15		NA	123.63	NA	4232.04
	03/02/16		NA	124.40	NA	4231.27
	06/01/16		NA	125.47	NA	4230.20
	06/25/18		NA	126.96	NA	4228.71
	01/15/19		NA	127.62	NA	4228.05

Table 1
Groundwater Gauging Summary

Monitoring Well Location	Gauging Date M/D/Y	Top of Casing Elevation (feet)	Depth to Product (feet)	Depth to Water (feet)	NAPL Thickness	Groundwater Elevation (feet)
A5	06/26/13	4354.72	NA	123.34	NA	4231.38
	09/26/13		NA	123.34	NA	4231.38
	09/24/14		NA	124.95	NA	4229.77
	12/17/14		NA	123.92	NA	4230.80
	04/02/15		NA	123.63	NA	4231.09
	03/02/16		NA	123.88	NA	4230.84
	06/01/16		NA	124.95	NA	4229.77
	06/25/18		NA	128.74	NA	4225.98
	01/15/19		NA	127.00	NA	4227.72
A6	03/01/16	4354.76	NA	118.12	NA	4236.64
	06/01/16		NA	118.72	NA	4236.04
	06/25/18		NA	119.31	NA	4235.45
	01/15/19		NA	119.55	NA	4235.21
A7	03/01/16	4356.07	NA	123.34	NA	4232.73
	06/01/16		NA	112.34	NA	4243.73
	06/25/18		NA	108.72	NA	4247.35
	01/15/19		NA	107.05	NA	4249.02
A8	03/01/16	4356.52	NA	123.34	NA	4233.18
	06/01/16		DRY			
	06/25/18		NA	123.34	NA	4233.18
	01/15/19		NA	128.72	NA	4227.80
A9	06/25/18	4356.93	NA	129.22	NA	4227.71
	01/16/19		Dry			

Table 2
Groundwater Field Screening Summary

Well	Temperature (ºC)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	ρH	Oxidation-Reduction Potential
BTMW-1	22.3	502	1.41	7.40	-6.40
BTMW-2	21.0	1912	1.81	6.60	-39.70
BTMW-5	19.8	1642	3.22	6.90	133.80
BTMW-8	20.2	697	1.57	6.70	-96.70
BTMW-9	20.0	524	4.21	7.40	102.30
BTMW-10	22.1	1593	2.46	6.90	162.40
BTMW-13	19.6	676	0.54	7.00	0.40
SMA-1	21.5	605.0	0.38	7.4	-123.90
SMA-2	17.7	1006	3.62	7.10	442.00
SMA-7	18.6	1225	2.00	6.90	117.10
SMA-9	19.2	345	0.31	7.80	236.10
A-1	Not Enough Water for Field Parameters				
A-2	18.5	1147	6.51	7.20	73.40
A-4	20.4	563	4.02	7.40	247.10
A-5	20.6	607	2.99	7.20	272.60
A-6	Not Enough Water for Field Parameters				
A-7	21.8	801	2.84	7.10	166.50
A-8	19.9	526	3.76	7.50	199.90

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
BTMW-1	08/12/03	11000	<1.0	1900	6279	<1.0	18	1400	910	<4.0
	02/03/04	16000	28	3600	8400	<1.0	24	1700	1920	270
	05/04/04	17000	<1.0	2200	6200	<1.0	<1.0	1600	1390	<4.0
	08/06/04	15000	<1.0	2200	5308	<1.0	21	1800	1250	170
	11/12/04	14000	<1.0	2600	5100	<1.0	<1.0	1800	240	<4.0
	05/06/05	12000	<1.0	1300	4100	<1.0	18	1500	1100	<4.0
	09/27/05	13000	<1.0	2400	5000	<1.0	26	1800	1710	500
	01/03/06	21000	<1.0	3500	6100	<1.0	25	2500	1920	570
	04/04/06	18000	<1.0	3900	6500	<1.0	21	2500	2090	520
	08/26/06	14000	<1.0	530	4100	<1.0	16	1900	1590	190
	01/09/08	13000	<1.0	2100	1200	<1.0	<1.0	1100	1070	150
	07/22/10	6000	490	410	960	<1.0	<1.0	960	330	55
	01/20/11	6800	1.4	670	6.1	<1.0	3.5	1100	400	83.5
	04/27/11	4800	<1.0	460	<1.5	<1.0	<1.0	880	267	65
	07/28/11	5500	<1.0	470	<1.5	<1.0	<1.0	1100	490	70
	10/27/11	4700	<1.0	260	<1.5	<1.0	<1.0	940	272	46
	05/30/12	DRY								
	08/22/12	3000	<1.0	110	<1.5	<1.0	<1.0	800	42	24
	06/25/13	10	<10	<10	<15	<10	<10	380	<10	<20
	09/26/13	7.7	<5.0	<5.0	<7.5	<5.0	<5.0	490	<5.0	<10
	09/25/14	13	<5.0	<5.0	<7.5	<5.0	<5.0	540	<5.0	<10
	12/16/14	13	<5.0	<5.0	<7.5	<5.0	<5.0	440	<5.0	<10
	04/02/15	23	<5.0	<5.0	<7.5	<5.0	<5.0	610	<5.0	<10
	03/03/16	86	<5.0	<5.0	<7.5	<5.0	<5.0	440	<5.0	<10
	06/03/16	170	<5.0	<5.0	<7.5	<5.0	<5.0	350	<5.0	<10
	06/26/18	220	<5.0	<5.0	<7.5	<5.0	<5.0	320	<5.0	16
	01/16/19	270	<2.0	2.2	<3.0	<2.0	<2.0	290	<2.0	20

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
BTMW-2	08/12/03	15000	22000	3500	12000	<1.0	290	800	1480	<4.0
	02/03/04	26000	50000	5900	21000	<1.0	420	2100	3280	530
	05/04/04	27000	33000	4100	16000	<1.0	690	2100	1900	<4.0
	08/06/04	22000	36000	3500	14800	<1.0	440	2100	2190	520
	11/12/04	19000	36000	2900	13700	<1.0	410	2100	<1.0	690
	05/06/05	19000	40000	5100	17000	<1.0	760	1400	2530	660
	09/27/05	21000	38000	5100	18000	<1.0	350	2000	3440	1000
	01/03/06	19000	37000	3900	15000	<1.0	400	1700	2100	<4.0
	04/04/06	26000	45000	5900	21000	<1.0	260	2600	2900	1300
	08/26/06	20000	24000	4300	13900	<1.0	230	2200	1670	470
	01/08/08	22000	17000	3700	11000	<1.0	180	1500	2480	660
	07/22/10	17000	11000	2100	7500	<1.0	110	1200	1520	450
	01/20/11	13000	26000	2300	11000	<1.0	180	1200	1890	310
	04/27/11	5500	13000	260	6500	<1.0	110	1200	780	100
	10/27/11	7900	13000	940	5500	<1.0	130	1300	870	100
	05/30/12	17000	18000	2200	9000	<1.0	150	1100	1520	370
	08/22/12	14000	20000	2000	9900	<1.0	160	1200	1380	330
	06/25/13	9800	7300	1400	4700	<50	77	1000	930	260
	09/26/13	21000	13000	2400	9000	<50	90	1300	1490	500
	09/25/14	18000	6700	1700	6000	<50	50	1100	1480	500
	09/25/14	18000	6700	1700	6000	<50	50	1100	1480	500
	12/16/14	10000	5900	1300	5500	<50	<50	800	1000	370
	04/02/15	3300	830	400	1800	<10	21	590	297	120
	03/03/16	5300	250	690	1700	<10	<10	480	460	150
	06/03/16	690	34	91	150	<5.0	<5.0	180	72	29
	06/26/18	5500	110	580	1200	<5.0	<5.0	830	620	319
	01/16/19	2600	49	260	170	<20	<20	310	205	67

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
BTMW-3	08/12/03	0.1 ft NAPL								
	02/03/04	1.48 ft NAPL								
	05/04/04	0.45 ft NAPL								
	08/06/04	1.79 ft NAPL								
	11/12/04	3.41 ft NAPL								
	05/06/05	2.58 ft NAPL								
	09/27/05	1.71 ft NAPL								
	01/03/06	2.57 ft NAPL								
	04/04/06	4.73 ft NAPL								
	08/26/06	1.77 ft NAPL								
	01/08/08	2.5 ft NAPL								
	Feb-09	Converted to SVE Well V-5								

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
BTMW-4	08/12/03	45000	45000	3400	14300	<1.0	580	2000	1400	<4.0
	02/03/04	0.89 ft NAPL								
	05/04/04	0.84 ft NAPL								
	08/06/04	0.45 ft NAPL								
	11/12/04	0.49 ft NAPL								
	05/06/05	1.47 ft NAPL								
	09/27/05	1.02 ft NAPL								
	01/03/06	0.89 ft NAPL								
	04/04/06	1.05 ft NAPL								
	08/26/06	2.78 ft NAPL								
	01/08/08	0.46 ft NAPL								
	10/27/11	0.11 ft NAPL								
	05/30/12	0.02 ft NAPL								
	08/22/12	4800	9700	3100	20000	<0.05	170	430	3990	1390
	06/26/13	9600	13000	2700	19000	<50	180	670	5000	1200
	09/26/13	5200	6300	1100	13000	<50	180	580	4900	1400
	09/25/14	0.01 ' NAPL								
	12/16/14	0.01 ' NAPL								
	04/02/15	0.10 ' NAPL								
	03/03/16	Not Sampled								

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
BTMW-5	08/12/03	8800	8400	1700	6700	<1.0	9.4	100	1820	<4.0
	02/03/04	8000	350	1900	2300	<1.0	0.61	86	2280	280
	05/04/04	8500	<1.0	1300	1400	<1.0	<1.0	<1.0	1980	<4.0
	08/06/04	6600	<1.0	1600	2580	<1.0	<1.0	280	2410	340
	11/12/04	0.04 ft NAPL								
	05/06/05	9500	170	1800	1800	<1.0	0.62	100	2420	220
	09/27/05	0.2 ft NAPL								
	01/03/06	0.2 ft NAPL								
	04/04/06	Sheen of NAPL								
	08/26/06	0.13 ft NAPL								
	01/08/08	7100	84	740	330	<1.0	<1.0	74	1440	220
	10/27/11	100	<1.0	60	<1.5	<1.0	<1.0	48	310	64
	05/30/12	27	<1.0	36	6.6	<1.0	<1.0	23	360	28
	08/22/12	14	<1.0	34	<1.5	<1.0	<1.0	57	194	79
	06/25/13	<5.0	<5.0	6.4	<7.5	<5.0	<5.0	12	60	<10
	09/25/13	<10	<10	10	<15	<5.0	<10	51	203	<20
	09/25/14	21	<10	21	<15	<10	<10	66	139	42
	12/15/14	<10	<10	<10	<15	<10	<10	48	123	<20
	04/02/15	27	<10	20	<15	<10	<10	45	<10	<20
	03/03/16	2.3	<1.0	<1.0	<1.5	<1.0	<1.0	11	6.1	<2.0
	06/02/16	1.5	<1.0	<1.0	<1.5	<1.0	<1.0	5.5	7.2	<2.0
	06/26/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	3.9	<1.0	<2.0
	01/16/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	1.6	<1.0	<10

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
BTMW-6	05/06/05	0.12 ft NAPL								
	09/27/05	0.21 ft NAPL								
	01/03/06	0.27 ft NAPL								
	04/04/06	0.39 ft NAPL								
	08/26/06	0.48 ft NAPL								
	01/07/08	0.09 ft NAPL								
	01/20/11	0.82 ft NAPL								
	04/27/11	0.36 ft NAPL								
	10/27/11	0.05 ft NAPL								
	05/30/12	Could Not Locate								
	08/22/12	DRY								
	03/03/16	Not Sampled								

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
BTMW-7	05/06/05	0.09 ft NAPL								
	09/27/05	0.09 ft NAPL								
	01/03/06	0.10 ft NAPL								
	04/04/06	0.18 ft NAPL								
	08/26/06	0.92 ft NAPL								
	01/08/08	0.11 ft NAPL								
	10/27/11	0.16 ft NAPL								
	05/30/12	0.03 ft NAPL								
	08/22/12	0.19 ft NAPL								
	09/26/13	NAPL								
	09/25/14	10000	380	560	1900	<50	<50	660	2250	360
	12/16/14	0.01 ' NAPL								
	04/02/15	0.12 ' NAPL								
	03/03/16	Not Sampled								

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
BTMW-8	05/06/05	0.03 ft NAPL								
	09/27/05	0.13 ft NAPL								
	01/03/06	0.06 ft NAPL								
	04/04/06	0.22 ft NAPL								
	08/26/06	0.64 ft NAPL								
	01/08/08	0.05 ft NAPL								
	10/27/11	17000	16000	2000	15000	<1.0	250	1600	3060	770
	05/30/12	0.02 ft NAPl								
	08/22/12	17000	14000	760	9800	<1.0	200	1200	3800	820
	06/26/13	11000	15000	860	13000	<50	200	1400	3860	660
	09/25/14	0.08 ' NAPL								
	12/16/14	0.01 ' NAPL								
	04/02/15	1300	12000	1700	18000	<100	<100	630	5100	750
	03/02/16	4400	6800	520	11000	<100	<100	410	5000	600
	06/01/16	1200	4500	600	8900	<50	<50	240	4600	620
	06/26/18	14000	14000	670	5400	<50	<50	1000	4300	650
	01/16/19	580	2100	370	5900	<20	<20	150	4000	1100

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
BTMW-9	05/06/05	18000	19000	4400	19000	<1.0	140	1400	2260	480
	09/27/05	32000	23000	4200	15000	<1.0	190	2000	2680	810
	01/03/06	32000	21000	3100	18000	<1.0	200	2700	3690	1500
	04/04/06	24000	9400	3100	14000	<1.0	120	1800	2400	1100
	08/26/06	16000	3800	680	2500	<1.0	96	1400	2270	530
	01/08/08	13000	1800	1400	4200	<1.0	60	890	1400	330
	10/27/11	9800	3300	1800	11000	<1.0	<1.0	920	3650	750
	05/30/12	11000	810	1000	7100	<1.0	<1.0	510	5800	650
	08/23/12	7400	710	520	3300	<1.0	<1.0	720	3290	570
	06/25/13	9900	520	730	2600	<50	<50	570	3300	360
	09/26/13	11000	510	680	2300	<50	<50	660	2160	310
	09/25/14	10000	380	560	1900	<50	<50	660	2250	360
	12/16/14	880	99	410	2200	<50	<50	530	3450	370
	04/02/15	27	<10	27	380	<10	<10	580	1600	140
	03/03/16	DRY								
	01/16/19	2.7	<2.0	<2.0	<3.0	<2.0	<2.0	130	<2.0	<20

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
BTMW-10	05/06/05	4	1.1	<1.0	1.8	<1.0	0.093	3	8.9	<4.0
	09/27/05	1.8	2.6	<1.0	2.3	<1.0	0.054	34	72.6	<4.0
	01/03/06	<1.0	1	<1.0	<1.5	<1.0	0.038	50	86.3	<4.0
	04/04/06	1.5	1	<1.0	<1.5	<1.0	0.017	50	111.4	<4.0
	08/26/06	7.1	12	<1.0	12.6	<1.0	<1.0	30	78.2	3.5
	01/08/08	1.6	4.1	<1.0	5.7	<1.0	<1.0	14	12.3	<4.0
	10/27/11	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	7	1.8	<4.0
	05/30/12	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	5.4	<1.0	<4.0
	08/23/12	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	5.3	1.3	<4.0
	06/26/13	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	7	<1.0	<4.0
	09/26/13	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	4.5	<1.0	<2.0
	09/26/14	<2.0	<2.0	<2.0	<3.0	<2.0	<2.0	2.7	<2.0	<4.0
	12/17/14	<2.0	<2.0	<2.0	<3.0	<2.0	<2.0	<2.0	<2.0	<4.0
	04/02/15	<2.0	<2.0	<2.0	<3.0	<2.0	<2.0	3.6	<2.0	<4.0
	03/03/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	3.3	<1.0	<2.0
	06/03/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	2.3	<1.0	<2.0
	06/26/18	<1.0	1	<1.0	1.7	<1.0	<1.0	<1.0	1.2	<2.0
	01/16/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	1.3	<1.0	<10

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
BTMW-11	05/06/05	11000	9200	1000	4800	<1.0	47	470	940	230
	09/27/05	17000	7800	1500	11000	<1.0	95	1500	3820	1200
	01/03/06	17000	12000	1700	11000	<1.0	110	1500	1700	<4.0
	04/04/06	DRY								
	08/26/06	DRY								
	01/08/08	DRY								
	10/27/11	DRY								
	05/30/12	DRY								
	08/22/12	DRY								
	03/03/16	DRY								
BTMW-12	05/06/05	17000	14000	1300	6700	1250	56	570	1210	290
	09/27/05	8400	4600	1100	5700	<1.0	62	670	2360	700
	01/03/06	16000	11000	1500	9800	<1.0	98	1400	1500	<4.0
	04/04/06	15000	22000	3600	13000	<1.0	150	2000	2250	520
	08/26/06	DRY								
	01/08/08	DRY								
	10/27/11	DRY								
	05/30/12	DRY								
	08/22/12	DRY								
	04/17/13	P&A								

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
BTMW-13	05/06/05	0.03 ft NAPL								
	09/27/05	0.02 ft NAPL								
	01/03/06	0.11 ft NAPL								
	04/04/06	0.13 ft NAPL								
	08/26/06	0.21 ft NAPL								
	01/08/08	0.02 ft NAPL								
	10/27/11	26000	25000	2600	11000	<1.0	160	370	2550	510
	05/30/12	26000	32000	2900	12000	<1.0	110	190	2210	360
	08/22/12	20000	27000	2300	9700	<1.0	<1.0	140	1540	300
	06/25/13	14000	30000	2700	11000	<100	<100	120	1960	350
	09/26/13	14000	30000	2900	12000	<100	<100	<100	1810	390
	09/24/14	8200	24000	2400	9300	<100	<100	<100	2080	430
	12/16/14	6000	27000	2400	9700	<100	<100	<100	1800	340
	04/02/15	5400	20000	2000	8200	<100	<100	<100	1320	290
	3/3/20416	Not Sampled								
	06/02/16	Not Sampled								
	06/26/18	Not Sampled-Well Casing Damaged								
	01/15/19	3700	21000	2000	8000	<5.0	21	23	1290	453

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
BTMW-14	05/06/05	1.1	<1.0	<1.0	1.7	<1.0	0.058	<1.0	2	<4.0
	09/27/05	1.4	1.4	<1.0	16	<1.0	<1.0	35	78.7	<4.0
	01/03/06	4.4	<1.0	<1.0	<1.5	<1.0	<1.0	2.4	<1.0	<4.0
	04/04/06	3.9	1.2	<1.0	<1.5	<1.0	<1.0	1.1	1.2	<4.0
	08/26/06	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	01/08/08	Not Sampled								
	01/20/11	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	04/27/11	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	07/28/11	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	10/27/11	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	05/30/12	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	08/22/12	DRY								
	04/16/13	P&A								

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
BTMW-15	08/26/06	31000	35000	3700	16100	<1.0	290	2400	2790	600
	01/08/08	23000	16000	2600	11000	<1.0	190	920	3000	1420
	10/27/11	18000	12000	2400	9400	<1.0	140	640	1840	530
	05/30/12	20000	16000	3100	12000	<1.0	140	640	2260	520
	08/23/12	19000	16000	3300	12000	<1.0	150	730	2340	760
	06/26/13	20000	20000	3500	11000	<50	150	690	2340	550
	09/26/13	24000	18000	3500	11000	<50	150	820	2220	610
	09/25/14	22000	7300	1700	4400	<50	100	920	1760	840
	12/17/14	18000	4100	2400	7700	<50	62	750	1990	700
	04/02/15	0.51' NAPL								
	03/04/16	1.55' NAPL								
	06/03/16	1.75' NAPL								
	06/26/18	2.74' NAPL								
	01/16/19	0.03' NAPL								
BTMW-16	08/26/06	42	33	2.8	25.6	<1.0	<1.0	1.9	5.9	<4.0
	01/08/08	5.5	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	10/27/11	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	05/30/12	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	08/22/12	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	03/04/16	Not Sampled								

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
BTMW-17	08/26/06	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	01/08/08	Not Sampled								
	10/27/11	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	05/30/12	DRY								
	08/22/12	DRY								
	04/17/13	P&A								
BTMW-18	08/26/06	620	330	33	390	<1.0	<1.0	31	66	6.1
	01/08/08	140	60	3.8	68	<1.0	<1.0	3.2	8	<4.0
	07/22/10	410	40	1.2	170	<1.0	<1.0	12	42	4.5
	01/20/11	Could Not Locate								
	04/27/11	130	<1.0	<1.0	55	<1.0	<1.0	8.2	17.1	3.4
	07/28/11	65	<1.0	<1.0	31	<1.0	<1.0	6.2	8.2	<4.0
	10/27/11	62	<1.0	<1.0	28	<1.0	<1.0	13	9.7	<4.0
	05/30/12	570	<1.0	<1.0	31	<1.0	<1.0	19	58	8.7
	08/22/12	DRY								
	04/16/13	P&A								

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
BTMW-19	08/26/06	320	110	28	109	<1.0	<1.0	9.3	16.8	<4.0
	01/08/08	55	<1.0	<1.0	14	<1.0	<1.0	<1.0	1.5	<4.0
	07/22/10	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	01/20/11	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	04/27/11	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	07/28/11	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	10/27/11	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	05/30/12	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	08/23/12	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	03/04/16	Not Sampled								

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
SMA-1	01/30/02	38000	46000	2800	17000	<1000	<1000	<1000	3800	<4000
	06/25/02	38000	42000	2500	13000	<1300	100	120	1760	525
	01/15/03	26000	30000	2300	12000	<1300	71	300	2370	390
	06/24/03	20000	22000	1500	12000	<1000	<1000	<1000	<2700	<4000
	09/22/03	16000	21000	1600	11000	<500	<500	<500	3050	<2000
	12/01/03	20000	22000	1600	12000	<500	<500	<500	2360	<2000
	03/04/04	23000	22000	1000	8100	<250	<250	<250	2080	<1000
	07/28/04	27000	22000	1500	13000	<500	<500	<500	2780	<2000
	10/26/04	34000	32000	2100	18000	<500	<500	<500	3980	<2000
	01/25/05	25000	27000	1500	13000	<500	<500	<500	3200	<2000
	05/03/05	20000	1900	940	9400	<500	<500	<500	2590	<2000
	10/12/05	27000	18000	1400	11000	32	68	120	2190	130
	01/13/06	40000	27000	1400	14000	<500	<500	<500	2980	<2000
	04/11/06	25000	20000	1100	11000	<750	<500	<500	2700	<2000
	01/08/08	20000	12000	640	5100	<1.0	<1.0	<1.0	1960	450
	10/27/11	16000	11000	1400	13000	<1.0	<1.0	90	3250	1100
	05/30/12	19000	14000	1700	19000	<1.0	<1.0	<1.0	5500	1100
	08/22/12	14000	9600	1500	16000	<1.0	<1.0	56	4280	1100
	06/25/13	16000	9400	980	11000	<50	<50	67	3000	640
	09/25/13	17000	1000	790	15000	<50	<50	65	3310	730
	09/24/14	19000	8300	1100	11000	<50	<50	64	4400	920
	12/16/14	13000	7400	840	12000	<50	<50	<50	3530	690
	04/02/15	11000	4100	580	6700	<50	<50	54	1980	450
	03/02/16	11000	5900	720	9200	<100	<100	<100	2790	640
	06/01/16	1200	3400	630	7000	<100	<100	<100	2480	490
	06/26/18	4500	<10	56	<15	<10	<10	<10	460	143
	01/15/19	4500	<20	62	67	<20	<20	24	344	80

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
SMA-2	01/30/02	350	240	150	1300	<20	<20	46	920	<80
	06/25/02	540	170	55	360	<50	0.052	46	480	65
	01/15/03	690	140	63	230	<50	0.027	51	420	53
	03/04/04	1800	78	77	79	<10	<10	45	570	299
	05/03/05	140	85	38	95	85	<10	44	355	86
	01/08/08	490	38	57	85	<1.0	<1.0	36	73	27
	07/22/10	7.3	<1.0	<1.0	<1.5	<1.0	<1.0	13	<1.0	<4.0
	01/20/11	1.7	<1.0	<1.0	<1.5	<1.0	<1.0	11	<1.0	<4.0
	04/27/11	110	1	<1.0	<1.5	<1.0	<1.0	8.8	<1.0	<4.0
	07/28/11	9.9	<1.0	<1.0	<1.5	<1.0	<1.0	9.4	<1.0	<4.0
	10/27/11	74	16	<1.0	46	<1.0	<1.0	10	5.4	<4.0
	05/30/12	6.5	11	3.1	40	<1.0	<1.0	5.3	29.1	19
	08/22/12	150	3.6	1.5	28	<1.0	<1.0	5.9	55	4
	06/25/13	210	1.4	1.2	17	<1.0	<1.0	6.8	73	<2.0
	09/25/13	220	23	3.1	26	<1.0	<1.0	7.8	31.9	<2.0
	09/25/04	87	<2.0	<2.0	6.7	<2.0	<2.0	7	<2.0	<4.0
	12/15/14	11	<2.0	<2.0	<3.0	<2.0	<2.0	4.8	<2.0	<4.0
	04/02/15	33	<2.0	<2.0	4	<2.0	<2.0	4.7	<2.0	<4.0
	03/03/16	65	<1.0	<1.0	1.9	<1.0	<1.0	3.7	<1.0	<2.0
	06/02/16	<1.0	<1.0	<1.0	1.9	<1.0	<1.0	3	<1.0	<2.0
	06/26/18	6.4	<1.0	<1.0	<1.5	<1.0	<1.0	2.2	<1.0	<2.0
	01/16/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	1.1	<1.0	<10

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
SMA-3	01/30/02	35000	53000	3900	18000	<1000	<1000	<1000	3400	<4000
	06/25/02	28000	43000	4000	20000	<1300	110	120	4900	1240
	05/03/05	17000	46000	2700	13000	<250	<250	<250	2880	<2500
	01/08/08	0.04 ft NAPL								
	10/27/11	DRY								
	05/30/12	DRY								
	05/30/12	DRY								
	04/16/13	P&A								
SMA-4	01/30/02	26000	29000	2800	14000	<1000	<1000	<1000	2800	<4000
	06/25/02	25000	32000	2500	14000	<50	16	96	2140	527
	01/15/03	20000	23000	2100	12000	<100	14	100	2180	497
	09/22/03	20000	23000	2000	15000	<50	<50	130	2200	650
	12/01/03	20000	20000	1600	16000	<500	<500	<500	2710	<2000
	03/04/04	19000	19000	770	10000	<250	<250	<250	2100	<1880
	05/03/05	17000	30000	2900	15000	<250	<250	<250	2350	<2100
	01/08/08	1.63 ft NAPL								
	07/22/10	15000	28000	4200	26000	<1.0	<1.0	78	5300	1110
	01/20/11	1900	3600	930	13000	<1.0	<1.0	35	4800	1620
	04/27/11	1400	2900	960	11000	<1.0	<1.0	24	5400	1930
	07/28/11	2000	5100	1800	14000	<1.0	<1.0	36	1000	1540
	10/27/11	1300	2100	1100	9600	<1.0	<1.0	31	3890	920
	05/30/12	710	1400	1300	11000	<1.0	<1.0	<1.0	3900	750
	08/22/12	700	1700	1700	13000	<1.0	<1.0	<1.0	4300	1080
	06/26/13	610	360	1400	9200	<50	<50	<50	3810	590
	09/26/13	630	340	1700	12000	<100	<100	<100	3820	760
	09/25/14	DRY								
	12/16/14	DRY								

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
SMA-5	1/30/2002	1200	1600	75	570	<1000	<1000	<1000	170	<200
	6/25/2002	2000	1700	25	2200	<100	1.5	<100	349	55
	1/15/2003	440	210	<20	460	<100	0.68	<100	138	<2.5
	1/8/2008	7800	2000	250	1900	<1.0	<1.0	<1.0	430	130
	10/27/11	DRY								
	05/30/12	DRY								
	08/22/12	Not Sampled - Could Not Located								
	09/25/14	Not Sampled - Could Not Located								
	12/16/14	Not Sampled - Could Not Located								
SMA-6	06/25/02	3200	37	1600	1200	<100	0.06	44	2010	319
	01/15/03	4600	71	1100	910	<100	0.15	55	1470	286
	06/24/03	5300	<100	1300	950	<100	<100	<100	1510	<400
	09/22/03	3900	350	1000	840	<100	<100	<100	1290	<400
	12/01/03	5100	550	1400	970	<100	<100	<100	1510	<400
	03/04/04	6800	640	1300	980	<100	<100	100	1600	<400
	07/28/04	5500	600	1100	660	<100	<100	<100	1190	<400
	10/26/04	7200	660	1300	870	<100	<100	<100	1660	<400
	01/25/05	4400	<100	970	800	<100	<100	<100	1170	<400
	10/12/05	3300	14	960	150	<1	<1.0	55	1190	135
	01/13/06	9200	53	1800	1300	<50	<50	160	2830	640
	04/11/06	2900	<100	730	<300	<150	<100	100	760	<400
	01/08/08	880	<1.0	46	100	<1.0	<1.0	53	117	104
	Feb-09	Converted to SVE Well V-11								

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
SMA-7	06/25/02	810	<10	<10	420	<50	0.046	61	273	<2.5
	01/15/03	390	<10	<10	230	<50	0.031	68	216	<2.5
	06/24/03	240	<20	<20	160	<20	<20	49	145	<80
	09/22/03	380	<5	<5	280	<5	<5	98	306	<20
	12/01/03	450	<10	<10	250	<10	<10	60	246	<40
	03/04/04	450	<10	<10	200	<10	<10	59	206	<40
	06/28/04	510	<10	<10	240	<10	<10	81	254	<40
	10/26/04	370	<10	<10	140	<10	<10	49	154	<40
	01/25/05	280	<5	<5	100	<5	<5	24	29	<20
	05/03/05	160	<5	<5	41	<5	<5	23	21	<20
	10/11/05	220	1.8	5.4	12	<1	<1	36	13.5	<4
	01/13/06	270	<5	<5	70	<5	<5	64	22	<20
	04/11/06	47	<1	<1	3.9	<1.5	<1	42	2.5	<4
	01/08/08	1.4	<1.0	<1.0	<1.5	<1.0	<1.0	50	<1.0	NM
	07/22/10	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	45	<1.0	<4.0
	01/20/11	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	28	<1.0	<4.0
	10/27/11	2.3	<1.0	<1.0	<1.5	<1.0	<1.0	28	<1.0	<4.0
	05/30/12	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	33	<1.0	<4.0
	08/22/12	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	26	<1.0	<4.0
	06/25/13	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	13	<1.0	<4.0
	09/25/13	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	36	<1.0	<2.0
	09/25/14	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	40	<1.0	<2.0
	12/15/14	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	32	<1.0	<2.0
	04/02/15	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	36	<1.0	<2.0
	03/03/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	24	<1.0	<2.0
	06/02/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	25	<1.0	<2.0
	06/26/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	20	<1.0	<2.0
	01/16/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	10	<1.0	<10

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
SMA-8	06/25/02	6000	5700	880	3700	<50	<.010	<4	3890	48
	01/15/03	1900	440	90	380	<250	<.010	<20	480	5.9
	09/22/03	2700	760	210	600	<5	<5	<5	720	67
	12/01/03	4200	1100	270	1100	<50	<50	<50	1250	<200
	03/04/04	5800	3300	460	2300	<50	<50	<50	2520	<2000
	07/28/04	6800	1300	650	1800	<100	<100	<100	2080	<400
	10/26/04	2300	200	<100	310	<100	<100	<100	310	<400
	05/03/05	9100	830	1500	2100	<100	100	100	2550	440
	04/11/06	9700	<500	1100	<1500	<750	<500	<500	<1500	<2000
	01/08/08	3500	200	330	105	<1.0	<1.0	<1.0	183	110
	04/27/11	2500	420	250	420	<1.0	<1.0	<1.0	170	<4.0
	07/28/11	1900	19	300	66	<1.0	<1.0	<1.0	128	37
	10/27/11	1700	70	180	130	<1.0	<1.0	<1.0	86	33
	05/30/12	Could Not Locate								
	08/22/12	Could Not Locate								
	04/17/13	Well Destroyed								

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
SMA-9	06/25/02	51	62	11	33	<4.2	<.011	<.2	4.39	<4.2
	01/15/03	<.5	<.5	<.5	<.5	2.5	<.01	<.2	<.5	<2.5
	06/24/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	09/22/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	12/01/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	03/04/04	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	07/28/04	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	10/26/04	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	01/25/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	05/03/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	10/11/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	01/12/06	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	04/11/06	<1.0	<1.0	<1.0	<3.0	<1.5	<3.2	<3.3	<3.4	<4.0
	01/08/08	1	3	<1.0	4.8	<1.5	<1.0	<1.0	1.3	<4.0
	07/22/10	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	01/22/11	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	04/27/11	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	07/28/11	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	10/27/11	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	05/30/12	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	08/22/12	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	06/25/13	<2.0	<2.0	<2.0	<3.0	<2.0	<2.0	<2.0	<2.0	<8.0
	09/25/13	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<2.0
	09/24/14	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<2.0
	12/17/14	<2.0	<2.0	<2.0	<3.0	<2.0	<2.0	<2.0	<2.0	<4.0
	04/01/15	<2.0	<2.0	<2.0	<3.0	<2.0	<2.0	<2.0	<2.0	<4.0
	03/02/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<2.0
	06/01/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<2.0
	06/25/18	<2.0	<2.0	<2.0	<3.0	<2.0	<2.0	<2.0	<2.0	<4.0
	01/15/19	<2.0	3.0	<2.0	<3.0	<2.0	<2.0	<2.0	<2.0	<20

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
SMA-10	07/03/02	15000	12000	220	4600	<25	52	230	550	79.7
	01/15/03	13000	12000	790	4900	<100	40	220	730	NM
	06/24/03	14000	17000	790	6800	<10	25	130	690	55
	03/04/04	11000	9000	330	3500	<250	<250	<250	470	<1000
	07/28/04	15000	9200	380	3800	<250	<250	<250	660	<1000
	10/26/04	20000	11000	<250	4500	<250	<250	<250	700	<1000
	01/25/05	16000	6700	380	2800	250	<250	<250	1140	<1000
	05/03/05	11000	3600	<250	2300	<250	<250	<250	1030	<1000
	10/12/05	11000	1600	420	2700	<10	<10	160	620	<40
	01/13/06	23000	560	630	4600	<250	<250	<250	1220	<1000
	04/11/06	9800	250	110	2000	<150	<100	150	670	<400
	01/08/08	DRY								
	10/27/11	Unable to Locate: Buried or Paved Over								
	05/30/12	Well Destroyed								
SMA-11	01/15/03	21000	12000	1800	5300	<100	120	1100	610	124.7
	08/12/03	2.0 ft NAPL								
	02/03/04	0.86 ft NAPL								
	05/04/04	0.45 ft NAPL								
	08/06/04	0.53 ft NAPL								
	11/12/04	0.52 ft NAPL								
	05/06/05	35000	30000	3300	16000	35000	110	1700	4240	1400
	09/27/05	30000	19000	3500	13000	<1.0	200	2100	2440	720
	01/03/06	30000	16000	3500	10000	<1.0	63	2200	4700	1500
	04/04/06	0.22 ft NAPL								
	08/26/06	0.47 ft NAPL								
	01/08/08	0.16 ft NAPL								
	10/27/11	DRY								
	05/30/12	DRY								
	08/22/12	DRY								
	04/16/13	P&A								

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
SMA-12	01/15/03	29000	42000	3800	14000	<100	180	570	1360	166.6
	06/24/03	18000	23000	1700	11000	<500	500	860	1300	<2000
	08/12/03	19000	23000	1700	10100	<500	150	470	1660	<2000
	09/23/03	17000	20000	1800	11000	<500	<500	520	2660	<2000
	12/01/03	25000	30000	2200	14000	<500	<500	600	1700	<2000
	02/03/04	31000	39000	2300	4200	<500	280	730	2530	470
	03/04/04	24000	41000	2500	14000	<500	<500	660	2870	<2000
	05/04/04	45000	33000	3100	16000	<500	560	1100	2600	<2000
	08/06/04	23000	<1.0	2400	15800	<500	280	1300	4070	780
	11/12/04	26000	36000	2300	12800	<500	240	1600	410	<2000
	05/06/05	0.11 ft NAPL								
	09/27/05	0.28 ft NAPL								
	01/03/06	0.33 ft NAPL								
	04/04/06	0.51 ft NAPL								
	08/26/06	0.43 ft NAPL								
	01/08/08	0.02 ft NAPL								
	10/27/11	DRY								
	05/30/12	DRY								
	08/22/12	DRY								
	04/17/13	P&A								

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
SMA-13	01/15/03	15	5.2	0.76	2.6	<2.5	<0.010	<0.20	<0.50	<2.5
	06/24/03	1.2	1.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	09/22/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	12/01/03	1.2	2.8	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<4.0
	03/04/04	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	07/28/04	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	10/26/04	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	01/25/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	05/03/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	10/11/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	01/13/06	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	04/11/06	<1.0	<1.0	<1.0	<3.0	<1.5	<1.0	<1.0	<1.0	<4.0
	01/08/08	1.3	4.5	<1.0	5.9	<1.0	<1.0	<1.0	1.4	<4.0
	10/27/11	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	05/30/13	Could Not Locate								
	08/22/12	Could Not Locate								
	09/24/14	Could Not Locate								
	12/16/14	Could Not Locate								
SMA-14	03/04/04	990	310	15	700	<1.0	<1.0	<1.0	45	<4.0
	01/25/05	1400	97	<10	240	<10	<10	<10	36	<40
	05/03/05	570	58	34	120	<20	<20	<20	43	<80
	10/11/05	940	490	57	630	<1.0	<1.0	<1.0	50	<4.0
	01/13/06	1400	890	57	820	<20	<20	<20	83	<80
	01/08/08	DRY								
	10/27/11	650	2.2	52	6.8	<1.0	<1.0	<1.0	5.9	<4.0
	05/30/12	450	10	44	17	<1.0	<1.0	<1.0	7.9	<4.0
	08/22/12	330	<1.0	24	14	<1.0	<1.0	<1.0	<1.0	<4.0

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
SMA-15	01/15/03	1.3	1.0	<0.50	<0.50	<2.5	<0.010	<0.20	<050	<25
	06/24/03	1.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	09/22/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	12/01/03	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	03/04/04	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	07/28/04	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	10/26/04	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	01/25/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	05/03/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	10/11/05	5.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	01/13/06	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
	04/11/06	<1.0	<1.0	<1.0	<3.0	<1.5	<1.0	<1.0	<1.0	<4.0
	01/08/08	23	75	10	100	<1.0	<1.0	<1.0	26.2	<4.0
	10/27/11	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	05/30/12	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<4.0
	08/22/12	5.5	<1.0	<1.0	4.7	<1.0	<1.0	<1.0	<1.0	<4.0
	03/02/16	150	30	34	84	<1.0	<1.0	<1.0	29.5	<2.0
	06/01/16	38	9.1	5.5	7.5	<1.0	<1.0	<1.0	4.3	<2.0
	06/26/18	DRY								
	01/16/19	Not Enough Water to Sample								
A-1	06/25/13	7700	58000	4800	21000	<500	<500	<500	2510	<1000
	09/25/13	NAPL								
	09/25/13	1.02 ' NAPL								
	04/01/15	1.55 ' NAPL								
	03/02/16	0.98 ' NAPL								
	06/03/16	0.31 ' NAPL								
	06/26/18	0.58 ' NAPL								
	01/16/19	6800	19000	1200	18000	<20	<20	<20	4220	770

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
A-2	06/25/13	17	3.1	<2.0	5.1	<2.0	<2.0	19	8	<4.0
	09/25/13	13	5.1	<1.0	7.9	<1.0	<1.0	19	4.8	<2.0
	09/25/14	<2.0	<2.0	<2.0	<3.0	<2.0	<2.0	13	<2.0	<4.0
	12/16/14	<2.0	<2.0	<2.0	<3.0	<2.0	<2.0	17	<2.0	<4.0
	04/02/15	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	19	<1.0	<2.0
	03/03/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	15	<1.0	<2.0
	06/02/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	14	<1.0	<2.0
	06/26/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	12	<1.0	<2.0
	01/16/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	12	<1.0	<10
A-3	06/25/13	8800	22000	820	13000	<200	<200	<200	1930	<400
	09/25/13	7900	17000	710	12000	<100	<100	<100	1590	<200
	09/24/14	1400	3700	160	5700	<50	<50	<50	1380	<100
	12/16/14	47	320	25	1600	<10	<10	26	640	20
	04/02/15	64	220	14	1800	<10	<10	18	430	<20
	03/02/16	67	50	6.2	630	<5.0	<5.0	9.5	218	11
	06/01/16	85	9.2	7.4	100	<5.0	<5.0	6.1	170	10
	06/26/18	DRY								
	01/16/19	Not Enough Water to Sample								
A-4	06/26/13	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<2.0
	09/26/13	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<2.0
	09/24/14	<2.0	<2.0	<2.0	<3.0	<2.0	<2.0	<2.0	<2.0	<4.0
	12/17/14	<2.0	<2.0	<2.0	<3.0	<2.0	<2.0	<2.0	<2.0	<4.0
	12/17/14	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<2.0
	03/02/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<2.0
	06/01/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<2.0
	06/25/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<2.0
	01/15/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<10

Table 3
Groundwater Analytical Summary

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	EDC	TMB	Total Naphtha-lene*
A-5	06/26/13	2.6	<2.0	<2.0	<3.0	<2.0	<2.0	2.3	<2.0	<4.0
	09/26/13	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<2.0
	09/24/14	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<2.0
	12/17/14	<2.0	<2.0	<2.0	<3.0	<2.0	<2.0	<2.0	<2.0	<4.0
	04/02/15	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<2.0
	03/02/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<2.0
	06/01/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<2.0
	06/25/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<2.0
	01/15/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<10
A-6	03/01/16	1.5	16	3.2	19	<1.0	<1.0	<1.0	2.3	<2.0
	06/01/16	<2.0	<2.0	<2.0	<3.0	<2.0	<2.0	<2.0	<2.0	<4.0
	06/26/18	3.8	7.8	<2.0	27	<2.0	<2.0	<2.0	7.7	39.8
	01/15/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<10
A-7	03/01/16	4800	18000	2200	11000	<5.0	35	23	1380	480
	06/01/16	<1.0	<1.0	<1.0	2.7	<1.0	1.3	3.7	6.6	<2.0
	06/26/18	360	77	19	40	<1.0	<1.0	4.9	8.9	2.6
	06/26/18	360	77	19	40	<1.0	<1.0	4.9	8.9	2.6
	01/15/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<10
A-8	03/01/16	100	110	19	110	<2.0	<2.0	5.4	18.3	5.8
	06/01/16	Dry								
	06/26/18	Not Sampled								
	01/15/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<10
A-9	06/26/18	100	270	53	250	<1.0	<1.0	1.4	65	4.2
	01/16/19	Not Enough Water to Sample								
NMWQCC/NMED Groundwater Quality Standards		5	1000	700	620	100	0.05	5	--	30

Highlighted rows indicate most recent sampling event. Wells not indicated as sampled during the current event were either dry, contained NAPL, could not be located or contained insufficient water for representative sampling.
NAPL - indicates that non aqueous phase liquid hydrocarbon (floating gasoline) was detected in the well. NM = not measured
DRY - Indicates that the well bottom was above the water table.
NMWQCC - New Mexico Water Quality Control Commission
NMED - New Mexico Environment Department
Analytical results in parts per billion (ppb) or µg/L
***Total Naphthalenes= Naphthalene +** 1-Methylnaphthalene + 2-Methylnaphthalene

APPENDIX A
Laboratory Groundwater Analytical Report

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

January 25, 2019

Jeff Cotter

MYC Environmental And Construction LLC
5400 Vierra Ave SW
Albuquerque, New Mexico 87105
TEL:
FAX

RE: TTS and SG Deming OrderNo.: 1901738

Dear Jeff Cotter:

Hall Environmental Analysis Laboratory received 19 sample(s) on 1/17/2019 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SMA-9
Project: TTS and SG Deming
Collection Date: 1/15/2019 9:10:00 AM
Lab ID: 1901738-001 **Matrix:** AQUEOUS **Received Date:** 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
Benzene	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
Toluene	3.0	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
Ethylbenzene	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
Methyl tert-butyl ether (MTBE)	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
1,2,4-Trimethylbenzene	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
1,3,5-Trimethylbenzene	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
1,2-Dichloroethane (EDC)	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
1,2-Dibromoethane (EDB)	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
Naphthalene	ND	4.0	D P	µg/L	2	1/22/2019 5:31:31 PM
1-Methylnaphthalene	ND	8.0	D P	µg/L	2	1/22/2019 5:31:31 PM
2-Methylnaphthalene	ND	8.0	D P	µg/L	2	1/22/2019 5:31:31 PM
Acetone	ND	20	D P	µg/L	2	1/22/2019 5:31:31 PM
Bromobenzene	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
Bromodichloromethane	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
Bromoform	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
Bromomethane	ND	6.0	D P	µg/L	2	1/22/2019 5:31:31 PM
2-Butanone	ND	20	D P	µg/L	2	1/22/2019 5:31:31 PM
Carbon disulfide	ND	20	D P	µg/L	2	1/22/2019 5:31:31 PM
Carbon Tetrachloride	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
Chlorobenzene	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
Chloroethane	ND	4.0	D P	µg/L	2	1/22/2019 5:31:31 PM
Chloroform	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
Chloromethane	ND	6.0	D P	µg/L	2	1/22/2019 5:31:31 PM
2-Chlorotoluene	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
4-Chlorotoluene	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
cis-1,2-DCE	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
cis-1,3-Dichloropropene	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
1,2-Dibromo-3-chloropropane	ND	4.0	D P	µg/L	2	1/22/2019 5:31:31 PM
Dibromochloromethane	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
Dibromomethane	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
1,2-Dichlorobenzene	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
1,3-Dichlorobenzene	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
1,4-Dichlorobenzene	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
Dichlorodifluoromethane	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
1,1-Dichloroethane	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
1,1-Dichloroethene	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
1,2-Dichloropropane	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
1,3-Dichloropropane	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
2,2-Dichloropropane	ND	4.0	D P	µg/L	2	1/22/2019 5:31:31 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SMA-9
Project: TTS and SG Deming
Collection Date: 1/15/2019 9:10:00 AM
Lab ID: 1901738-001 **Matrix:** AQUEOUS **Received Date:** 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
1,1-Dichloropropene	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
Hexachlorobutadiene	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
2-Hexanone	ND	20	D P	µg/L	2	1/22/2019 5:31:31 PM
Isopropylbenzene	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
4-Isopropyltoluene	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
4-Methyl-2-pentanone	ND	20	D P	µg/L	2	1/22/2019 5:31:31 PM
Methylene Chloride	ND	6.0	D P	µg/L	2	1/22/2019 5:31:31 PM
n-Butylbenzene	ND	6.0	D P	µg/L	2	1/22/2019 5:31:31 PM
n-Propylbenzene	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
sec-Butylbenzene	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
Styrene	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
tert-Butylbenzene	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
1,1,1,2-Tetrachloroethane	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
1,1,2,2-Tetrachloroethane	ND	4.0	D P	µg/L	2	1/22/2019 5:31:31 PM
Tetrachloroethene (PCE)	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
trans-1,2-DCE	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
trans-1,3-Dichloropropene	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
1,2,3-Trichlorobenzene	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
1,2,4-Trichlorobenzene	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
1,1,1-Trichloroethane	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
1,1,2-Trichloroethane	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
Trichloroethene (TCE)	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
Trichlorofluoromethane	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
1,2,3-Trichloropropane	ND	4.0	D P	µg/L	2	1/22/2019 5:31:31 PM
Vinyl chloride	ND	2.0	D P	µg/L	2	1/22/2019 5:31:31 PM
Xylenes, Total	ND	3.0	D P	µg/L	2	1/22/2019 5:31:31 PM
Surr: 1,2-Dichloroethane-d4	100	70-130	D P	%Rec	2	1/22/2019 5:31:31 PM
Surr: 4-Bromofluorobenzene	101	70-130	D P	%Rec	2	1/22/2019 5:31:31 PM
Surr: Dibromofluoromethane	99.6	70-130	D P	%Rec	2	1/22/2019 5:31:31 PM
Surr: Toluene-d8	104	70-130	D P	%Rec	2	1/22/2019 5:31:31 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: A-4
Project: TTS and SG Deming
Collection Date: 1/15/2019 10:31:00 AM
Lab ID: 1901738-002 **Matrix:** AQUEOUS **Received Date:** 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
Benzene	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
Toluene	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
Ethylbenzene	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
Naphthalene	ND	2.0		µg/L	1	1/22/2019 3:05:22 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	1/22/2019 3:05:22 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	1/22/2019 3:05:22 PM
Acetone	ND	10		µg/L	1	1/22/2019 3:05:22 PM
Bromobenzene	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
Bromodichloromethane	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
Bromoform	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
Bromomethane	ND	3.0		µg/L	1	1/22/2019 3:05:22 PM
2-Butanone	ND	10		µg/L	1	1/22/2019 3:05:22 PM
Carbon disulfide	ND	10		µg/L	1	1/22/2019 3:05:22 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
Chlorobenzene	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
Chloroethane	ND	2.0		µg/L	1	1/22/2019 3:05:22 PM
Chloroform	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
Chloromethane	ND	3.0		µg/L	1	1/22/2019 3:05:22 PM
2-Chlorotoluene	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
4-Chlorotoluene	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
cis-1,2-DCE	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/22/2019 3:05:22 PM
Dibromochloromethane	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
Dibromomethane	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	1/22/2019 3:05:22 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: A-4
Project: TTS and SG Deming
Collection Date: 1/15/2019 10:31:00 AM
Lab ID: 1901738-002
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
1,1-Dichloropropene	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
2-Hexanone	ND	10		µg/L	1	1/22/2019 3:05:22 PM
Isopropylbenzene	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	1/22/2019 3:05:22 PM
Methylene Chloride	ND	3.0		µg/L	1	1/22/2019 3:05:22 PM
n-Butylbenzene	ND	3.0		µg/L	1	1/22/2019 3:05:22 PM
n-Propylbenzene	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
sec-Butylbenzene	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
Styrene	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
tert-Butylbenzene	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/22/2019 3:05:22 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
trans-1,2-DCE	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/22/2019 3:05:22 PM
Vinyl chloride	ND	1.0		µg/L	1	1/22/2019 3:05:22 PM
Xylenes, Total	ND	1.5		µg/L	1	1/22/2019 3:05:22 PM
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	1	1/22/2019 3:05:22 PM
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	1/22/2019 3:05:22 PM
Surr: Dibromofluoromethane	105	70-130		%Rec	1	1/22/2019 3:05:22 PM
Surr: Toluene-d8	113	70-130		%Rec	1	1/22/2019 3:05:22 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: A-6
Project: TTS and SG Deming
Collection Date: 1/15/2019 11:55:00 AM
Lab ID: 1901738-003 **Matrix:** AQUEOUS **Received Date:** 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
Benzene	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
Toluene	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
Ethylbenzene	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
Methyl tert-butyl ether (MTBE)	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
1,2,4-Trimethylbenzene	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
1,3,5-Trimethylbenzene	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
1,2-Dichloroethane (EDC)	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
1,2-Dibromoethane (EDB)	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
Naphthalene	ND	2.0	P	µg/L	1	1/22/2019 4:33:10 PM
1-Methylnaphthalene	ND	4.0	P	µg/L	1	1/22/2019 4:33:10 PM
2-Methylnaphthalene	ND	4.0	P	µg/L	1	1/22/2019 4:33:10 PM
Acetone	15	10	P	µg/L	1	1/22/2019 4:33:10 PM
Bromobenzene	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
Bromodichloromethane	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
Bromoform	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
Bromomethane	ND	3.0	P	µg/L	1	1/22/2019 4:33:10 PM
2-Butanone	ND	10	P	µg/L	1	1/22/2019 4:33:10 PM
Carbon disulfide	ND	10	P	µg/L	1	1/22/2019 4:33:10 PM
Carbon Tetrachloride	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
Chlorobenzene	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
Chloroethane	ND	2.0	P	µg/L	1	1/22/2019 4:33:10 PM
Chloroform	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
Chloromethane	ND	3.0	P	µg/L	1	1/22/2019 4:33:10 PM
2-Chlorotoluene	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
4-Chlorotoluene	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
cis-1,2-DCE	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
cis-1,3-Dichloropropene	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
1,2-Dibromo-3-chloropropane	ND	2.0	P	µg/L	1	1/22/2019 4:33:10 PM
Dibromochloromethane	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
Dibromomethane	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
1,2-Dichlorobenzene	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
1,3-Dichlorobenzene	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
1,4-Dichlorobenzene	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
Dichlorodifluoromethane	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
1,1-Dichloroethane	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
1,1-Dichloroethene	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
1,2-Dichloropropane	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
1,3-Dichloropropane	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
2,2-Dichloropropane	ND	2.0	P	µg/L	1	1/22/2019 4:33:10 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: A-6
Project: TTS and SG Deming
Collection Date: 1/15/2019 11:55:00 AM
Lab ID: 1901738-003
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
1,1-Dichloropropene	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
Hexachlorobutadiene	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
2-Hexanone	ND	10	P	µg/L	1	1/22/2019 4:33:10 PM
Isopropylbenzene	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
4-Isopropyltoluene	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
4-Methyl-2-pentanone	ND	10	P	µg/L	1	1/22/2019 4:33:10 PM
Methylene Chloride	ND	3.0	P	µg/L	1	1/22/2019 4:33:10 PM
n-Butylbenzene	ND	3.0	P	µg/L	1	1/22/2019 4:33:10 PM
n-Propylbenzene	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
sec-Butylbenzene	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
Styrene	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
tert-Butylbenzene	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
1,1,1,2-Tetrachloroethane	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
1,1,2,2-Tetrachloroethane	ND	2.0	P	µg/L	1	1/22/2019 4:33:10 PM
Tetrachloroethene (PCE)	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
trans-1,2-DCE	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
trans-1,3-Dichloropropene	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
1,2,3-Trichlorobenzene	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
1,2,4-Trichlorobenzene	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
1,1,1-Trichloroethane	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
1,1,2-Trichloroethane	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
Trichloroethene (TCE)	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
Trichlorofluoromethane	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
1,2,3-Trichloropropane	ND	2.0	P	µg/L	1	1/22/2019 4:33:10 PM
Vinyl chloride	ND	1.0	P	µg/L	1	1/22/2019 4:33:10 PM
Xylenes, Total	ND	1.5	P	µg/L	1	1/22/2019 4:33:10 PM
Surr: 1,2-Dichloroethane-d4	99.4	70-130	P	%Rec	1	1/22/2019 4:33:10 PM
Surr: 4-Bromofluorobenzene	103	70-130	P	%Rec	1	1/22/2019 4:33:10 PM
Surr: Dibromofluoromethane	98.9	70-130	P	%Rec	1	1/22/2019 4:33:10 PM
Surr: Toluene-d8	106	70-130	P	%Rec	1	1/22/2019 4:33:10 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: A-5
Project: TTS and SG Deming
Collection Date: 1/15/2019 1:18:00 PM
Lab ID: 1901738-004
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
Benzene	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
Toluene	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
Ethylbenzene	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
Naphthalene	ND	2.0		µg/L	1	1/22/2019 5:02:20 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	1/22/2019 5:02:20 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	1/22/2019 5:02:20 PM
Acetone	ND	10		µg/L	1	1/22/2019 5:02:20 PM
Bromobenzene	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
Bromodichloromethane	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
Bromoform	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
Bromomethane	ND	3.0		µg/L	1	1/22/2019 5:02:20 PM
2-Butanone	ND	10		µg/L	1	1/22/2019 5:02:20 PM
Carbon disulfide	ND	10		µg/L	1	1/22/2019 5:02:20 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
Chlorobenzene	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
Chloroethane	ND	2.0		µg/L	1	1/22/2019 5:02:20 PM
Chloroform	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
Chloromethane	ND	3.0		µg/L	1	1/22/2019 5:02:20 PM
2-Chlorotoluene	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
4-Chlorotoluene	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
cis-1,2-DCE	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/22/2019 5:02:20 PM
Dibromochloromethane	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
Dibromomethane	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	1/22/2019 5:02:20 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: A-5
Project: TTS and SG Deming
Collection Date: 1/15/2019 1:18:00 PM
Lab ID: 1901738-004
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
1,1-Dichloropropene	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
2-Hexanone	ND	10		µg/L	1	1/22/2019 5:02:20 PM
Isopropylbenzene	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	1/22/2019 5:02:20 PM
Methylene Chloride	ND	3.0		µg/L	1	1/22/2019 5:02:20 PM
n-Butylbenzene	ND	3.0		µg/L	1	1/22/2019 5:02:20 PM
n-Propylbenzene	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
sec-Butylbenzene	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
Styrene	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
tert-Butylbenzene	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/22/2019 5:02:20 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
trans-1,2-DCE	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/22/2019 5:02:20 PM
Vinyl chloride	ND	1.0		µg/L	1	1/22/2019 5:02:20 PM
Xylenes, Total	ND	1.5		µg/L	1	1/22/2019 5:02:20 PM
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	1/22/2019 5:02:20 PM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	1/22/2019 5:02:20 PM
Surr: Dibromofluoromethane	102	70-130		%Rec	1	1/22/2019 5:02:20 PM
Surr: Toluene-d8	106	70-130		%Rec	1	1/22/2019 5:02:20 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SMA-1
Project: TTS and SG Deming
Collection Date: 1/15/2019 2:33:00 PM
Lab ID: 1901738-005 **Matrix:** AQUEOUS **Received Date:** 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
Benzene	4500	200	P	µg/L	200	1/22/2019 6:29:44 PM
Toluene	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
Ethylbenzene	62	20	P	µg/L	20	1/22/2019 6:58:52 PM
Methyl tert-butyl ether (MTBE)	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
1,2,4-Trimethylbenzene	290	20	P	µg/L	20	1/22/2019 6:58:52 PM
1,3,5-Trimethylbenzene	54	20	P	µg/L	20	1/22/2019 6:58:52 PM
1,2-Dichloroethane (EDC)	24	20	P	µg/L	20	1/22/2019 6:58:52 PM
1,2-Dibromoethane (EDB)	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
Naphthalene	80	40	P	µg/L	20	1/22/2019 6:58:52 PM
1-Methylnaphthalene	ND	80	P	µg/L	20	1/22/2019 6:58:52 PM
2-Methylnaphthalene	ND	80	P	µg/L	20	1/22/2019 6:58:52 PM
Acetone	ND	200	P	µg/L	20	1/22/2019 6:58:52 PM
Bromobenzene	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
Bromodichloromethane	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
Bromoform	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
Bromomethane	ND	60	P	µg/L	20	1/22/2019 6:58:52 PM
2-Butanone	ND	200	P	µg/L	20	1/22/2019 6:58:52 PM
Carbon disulfide	ND	200	P	µg/L	20	1/22/2019 6:58:52 PM
Carbon Tetrachloride	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
Chlorobenzene	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
Chloroethane	ND	40	P	µg/L	20	1/22/2019 6:58:52 PM
Chloroform	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
Chloromethane	ND	60	P	µg/L	20	1/22/2019 6:58:52 PM
2-Chlorotoluene	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
4-Chlorotoluene	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
cis-1,2-DCE	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
cis-1,3-Dichloropropene	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
1,2-Dibromo-3-chloropropane	ND	40	P	µg/L	20	1/22/2019 6:58:52 PM
Dibromochloromethane	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
Dibromomethane	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
1,2-Dichlorobenzene	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
1,3-Dichlorobenzene	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
1,4-Dichlorobenzene	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
Dichlorodifluoromethane	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
1,1-Dichloroethane	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
1,1-Dichloroethene	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
1,2-Dichloropropane	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
1,3-Dichloropropane	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
2,2-Dichloropropane	ND	40	P	µg/L	20	1/22/2019 6:58:52 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SMA-1
Project: TTS and SG Deming
Collection Date: 1/15/2019 2:33:00 PM
Lab ID: 1901738-005 **Matrix:** AQUEOUS **Received Date:** 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
1,1-Dichloropropene	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
Hexachlorobutadiene	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
2-Hexanone	ND	200	P	µg/L	20	1/22/2019 6:58:52 PM
Isopropylbenzene	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
4-Isopropyltoluene	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
4-Methyl-2-pentanone	ND	200	P	µg/L	20	1/22/2019 6:58:52 PM
Methylene Chloride	ND	60	P	µg/L	20	1/22/2019 6:58:52 PM
n-Butylbenzene	ND	60	P	µg/L	20	1/22/2019 6:58:52 PM
n-Propylbenzene	32	20	P	µg/L	20	1/22/2019 6:58:52 PM
sec-Butylbenzene	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
Styrene	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
tert-Butylbenzene	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
1,1,1,2-Tetrachloroethane	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
1,1,2,2-Tetrachloroethane	ND	40	P	µg/L	20	1/22/2019 6:58:52 PM
Tetrachloroethene (PCE)	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
trans-1,2-DCE	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
trans-1,3-Dichloropropene	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
1,2,3-Trichlorobenzene	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
1,2,4-Trichlorobenzene	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
1,1,1-Trichloroethane	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
1,1,2-Trichloroethane	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
Trichloroethene (TCE)	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
Trichlorofluoromethane	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
1,2,3-Trichloropropane	ND	40	P	µg/L	20	1/22/2019 6:58:52 PM
Vinyl chloride	ND	20	P	µg/L	20	1/22/2019 6:58:52 PM
Xylenes, Total	67	30	P	µg/L	20	1/22/2019 6:58:52 PM
Surr: 1,2-Dichloroethane-d4	101	70-130	P	%Rec	20	1/22/2019 6:58:52 PM
Surr: 4-Bromofluorobenzene	101	70-130	P	%Rec	20	1/22/2019 6:58:52 PM
Surr: Dibromofluoromethane	101	70-130	P	%Rec	20	1/22/2019 6:58:52 PM
Surr: Toluene-d8	103	70-130	P	%Rec	20	1/22/2019 6:58:52 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: A-7
Project: TTS and SG Deming
Collection Date: 1/15/2019 3:34:00 PM
Lab ID: 1901738-006 **Matrix:** AQUEOUS **Received Date:** 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
Benzene	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
Toluene	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
Ethylbenzene	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
Naphthalene	ND	2.0		µg/L	2	1/22/2019 7:57:01 PM
1-Methylnaphthalene	ND	4.0		µg/L	2	1/22/2019 7:57:01 PM
2-Methylnaphthalene	ND	4.0		µg/L	2	1/22/2019 7:57:01 PM
Acetone	ND	10		µg/L	2	1/22/2019 7:57:01 PM
Bromobenzene	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
Bromodichloromethane	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
Bromoform	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
Bromomethane	ND	3.0		µg/L	2	1/22/2019 7:57:01 PM
2-Butanone	ND	10		µg/L	2	1/22/2019 7:57:01 PM
Carbon disulfide	ND	10		µg/L	2	1/22/2019 7:57:01 PM
Carbon Tetrachloride	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
Chlorobenzene	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
Chloroethane	ND	2.0		µg/L	2	1/22/2019 7:57:01 PM
Chloroform	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
Chloromethane	ND	3.0		µg/L	2	1/22/2019 7:57:01 PM
2-Chlorotoluene	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
4-Chlorotoluene	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
cis-1,2-DCE	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	2	1/22/2019 7:57:01 PM
Dibromochloromethane	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
Dibromomethane	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
Dichlorodifluoromethane	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
1,1-Dichloroethane	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
1,1-Dichloroethene	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
1,2-Dichloropropane	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
1,3-Dichloropropane	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
2,2-Dichloropropane	ND	2.0		µg/L	2	1/22/2019 7:57:01 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: A-7
Project: TTS and SG Deming
Collection Date: 1/15/2019 3:34:00 PM
Lab ID: 1901738-006
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
1,1-Dichloropropene	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
Hexachlorobutadiene	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
2-Hexanone	ND	10		µg/L	2	1/22/2019 7:57:01 PM
Isopropylbenzene	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
4-Isopropyltoluene	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
4-Methyl-2-pentanone	ND	10		µg/L	2	1/22/2019 7:57:01 PM
Methylene Chloride	ND	3.0		µg/L	2	1/22/2019 7:57:01 PM
n-Butylbenzene	ND	3.0		µg/L	2	1/22/2019 7:57:01 PM
n-Propylbenzene	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
sec-Butylbenzene	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
Styrene	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
tert-Butylbenzene	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	2	1/22/2019 7:57:01 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
trans-1,2-DCE	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	1/22/2019 7:57:01 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
Trichloroethene (TCE)	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
Trichlorofluoromethane	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	2	1/22/2019 7:57:01 PM
Vinyl chloride	ND	1.0		µg/L	2	1/22/2019 7:57:01 PM
Xylenes, Total	ND	1.5		µg/L	2	1/22/2019 7:57:01 PM
Surr: 1,2-Dichloroethane-d4	99.4	70-130		%Rec	2	1/22/2019 7:57:01 PM
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	2	1/22/2019 7:57:01 PM
Surr: Dibromofluoromethane	99.4	70-130		%Rec	2	1/22/2019 7:57:01 PM
Surr: Toluene-d8	103	70-130		%Rec	2	1/22/2019 7:57:01 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: A-8
Project: TTS and SG Deming
Collection Date: 1/15/2019 4:37:00 PM
Lab ID: 1901738-007 **Matrix:** AQUEOUS **Received Date:** 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
Benzene	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
Toluene	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
Ethylbenzene	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
Naphthalene	ND	2.0		µg/L	2	1/22/2019 8:55:04 PM
1-Methylnaphthalene	ND	4.0		µg/L	2	1/22/2019 8:55:04 PM
2-Methylnaphthalene	ND	4.0		µg/L	2	1/22/2019 8:55:04 PM
Acetone	ND	10		µg/L	2	1/22/2019 8:55:04 PM
Bromobenzene	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
Bromodichloromethane	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
Bromoform	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
Bromomethane	ND	3.0		µg/L	2	1/22/2019 8:55:04 PM
2-Butanone	ND	10		µg/L	2	1/22/2019 8:55:04 PM
Carbon disulfide	ND	10		µg/L	2	1/22/2019 8:55:04 PM
Carbon Tetrachloride	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
Chlorobenzene	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
Chloroethane	ND	2.0		µg/L	2	1/22/2019 8:55:04 PM
Chloroform	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
Chloromethane	ND	3.0		µg/L	2	1/22/2019 8:55:04 PM
2-Chlorotoluene	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
4-Chlorotoluene	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
cis-1,2-DCE	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	2	1/22/2019 8:55:04 PM
Dibromochloromethane	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
Dibromomethane	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
Dichlorodifluoromethane	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
1,1-Dichloroethane	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
1,1-Dichloroethene	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
1,2-Dichloropropane	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
1,3-Dichloropropane	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
2,2-Dichloropropane	ND	2.0		µg/L	2	1/22/2019 8:55:04 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: A-8
Project: TTS and SG Deming
Collection Date: 1/15/2019 4:37:00 PM
Lab ID: 1901738-007
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
1,1-Dichloropropene	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
Hexachlorobutadiene	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
2-Hexanone	ND	10		µg/L	2	1/22/2019 8:55:04 PM
Isopropylbenzene	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
4-Isopropyltoluene	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
4-Methyl-2-pentanone	ND	10		µg/L	2	1/22/2019 8:55:04 PM
Methylene Chloride	ND	3.0		µg/L	2	1/22/2019 8:55:04 PM
n-Butylbenzene	ND	3.0		µg/L	2	1/22/2019 8:55:04 PM
n-Propylbenzene	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
sec-Butylbenzene	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
Styrene	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
tert-Butylbenzene	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	2	1/22/2019 8:55:04 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
trans-1,2-DCE	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	1/22/2019 8:55:04 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
Trichloroethene (TCE)	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
Trichlorofluoromethane	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	2	1/22/2019 8:55:04 PM
Vinyl chloride	ND	1.0		µg/L	2	1/22/2019 8:55:04 PM
Xylenes, Total	ND	1.5		µg/L	2	1/22/2019 8:55:04 PM
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	2	1/22/2019 8:55:04 PM
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	2	1/22/2019 8:55:04 PM
Surr: Dibromofluoromethane	103	70-130		%Rec	2	1/22/2019 8:55:04 PM
Surr: Toluene-d8	104	70-130		%Rec	2	1/22/2019 8:55:04 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: BTMW-13
Project: TTS and SG Deming
Collection Date: 1/15/2019 5:19:00 PM
Lab ID: 1901738-008 **Matrix:** AQUEOUS **Received Date:** 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
Benzene	3700	500		µg/L	500	1/23/2019 12:17:44 AM
Toluene	21000	500		µg/L	500	1/23/2019 12:17:44 AM
Ethylbenzene	2000	500		µg/L	500	1/23/2019 12:17:44 AM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
1,2,4-Trimethylbenzene	1000	500		µg/L	500	1/23/2019 12:17:44 AM
1,3,5-Trimethylbenzene	290	5.0		µg/L	5	1/22/2019 12:39:09 PM
1,2-Dichloroethane (EDC)	23	5.0		µg/L	5	1/22/2019 12:39:09 PM
1,2-Dibromoethane (EDB)	21	5.0		µg/L	5	1/22/2019 12:39:09 PM
Naphthalene	370	10		µg/L	5	1/22/2019 12:39:09 PM
1-Methylnaphthalene	62	20		µg/L	5	1/22/2019 12:39:09 PM
2-Methylnaphthalene	110	20		µg/L	5	1/22/2019 12:39:09 PM
Acetone	ND	50		µg/L	5	1/22/2019 12:39:09 PM
Bromobenzene	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
Bromodichloromethane	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
Bromoform	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
Bromomethane	ND	15		µg/L	5	1/22/2019 12:39:09 PM
2-Butanone	ND	50		µg/L	5	1/22/2019 12:39:09 PM
Carbon disulfide	ND	50		µg/L	5	1/22/2019 12:39:09 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
Chlorobenzene	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
Chloroethane	ND	10		µg/L	5	1/22/2019 12:39:09 PM
Chloroform	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
Chloromethane	ND	15		µg/L	5	1/22/2019 12:39:09 PM
2-Chlorotoluene	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
4-Chlorotoluene	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
cis-1,2-DCE	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	1/22/2019 12:39:09 PM
Dibromochloromethane	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
Dibromomethane	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
2,2-Dichloropropane	ND	10		µg/L	5	1/22/2019 12:39:09 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: BTMW-13
Project: TTS and SG Deming
Collection Date: 1/15/2019 5:19:00 PM
Lab ID: 1901738-008
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
1,1-Dichloropropene	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
2-Hexanone	ND	50		µg/L	5	1/22/2019 12:39:09 PM
Isopropylbenzene	49	5.0		µg/L	5	1/22/2019 12:39:09 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	1/22/2019 12:39:09 PM
Methylene Chloride	ND	15		µg/L	5	1/22/2019 12:39:09 PM
n-Butylbenzene	ND	15		µg/L	5	1/22/2019 12:39:09 PM
n-Propylbenzene	140	5.0		µg/L	5	1/22/2019 12:39:09 PM
sec-Butylbenzene	5.0	5.0		µg/L	5	1/22/2019 12:39:09 PM
Styrene	5.3	5.0		µg/L	5	1/22/2019 12:39:09 PM
tert-Butylbenzene	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	1/22/2019 12:39:09 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
trans-1,2-DCE	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	1/22/2019 12:39:09 PM
Vinyl chloride	ND	5.0		µg/L	5	1/22/2019 12:39:09 PM
Xylenes, Total	8000	750		µg/L	500	1/23/2019 12:17:44 AM
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	5	1/22/2019 12:39:09 PM
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	5	1/22/2019 12:39:09 PM
Surr: Dibromofluoromethane	99.0	70-130		%Rec	5	1/22/2019 12:39:09 PM
Surr: Toluene-d8	91.6	70-130		%Rec	5	1/22/2019 12:39:09 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: BTMW-8
Project: TTS and SG Deming
Collection Date: 1/16/2019 9:08:00 AM
Lab ID: 1901738-009 **Matrix:** AQUEOUS **Received Date:** 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
Benzene	580	20		µg/L	20	1/23/2019 6:01:02 PM
Toluene	2100	100		µg/L	100	1/22/2019 9:53:06 PM
Ethylbenzene	370	20		µg/L	20	1/23/2019 6:01:02 PM
Methyl tert-butyl ether (MTBE)	ND	20		µg/L	20	1/23/2019 6:01:02 PM
1,2,4-Trimethylbenzene	2700	100		µg/L	100	1/22/2019 9:53:06 PM
1,3,5-Trimethylbenzene	1300	20		µg/L	20	1/23/2019 6:01:02 PM
1,2-Dichloroethane (EDC)	150	20		µg/L	20	1/23/2019 6:01:02 PM
1,2-Dibromoethane (EDB)	ND	20		µg/L	20	1/23/2019 6:01:02 PM
Naphthalene	520	40		µg/L	20	1/23/2019 6:01:02 PM
1-Methylnaphthalene	230	80		µg/L	20	1/23/2019 6:01:02 PM
2-Methylnaphthalene	350	80		µg/L	20	1/23/2019 6:01:02 PM
Acetone	ND	200		µg/L	20	1/23/2019 6:01:02 PM
Bromobenzene	ND	20		µg/L	20	1/23/2019 6:01:02 PM
Bromodichloromethane	ND	20		µg/L	20	1/23/2019 6:01:02 PM
Bromoform	ND	20		µg/L	20	1/23/2019 6:01:02 PM
Bromomethane	ND	60		µg/L	20	1/23/2019 6:01:02 PM
2-Butanone	ND	200		µg/L	20	1/23/2019 6:01:02 PM
Carbon disulfide	ND	200		µg/L	20	1/23/2019 6:01:02 PM
Carbon Tetrachloride	ND	20		µg/L	20	1/23/2019 6:01:02 PM
Chlorobenzene	ND	20		µg/L	20	1/23/2019 6:01:02 PM
Chloroethane	ND	40		µg/L	20	1/23/2019 6:01:02 PM
Chloroform	ND	20		µg/L	20	1/23/2019 6:01:02 PM
Chloromethane	ND	60		µg/L	20	1/23/2019 6:01:02 PM
2-Chlorotoluene	ND	20		µg/L	20	1/23/2019 6:01:02 PM
4-Chlorotoluene	ND	20		µg/L	20	1/23/2019 6:01:02 PM
cis-1,2-DCE	ND	20		µg/L	20	1/23/2019 6:01:02 PM
cis-1,3-Dichloropropene	ND	20		µg/L	20	1/23/2019 6:01:02 PM
1,2-Dibromo-3-chloropropane	ND	40		µg/L	20	1/23/2019 6:01:02 PM
Dibromochloromethane	ND	20		µg/L	20	1/23/2019 6:01:02 PM
Dibromomethane	ND	20		µg/L	20	1/23/2019 6:01:02 PM
1,2-Dichlorobenzene	ND	20		µg/L	20	1/23/2019 6:01:02 PM
1,3-Dichlorobenzene	ND	20		µg/L	20	1/23/2019 6:01:02 PM
1,4-Dichlorobenzene	ND	20		µg/L	20	1/23/2019 6:01:02 PM
Dichlorodifluoromethane	ND	20		µg/L	20	1/23/2019 6:01:02 PM
1,1-Dichloroethane	ND	20		µg/L	20	1/23/2019 6:01:02 PM
1,1-Dichloroethene	ND	20		µg/L	20	1/23/2019 6:01:02 PM
1,2-Dichloropropane	ND	20		µg/L	20	1/23/2019 6:01:02 PM
1,3-Dichloropropane	ND	20		µg/L	20	1/23/2019 6:01:02 PM
2,2-Dichloropropane	ND	40		µg/L	20	1/23/2019 6:01:02 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: BTMW-8
Project: TTS and SG Deming
Collection Date: 1/16/2019 9:08:00 AM
Lab ID: 1901738-009
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
1,1-Dichloropropene	ND	20		µg/L	20	1/23/2019 6:01:02 PM
Hexachlorobutadiene	ND	20		µg/L	20	1/23/2019 6:01:02 PM
2-Hexanone	ND	200		µg/L	20	1/23/2019 6:01:02 PM
Isopropylbenzene	62	20		µg/L	20	1/23/2019 6:01:02 PM
4-Isopropyltoluene	24	20		µg/L	20	1/23/2019 6:01:02 PM
4-Methyl-2-pentanone	ND	200		µg/L	20	1/23/2019 6:01:02 PM
Methylene Chloride	ND	60		µg/L	20	1/23/2019 6:01:02 PM
n-Butylbenzene	80	60		µg/L	20	1/23/2019 6:01:02 PM
n-Propylbenzene	200	20		µg/L	20	1/23/2019 6:01:02 PM
sec-Butylbenzene	32	20		µg/L	20	1/23/2019 6:01:02 PM
Styrene	ND	20		µg/L	20	1/23/2019 6:01:02 PM
tert-Butylbenzene	ND	20		µg/L	20	1/23/2019 6:01:02 PM
1,1,1,2-Tetrachloroethane	ND	20		µg/L	20	1/23/2019 6:01:02 PM
1,1,2,2-Tetrachloroethane	ND	40		µg/L	20	1/23/2019 6:01:02 PM
Tetrachloroethene (PCE)	ND	20		µg/L	20	1/23/2019 6:01:02 PM
trans-1,2-DCE	ND	20		µg/L	20	1/23/2019 6:01:02 PM
trans-1,3-Dichloropropene	ND	20		µg/L	20	1/23/2019 6:01:02 PM
1,2,3-Trichlorobenzene	ND	20		µg/L	20	1/23/2019 6:01:02 PM
1,2,4-Trichlorobenzene	ND	20		µg/L	20	1/23/2019 6:01:02 PM
1,1,1-Trichloroethane	ND	20		µg/L	20	1/23/2019 6:01:02 PM
1,1,2-Trichloroethane	ND	20		µg/L	20	1/23/2019 6:01:02 PM
Trichloroethene (TCE)	ND	20		µg/L	20	1/23/2019 6:01:02 PM
Trichlorofluoromethane	ND	20		µg/L	20	1/23/2019 6:01:02 PM
1,2,3-Trichloropropane	ND	40		µg/L	20	1/23/2019 6:01:02 PM
Vinyl chloride	ND	20		µg/L	20	1/23/2019 6:01:02 PM
Xylenes, Total	5900	150		µg/L	100	1/22/2019 9:53:06 PM
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	20	1/23/2019 6:01:02 PM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	20	1/23/2019 6:01:02 PM
Surr: Dibromofluoromethane	99.0	70-130		%Rec	20	1/23/2019 6:01:02 PM
Surr: Toluene-d8	99.0	70-130		%Rec	20	1/23/2019 6:01:02 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SMA-2
Project: TTS and SG Deming
Collection Date: 1/16/2019 9:30:00 AM
Lab ID: 1901738-010
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
Benzene	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
Toluene	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
Ethylbenzene	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
1,2-Dichloroethane (EDC)	1.1	1.0		µg/L	1	1/23/2019 12:46:32 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
Naphthalene	ND	2.0		µg/L	1	1/23/2019 12:46:32 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	1/23/2019 12:46:32 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	1/23/2019 12:46:32 AM
Acetone	ND	10		µg/L	1	1/23/2019 12:46:32 AM
Bromobenzene	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
Bromodichloromethane	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
Bromoform	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
Bromomethane	ND	3.0		µg/L	1	1/23/2019 12:46:32 AM
2-Butanone	ND	10		µg/L	1	1/23/2019 12:46:32 AM
Carbon disulfide	ND	10		µg/L	1	1/23/2019 12:46:32 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
Chlorobenzene	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
Chloroethane	ND	2.0		µg/L	1	1/23/2019 12:46:32 AM
Chloroform	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
Chloromethane	ND	3.0		µg/L	1	1/23/2019 12:46:32 AM
2-Chlorotoluene	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
4-Chlorotoluene	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
cis-1,2-DCE	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/23/2019 12:46:32 AM
Dibromochloromethane	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
Dibromomethane	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	1/23/2019 12:46:32 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SMA-2
Project: TTS and SG Deming
Collection Date: 1/16/2019 9:30:00 AM
Lab ID: 1901738-010
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
1,1-Dichloropropene	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
2-Hexanone	ND	10		µg/L	1	1/23/2019 12:46:32 AM
Isopropylbenzene	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	1/23/2019 12:46:32 AM
Methylene Chloride	ND	3.0		µg/L	1	1/23/2019 12:46:32 AM
n-Butylbenzene	ND	3.0		µg/L	1	1/23/2019 12:46:32 AM
n-Propylbenzene	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
sec-Butylbenzene	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
Styrene	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
tert-Butylbenzene	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/23/2019 12:46:32 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
trans-1,2-DCE	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/23/2019 12:46:32 AM
Vinyl chloride	ND	1.0		µg/L	1	1/23/2019 12:46:32 AM
Xylenes, Total	ND	1.5		µg/L	1	1/23/2019 12:46:32 AM
Surr: 1,2-Dichloroethane-d4	98.9	70-130		%Rec	1	1/23/2019 12:46:32 AM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	1/23/2019 12:46:32 AM
Surr: Dibromofluoromethane	102	70-130		%Rec	1	1/23/2019 12:46:32 AM
Surr: Toluene-d8	101	70-130		%Rec	1	1/23/2019 12:46:32 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: A-2
Project: TTS and SG Deming
Collection Date: 1/16/2019 10:04:00 AM
Lab ID: 1901738-011
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
Benzene	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
Toluene	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
Ethylbenzene	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
1,2-Dichloroethane (EDC)	12	1.0		µg/L	1	1/23/2019 1:15:21 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
Naphthalene	ND	2.0		µg/L	1	1/23/2019 1:15:21 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	1/23/2019 1:15:21 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	1/23/2019 1:15:21 AM
Acetone	ND	10		µg/L	1	1/23/2019 1:15:21 AM
Bromobenzene	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
Bromodichloromethane	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
Bromoform	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
Bromomethane	ND	3.0		µg/L	1	1/23/2019 1:15:21 AM
2-Butanone	ND	10		µg/L	1	1/23/2019 1:15:21 AM
Carbon disulfide	ND	10		µg/L	1	1/23/2019 1:15:21 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
Chlorobenzene	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
Chloroethane	ND	2.0		µg/L	1	1/23/2019 1:15:21 AM
Chloroform	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
Chloromethane	ND	3.0		µg/L	1	1/23/2019 1:15:21 AM
2-Chlorotoluene	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
4-Chlorotoluene	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
cis-1,2-DCE	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/23/2019 1:15:21 AM
Dibromochloromethane	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
Dibromomethane	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	1/23/2019 1:15:21 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: A-2
Project: TTS and SG Deming
Collection Date: 1/16/2019 10:04:00 AM
Lab ID: 1901738-011
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
1,1-Dichloropropene	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
2-Hexanone	ND	10		µg/L	1	1/23/2019 1:15:21 AM
Isopropylbenzene	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	1/23/2019 1:15:21 AM
Methylene Chloride	ND	3.0		µg/L	1	1/23/2019 1:15:21 AM
n-Butylbenzene	ND	3.0		µg/L	1	1/23/2019 1:15:21 AM
n-Propylbenzene	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
sec-Butylbenzene	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
Styrene	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
tert-Butylbenzene	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/23/2019 1:15:21 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
trans-1,2-DCE	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/23/2019 1:15:21 AM
Vinyl chloride	ND	1.0		µg/L	1	1/23/2019 1:15:21 AM
Xylenes, Total	ND	1.5		µg/L	1	1/23/2019 1:15:21 AM
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	1/23/2019 1:15:21 AM
Surr: 4-Bromofluorobenzene	97.7	70-130		%Rec	1	1/23/2019 1:15:21 AM
Surr: Dibromofluoromethane	101	70-130		%Rec	1	1/23/2019 1:15:21 AM
Surr: Toluene-d8	102	70-130		%Rec	1	1/23/2019 1:15:21 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: BTMW-5
Project: TTS and SG Deming
Collection Date: 1/16/2019 10:59:00 AM
Lab ID: 1901738-012
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
Benzene	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
Toluene	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
Ethylbenzene	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
1,2-Dichloroethane (EDC)	1.6	1.0		µg/L	1	1/23/2019 1:44:03 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
Naphthalene	ND	2.0		µg/L	1	1/23/2019 1:44:03 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	1/23/2019 1:44:03 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	1/23/2019 1:44:03 AM
Acetone	ND	10		µg/L	1	1/23/2019 1:44:03 AM
Bromobenzene	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
Bromodichloromethane	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
Bromoform	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
Bromomethane	ND	3.0		µg/L	1	1/23/2019 1:44:03 AM
2-Butanone	ND	10		µg/L	1	1/23/2019 1:44:03 AM
Carbon disulfide	ND	10		µg/L	1	1/23/2019 1:44:03 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
Chlorobenzene	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
Chloroethane	ND	2.0		µg/L	1	1/23/2019 1:44:03 AM
Chloroform	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
Chloromethane	ND	3.0		µg/L	1	1/23/2019 1:44:03 AM
2-Chlorotoluene	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
4-Chlorotoluene	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
cis-1,2-DCE	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/23/2019 1:44:03 AM
Dibromochloromethane	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
Dibromomethane	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	1/23/2019 1:44:03 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: BTMW-5
Project: TTS and SG Deming
Collection Date: 1/16/2019 10:59:00 AM
Lab ID: 1901738-012
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
1,1-Dichloropropene	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
2-Hexanone	ND	10		µg/L	1	1/23/2019 1:44:03 AM
Isopropylbenzene	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	1/23/2019 1:44:03 AM
Methylene Chloride	ND	3.0		µg/L	1	1/23/2019 1:44:03 AM
n-Butylbenzene	ND	3.0		µg/L	1	1/23/2019 1:44:03 AM
n-Propylbenzene	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
sec-Butylbenzene	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
Styrene	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
tert-Butylbenzene	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/23/2019 1:44:03 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
trans-1,2-DCE	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/23/2019 1:44:03 AM
Vinyl chloride	ND	1.0		µg/L	1	1/23/2019 1:44:03 AM
Xylenes, Total	ND	1.5		µg/L	1	1/23/2019 1:44:03 AM
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	1	1/23/2019 1:44:03 AM
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	1	1/23/2019 1:44:03 AM
Surr: Dibromofluoromethane	104	70-130		%Rec	1	1/23/2019 1:44:03 AM
Surr: Toluene-d8	106	70-130		%Rec	1	1/23/2019 1:44:03 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SMA-7
Project: TTS and SG Deming
Collection Date: 1/16/2019 10:21:00 AM
Lab ID: 1901738-013
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
Benzene	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
Toluene	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
Ethylbenzene	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
1,2-Dichloroethane (EDC)	10	1.0		µg/L	1	1/23/2019 2:12:50 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
Naphthalene	ND	2.0		µg/L	1	1/23/2019 2:12:50 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	1/23/2019 2:12:50 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	1/23/2019 2:12:50 AM
Acetone	ND	10		µg/L	1	1/23/2019 2:12:50 AM
Bromobenzene	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
Bromodichloromethane	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
Bromoform	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
Bromomethane	ND	3.0		µg/L	1	1/23/2019 2:12:50 AM
2-Butanone	ND	10		µg/L	1	1/23/2019 2:12:50 AM
Carbon disulfide	ND	10		µg/L	1	1/23/2019 2:12:50 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
Chlorobenzene	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
Chloroethane	ND	2.0		µg/L	1	1/23/2019 2:12:50 AM
Chloroform	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
Chloromethane	ND	3.0		µg/L	1	1/23/2019 2:12:50 AM
2-Chlorotoluene	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
4-Chlorotoluene	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
cis-1,2-DCE	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/23/2019 2:12:50 AM
Dibromochloromethane	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
Dibromomethane	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	1/23/2019 2:12:50 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: SMA-7
Project: TTS and SG Deming
Collection Date: 1/16/2019 10:21:00 AM
Lab ID: 1901738-013
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
1,1-Dichloropropene	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
2-Hexanone	ND	10		µg/L	1	1/23/2019 2:12:50 AM
Isopropylbenzene	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	1/23/2019 2:12:50 AM
Methylene Chloride	ND	3.0		µg/L	1	1/23/2019 2:12:50 AM
n-Butylbenzene	ND	3.0		µg/L	1	1/23/2019 2:12:50 AM
n-Propylbenzene	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
sec-Butylbenzene	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
Styrene	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
tert-Butylbenzene	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/23/2019 2:12:50 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
trans-1,2-DCE	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/23/2019 2:12:50 AM
Vinyl chloride	ND	1.0		µg/L	1	1/23/2019 2:12:50 AM
Xylenes, Total	ND	1.5		µg/L	1	1/23/2019 2:12:50 AM
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	1/23/2019 2:12:50 AM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	1/23/2019 2:12:50 AM
Surr: Dibromofluoromethane	98.2	70-130		%Rec	1	1/23/2019 2:12:50 AM
Surr: Toluene-d8	102	70-130		%Rec	1	1/23/2019 2:12:50 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: BTMW-2
Project: TTS and SG Deming
Collection Date: 1/16/2019 11:35:00 AM
Lab ID: 1901738-014
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
Benzene	2600	200		µg/L	200	1/23/2019 2:41:34 AM
Toluene	49	20		µg/L	20	1/23/2019 3:10:16 AM
Ethylbenzene	260	20		µg/L	20	1/23/2019 3:10:16 AM
Methyl tert-butyl ether (MTBE)	ND	20		µg/L	20	1/23/2019 3:10:16 AM
1,2,4-Trimethylbenzene	160	20		µg/L	20	1/23/2019 3:10:16 AM
1,3,5-Trimethylbenzene	45	20		µg/L	20	1/23/2019 3:10:16 AM
1,2-Dichloroethane (EDC)	310	20		µg/L	20	1/23/2019 3:10:16 AM
1,2-Dibromoethane (EDB)	ND	20		µg/L	20	1/23/2019 3:10:16 AM
Naphthalene	67	40		µg/L	20	1/23/2019 3:10:16 AM
1-Methylnaphthalene	ND	80		µg/L	20	1/23/2019 3:10:16 AM
2-Methylnaphthalene	ND	80		µg/L	20	1/23/2019 3:10:16 AM
Acetone	ND	200		µg/L	20	1/23/2019 3:10:16 AM
Bromobenzene	ND	20		µg/L	20	1/23/2019 3:10:16 AM
Bromodichloromethane	ND	20		µg/L	20	1/23/2019 3:10:16 AM
Bromoform	ND	20		µg/L	20	1/23/2019 3:10:16 AM
Bromomethane	ND	60		µg/L	20	1/23/2019 3:10:16 AM
2-Butanone	ND	200		µg/L	20	1/23/2019 3:10:16 AM
Carbon disulfide	ND	200		µg/L	20	1/23/2019 3:10:16 AM
Carbon Tetrachloride	ND	20		µg/L	20	1/23/2019 3:10:16 AM
Chlorobenzene	ND	20		µg/L	20	1/23/2019 3:10:16 AM
Chloroethane	ND	40		µg/L	20	1/23/2019 3:10:16 AM
Chloroform	ND	20		µg/L	20	1/23/2019 3:10:16 AM
Chloromethane	ND	60		µg/L	20	1/23/2019 3:10:16 AM
2-Chlorotoluene	ND	20		µg/L	20	1/23/2019 3:10:16 AM
4-Chlorotoluene	ND	20		µg/L	20	1/23/2019 3:10:16 AM
cis-1,2-DCE	ND	20		µg/L	20	1/23/2019 3:10:16 AM
cis-1,3-Dichloropropene	ND	20		µg/L	20	1/23/2019 3:10:16 AM
1,2-Dibromo-3-chloropropane	ND	40		µg/L	20	1/23/2019 3:10:16 AM
Dibromochloromethane	ND	20		µg/L	20	1/23/2019 3:10:16 AM
Dibromomethane	ND	20		µg/L	20	1/23/2019 3:10:16 AM
1,2-Dichlorobenzene	ND	20		µg/L	20	1/23/2019 3:10:16 AM
1,3-Dichlorobenzene	ND	20		µg/L	20	1/23/2019 3:10:16 AM
1,4-Dichlorobenzene	ND	20		µg/L	20	1/23/2019 3:10:16 AM
Dichlorodifluoromethane	ND	20		µg/L	20	1/23/2019 3:10:16 AM
1,1-Dichloroethane	ND	20		µg/L	20	1/23/2019 3:10:16 AM
1,1-Dichloroethene	ND	20		µg/L	20	1/23/2019 3:10:16 AM
1,2-Dichloropropane	ND	20		µg/L	20	1/23/2019 3:10:16 AM
1,3-Dichloropropane	ND	20		µg/L	20	1/23/2019 3:10:16 AM
2,2-Dichloropropane	ND	40		µg/L	20	1/23/2019 3:10:16 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: BTMW-2
Project: TTS and SG Deming
Collection Date: 1/16/2019 11:35:00 AM
Lab ID: 1901738-014
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
1,1-Dichloropropene	ND	20		µg/L	20	1/23/2019 3:10:16 AM
Hexachlorobutadiene	ND	20		µg/L	20	1/23/2019 3:10:16 AM
2-Hexanone	ND	200		µg/L	20	1/23/2019 3:10:16 AM
Isopropylbenzene	ND	20		µg/L	20	1/23/2019 3:10:16 AM
4-Isopropyltoluene	ND	20		µg/L	20	1/23/2019 3:10:16 AM
4-Methyl-2-pentanone	ND	200		µg/L	20	1/23/2019 3:10:16 AM
Methylene Chloride	ND	60		µg/L	20	1/23/2019 3:10:16 AM
n-Butylbenzene	ND	60		µg/L	20	1/23/2019 3:10:16 AM
n-Propylbenzene	ND	20		µg/L	20	1/23/2019 3:10:16 AM
sec-Butylbenzene	ND	20		µg/L	20	1/23/2019 3:10:16 AM
Styrene	ND	20		µg/L	20	1/23/2019 3:10:16 AM
tert-Butylbenzene	ND	20		µg/L	20	1/23/2019 3:10:16 AM
1,1,1,2-Tetrachloroethane	ND	20		µg/L	20	1/23/2019 3:10:16 AM
1,1,2,2-Tetrachloroethane	ND	40		µg/L	20	1/23/2019 3:10:16 AM
Tetrachloroethene (PCE)	ND	20		µg/L	20	1/23/2019 3:10:16 AM
trans-1,2-DCE	ND	20		µg/L	20	1/23/2019 3:10:16 AM
trans-1,3-Dichloropropene	ND	20		µg/L	20	1/23/2019 3:10:16 AM
1,2,3-Trichlorobenzene	ND	20		µg/L	20	1/23/2019 3:10:16 AM
1,2,4-Trichlorobenzene	ND	20		µg/L	20	1/23/2019 3:10:16 AM
1,1,1-Trichloroethane	ND	20		µg/L	20	1/23/2019 3:10:16 AM
1,1,2-Trichloroethane	ND	20		µg/L	20	1/23/2019 3:10:16 AM
Trichloroethene (TCE)	ND	20		µg/L	20	1/23/2019 3:10:16 AM
Trichlorofluoromethane	ND	20		µg/L	20	1/23/2019 3:10:16 AM
1,2,3-Trichloropropane	ND	40		µg/L	20	1/23/2019 3:10:16 AM
Vinyl chloride	ND	20		µg/L	20	1/23/2019 3:10:16 AM
Xylenes, Total	170	30		µg/L	20	1/23/2019 3:10:16 AM
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	20	1/23/2019 3:10:16 AM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	20	1/23/2019 3:10:16 AM
Surr: Dibromofluoromethane	102	70-130		%Rec	20	1/23/2019 3:10:16 AM
Surr: Toluene-d8	105	70-130		%Rec	20	1/23/2019 3:10:16 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: BTMW-1
Project: TTS and SG Deming
Collection Date: 1/16/2019 11:53:00 AM
Lab ID: 1901738-015
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
Benzene	270	20		µg/L	20	1/22/2019 11:40:45 AM
Toluene	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
Ethylbenzene	2.2	2.0		µg/L	2	1/22/2019 12:10:00 PM
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
1,2,4-Trimethylbenzene	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
1,3,5-Trimethylbenzene	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
1,2-Dichloroethane (EDC)	290	20		µg/L	20	1/22/2019 11:40:45 AM
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
Naphthalene	20	4.0		µg/L	2	1/22/2019 12:10:00 PM
1-Methylnaphthalene	ND	8.0		µg/L	2	1/22/2019 12:10:00 PM
2-Methylnaphthalene	ND	8.0		µg/L	2	1/22/2019 12:10:00 PM
Acetone	ND	20		µg/L	2	1/22/2019 12:10:00 PM
Bromobenzene	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
Bromodichloromethane	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
Bromoform	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
Bromomethane	ND	6.0		µg/L	2	1/22/2019 12:10:00 PM
2-Butanone	ND	20		µg/L	2	1/22/2019 12:10:00 PM
Carbon disulfide	ND	20		µg/L	2	1/22/2019 12:10:00 PM
Carbon Tetrachloride	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
Chlorobenzene	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
Chloroethane	ND	4.0		µg/L	2	1/22/2019 12:10:00 PM
Chloroform	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
Chloromethane	ND	6.0		µg/L	2	1/22/2019 12:10:00 PM
2-Chlorotoluene	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
4-Chlorotoluene	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
cis-1,2-DCE	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	1/22/2019 12:10:00 PM
Dibromochloromethane	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
Dibromomethane	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
1,2-Dichlorobenzene	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
1,3-Dichlorobenzene	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
1,4-Dichlorobenzene	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
Dichlorodifluoromethane	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
1,1-Dichloroethane	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
1,1-Dichloroethene	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
1,2-Dichloropropane	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
1,3-Dichloropropane	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
2,2-Dichloropropane	ND	4.0		µg/L	2	1/22/2019 12:10:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: BTMW-1
Project: TTS and SG Deming
Collection Date: 1/16/2019 11:53:00 AM
Lab ID: 1901738-015
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
1,1-Dichloropropene	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
Hexachlorobutadiene	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
2-Hexanone	ND	20		µg/L	2	1/22/2019 12:10:00 PM
Isopropylbenzene	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
4-Isopropyltoluene	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
4-Methyl-2-pentanone	ND	20		µg/L	2	1/22/2019 12:10:00 PM
Methylene Chloride	ND	6.0		µg/L	2	1/22/2019 12:10:00 PM
n-Butylbenzene	ND	6.0		µg/L	2	1/22/2019 12:10:00 PM
n-Propylbenzene	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
sec-Butylbenzene	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
Styrene	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
tert-Butylbenzene	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
1,1,2,2-Tetrachloroethane	ND	4.0		µg/L	2	1/22/2019 12:10:00 PM
Tetrachloroethene (PCE)	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
trans-1,2-DCE	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
1,1,1-Trichloroethane	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
1,1,2-Trichloroethane	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
Trichloroethene (TCE)	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
Trichlorofluoromethane	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
1,2,3-Trichloropropane	ND	4.0		µg/L	2	1/22/2019 12:10:00 PM
Vinyl chloride	ND	2.0		µg/L	2	1/22/2019 12:10:00 PM
Xylenes, Total	ND	3.0		µg/L	2	1/22/2019 12:10:00 PM
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	2	1/22/2019 12:10:00 PM
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	2	1/22/2019 12:10:00 PM
Surr: Dibromofluoromethane	98.5	70-130		%Rec	2	1/22/2019 12:10:00 PM
Surr: Toluene-d8	107	70-130		%Rec	2	1/22/2019 12:10:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: BTMW-9
Project: TTS and SG Deming
Collection Date: 1/16/2019 12:40:00 PM
Lab ID: 1901738-016
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
Benzene	2.7	2.0		µg/L	2	1/22/2019 6:00:35 PM
Toluene	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
Ethylbenzene	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
1,2,4-Trimethylbenzene	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
1,3,5-Trimethylbenzene	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
1,2-Dichloroethane (EDC)	130	2.0		µg/L	2	1/22/2019 6:00:35 PM
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
Naphthalene	ND	4.0		µg/L	2	1/22/2019 6:00:35 PM
1-Methylnaphthalene	ND	8.0		µg/L	2	1/22/2019 6:00:35 PM
2-Methylnaphthalene	ND	8.0		µg/L	2	1/22/2019 6:00:35 PM
Acetone	ND	20		µg/L	2	1/22/2019 6:00:35 PM
Bromobenzene	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
Bromodichloromethane	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
Bromoform	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
Bromomethane	ND	6.0		µg/L	2	1/22/2019 6:00:35 PM
2-Butanone	ND	20		µg/L	2	1/22/2019 6:00:35 PM
Carbon disulfide	ND	20		µg/L	2	1/22/2019 6:00:35 PM
Carbon Tetrachloride	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
Chlorobenzene	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
Chloroethane	ND	4.0		µg/L	2	1/22/2019 6:00:35 PM
Chloroform	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
Chloromethane	ND	6.0		µg/L	2	1/22/2019 6:00:35 PM
2-Chlorotoluene	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
4-Chlorotoluene	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
cis-1,2-DCE	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	1/22/2019 6:00:35 PM
Dibromochloromethane	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
Dibromomethane	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
1,2-Dichlorobenzene	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
1,3-Dichlorobenzene	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
1,4-Dichlorobenzene	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
Dichlorodifluoromethane	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
1,1-Dichloroethane	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
1,1-Dichloroethene	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
1,2-Dichloropropane	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
1,3-Dichloropropane	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
2,2-Dichloropropane	ND	4.0		µg/L	2	1/22/2019 6:00:35 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: BTMW-9
Project: TTS and SG Deming
Collection Date: 1/16/2019 12:40:00 PM
Lab ID: 1901738-016
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
1,1-Dichloropropene	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
Hexachlorobutadiene	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
2-Hexanone	ND	20		µg/L	2	1/22/2019 6:00:35 PM
Isopropylbenzene	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
4-Isopropyltoluene	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
4-Methyl-2-pentanone	ND	20		µg/L	2	1/22/2019 6:00:35 PM
Methylene Chloride	ND	6.0		µg/L	2	1/22/2019 6:00:35 PM
n-Butylbenzene	ND	6.0		µg/L	2	1/22/2019 6:00:35 PM
n-Propylbenzene	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
sec-Butylbenzene	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
Styrene	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
tert-Butylbenzene	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
1,1,2,2-Tetrachloroethane	ND	4.0		µg/L	2	1/22/2019 6:00:35 PM
Tetrachloroethene (PCE)	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
trans-1,2-DCE	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
1,1,1-Trichloroethane	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
1,1,2-Trichloroethane	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
Trichloroethene (TCE)	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
Trichlorofluoromethane	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
1,2,3-Trichloropropane	ND	4.0		µg/L	2	1/22/2019 6:00:35 PM
Vinyl chloride	ND	2.0		µg/L	2	1/22/2019 6:00:35 PM
Xylenes, Total	ND	3.0		µg/L	2	1/22/2019 6:00:35 PM
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	2	1/22/2019 6:00:35 PM
Surr: 4-Bromofluorobenzene	97.5	70-130		%Rec	2	1/22/2019 6:00:35 PM
Surr: Dibromofluoromethane	102	70-130		%Rec	2	1/22/2019 6:00:35 PM
Surr: Toluene-d8	109	70-130		%Rec	2	1/22/2019 6:00:35 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: BTMW-10
Project: TTS and SG Deming
Collection Date: 1/16/2019 1:45:00 PM
Lab ID: 1901738-017
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
Benzene	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
Toluene	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
Ethylbenzene	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
1,2-Dichloroethane (EDC)	1.3	1.0		µg/L	1	1/23/2019 3:38:55 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
Naphthalene	ND	2.0		µg/L	1	1/23/2019 3:38:55 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	1/23/2019 3:38:55 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	1/23/2019 3:38:55 AM
Acetone	ND	10		µg/L	1	1/23/2019 3:38:55 AM
Bromobenzene	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
Bromodichloromethane	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
Bromoform	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
Bromomethane	ND	3.0		µg/L	1	1/23/2019 3:38:55 AM
2-Butanone	ND	10		µg/L	1	1/23/2019 3:38:55 AM
Carbon disulfide	ND	10		µg/L	1	1/23/2019 3:38:55 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
Chlorobenzene	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
Chloroethane	ND	2.0		µg/L	1	1/23/2019 3:38:55 AM
Chloroform	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
Chloromethane	ND	3.0		µg/L	1	1/23/2019 3:38:55 AM
2-Chlorotoluene	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
4-Chlorotoluene	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
cis-1,2-DCE	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/23/2019 3:38:55 AM
Dibromochloromethane	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
Dibromomethane	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	1/23/2019 3:38:55 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: BTMW-10
Project: TTS and SG Deming
Collection Date: 1/16/2019 1:45:00 PM
Lab ID: 1901738-017
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
1,1-Dichloropropene	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
2-Hexanone	ND	10		µg/L	1	1/23/2019 3:38:55 AM
Isopropylbenzene	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	1/23/2019 3:38:55 AM
Methylene Chloride	ND	3.0		µg/L	1	1/23/2019 3:38:55 AM
n-Butylbenzene	ND	3.0		µg/L	1	1/23/2019 3:38:55 AM
n-Propylbenzene	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
sec-Butylbenzene	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
Styrene	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
tert-Butylbenzene	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/23/2019 3:38:55 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
trans-1,2-DCE	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/23/2019 3:38:55 AM
Vinyl chloride	ND	1.0		µg/L	1	1/23/2019 3:38:55 AM
Xylenes, Total	ND	1.5		µg/L	1	1/23/2019 3:38:55 AM
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	1	1/23/2019 3:38:55 AM
Surr: 4-Bromofluorobenzene	98.7	70-130		%Rec	1	1/23/2019 3:38:55 AM
Surr: Dibromofluoromethane	101	70-130		%Rec	1	1/23/2019 3:38:55 AM
Surr: Toluene-d8	104	70-130		%Rec	1	1/23/2019 3:38:55 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: A-1
Project: TTS and SG Deming
Collection Date: 1/16/2019 3:06:00 PM
Lab ID: 1901738-018
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
Benzene	6800	500		µg/L	500	1/23/2019 4:07:31 AM
Toluene	19000	500		µg/L	500	1/23/2019 4:07:31 AM
Ethylbenzene	1200	20		µg/L	20	1/22/2019 1:37:37 PM
Methyl tert-butyl ether (MTBE)	ND	20		µg/L	20	1/22/2019 1:37:37 PM
1,2,4-Trimethylbenzene	3300	500		µg/L	500	1/23/2019 4:07:31 AM
1,3,5-Trimethylbenzene	920	20		µg/L	20	1/22/2019 1:37:37 PM
1,2-Dichloroethane (EDC)	ND	20		µg/L	20	1/22/2019 1:37:37 PM
1,2-Dibromoethane (EDB)	ND	20		µg/L	20	1/22/2019 1:37:37 PM
Naphthalene	500	40		µg/L	20	1/22/2019 1:37:37 PM
1-Methylnaphthalene	120	80		µg/L	20	1/22/2019 1:37:37 PM
2-Methylnaphthalene	150	80		µg/L	20	1/22/2019 1:37:37 PM
Acetone	ND	200		µg/L	20	1/22/2019 1:37:37 PM
Bromobenzene	ND	20		µg/L	20	1/22/2019 1:37:37 PM
Bromodichloromethane	ND	20		µg/L	20	1/22/2019 1:37:37 PM
Bromoform	ND	20		µg/L	20	1/22/2019 1:37:37 PM
Bromomethane	ND	60		µg/L	20	1/22/2019 1:37:37 PM
2-Butanone	ND	200		µg/L	20	1/22/2019 1:37:37 PM
Carbon disulfide	ND	200		µg/L	20	1/22/2019 1:37:37 PM
Carbon Tetrachloride	ND	20		µg/L	20	1/22/2019 1:37:37 PM
Chlorobenzene	ND	20		µg/L	20	1/22/2019 1:37:37 PM
Chloroethane	ND	40		µg/L	20	1/22/2019 1:37:37 PM
Chloroform	ND	20		µg/L	20	1/22/2019 1:37:37 PM
Chloromethane	ND	60		µg/L	20	1/22/2019 1:37:37 PM
2-Chlorotoluene	ND	20		µg/L	20	1/22/2019 1:37:37 PM
4-Chlorotoluene	ND	20		µg/L	20	1/22/2019 1:37:37 PM
cis-1,2-DCE	ND	20		µg/L	20	1/22/2019 1:37:37 PM
cis-1,3-Dichloropropene	ND	20		µg/L	20	1/22/2019 1:37:37 PM
1,2-Dibromo-3-chloropropane	ND	40		µg/L	20	1/22/2019 1:37:37 PM
Dibromochloromethane	ND	20		µg/L	20	1/22/2019 1:37:37 PM
Dibromomethane	ND	20		µg/L	20	1/22/2019 1:37:37 PM
1,2-Dichlorobenzene	ND	20		µg/L	20	1/22/2019 1:37:37 PM
1,3-Dichlorobenzene	ND	20		µg/L	20	1/22/2019 1:37:37 PM
1,4-Dichlorobenzene	ND	20		µg/L	20	1/22/2019 1:37:37 PM
Dichlorodifluoromethane	ND	20		µg/L	20	1/22/2019 1:37:37 PM
1,1-Dichloroethane	ND	20		µg/L	20	1/22/2019 1:37:37 PM
1,1-Dichloroethene	ND	20		µg/L	20	1/22/2019 1:37:37 PM
1,2-Dichloropropane	ND	20		µg/L	20	1/22/2019 1:37:37 PM
1,3-Dichloropropane	ND	20		µg/L	20	1/22/2019 1:37:37 PM
2,2-Dichloropropane	ND	40		µg/L	20	1/22/2019 1:37:37 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: A-1
Project: TTS and SG Deming
Collection Date: 1/16/2019 3:06:00 PM
Lab ID: 1901738-018
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
1,1-Dichloropropene	ND	20		µg/L	20	1/22/2019 1:37:37 PM
Hexachlorobutadiene	ND	20		µg/L	20	1/22/2019 1:37:37 PM
2-Hexanone	ND	200		µg/L	20	1/22/2019 1:37:37 PM
Isopropylbenzene	73	20		µg/L	20	1/22/2019 1:37:37 PM
4-Isopropyltoluene	ND	20		µg/L	20	1/22/2019 1:37:37 PM
4-Methyl-2-pentanone	ND	200		µg/L	20	1/22/2019 1:37:37 PM
Methylene Chloride	ND	60		µg/L	20	1/22/2019 1:37:37 PM
n-Butylbenzene	ND	60		µg/L	20	1/22/2019 1:37:37 PM
n-Propylbenzene	210	20		µg/L	20	1/22/2019 1:37:37 PM
sec-Butylbenzene	ND	20		µg/L	20	1/22/2019 1:37:37 PM
Styrene	ND	20		µg/L	20	1/22/2019 1:37:37 PM
tert-Butylbenzene	ND	20		µg/L	20	1/22/2019 1:37:37 PM
1,1,1,2-Tetrachloroethane	ND	20		µg/L	20	1/22/2019 1:37:37 PM
1,1,2,2-Tetrachloroethane	ND	40		µg/L	20	1/22/2019 1:37:37 PM
Tetrachloroethene (PCE)	ND	20		µg/L	20	1/22/2019 1:37:37 PM
trans-1,2-DCE	ND	20		µg/L	20	1/22/2019 1:37:37 PM
trans-1,3-Dichloropropene	ND	20		µg/L	20	1/22/2019 1:37:37 PM
1,2,3-Trichlorobenzene	ND	20		µg/L	20	1/22/2019 1:37:37 PM
1,2,4-Trichlorobenzene	ND	20		µg/L	20	1/22/2019 1:37:37 PM
1,1,1-Trichloroethane	ND	20		µg/L	20	1/22/2019 1:37:37 PM
1,1,2-Trichloroethane	ND	20		µg/L	20	1/22/2019 1:37:37 PM
Trichloroethene (TCE)	ND	20		µg/L	20	1/22/2019 1:37:37 PM
Trichlorofluoromethane	ND	20		µg/L	20	1/22/2019 1:37:37 PM
1,2,3-Trichloropropane	ND	40		µg/L	20	1/22/2019 1:37:37 PM
Vinyl chloride	ND	20		µg/L	20	1/22/2019 1:37:37 PM
Xylenes, Total	18000	750		µg/L	500	1/23/2019 4:07:31 AM
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	20	1/22/2019 1:37:37 PM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	20	1/22/2019 1:37:37 PM
Surr: Dibromofluoromethane	104	70-130		%Rec	20	1/22/2019 1:37:37 PM
Surr: Toluene-d8	93.8	70-130		%Rec	20	1/22/2019 1:37:37 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Trip Blank
Project: TTS and SG Deming
Collection Date:
Lab ID: 1901738-019
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
Benzene	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
Toluene	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
Ethylbenzene	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
Naphthalene	ND	2.0		µg/L	1	1/23/2019 4:36:08 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	1/23/2019 4:36:08 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	1/23/2019 4:36:08 AM
Acetone	ND	10		µg/L	1	1/23/2019 4:36:08 AM
Bromobenzene	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
Bromodichloromethane	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
Bromoform	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
Bromomethane	ND	3.0		µg/L	1	1/23/2019 4:36:08 AM
2-Butanone	ND	10		µg/L	1	1/23/2019 4:36:08 AM
Carbon disulfide	ND	10		µg/L	1	1/23/2019 4:36:08 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
Chlorobenzene	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
Chloroethane	ND	2.0		µg/L	1	1/23/2019 4:36:08 AM
Chloroform	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
Chloromethane	ND	3.0		µg/L	1	1/23/2019 4:36:08 AM
2-Chlorotoluene	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
4-Chlorotoluene	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
cis-1,2-DCE	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/23/2019 4:36:08 AM
Dibromochloromethane	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
Dibromomethane	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	1/23/2019 4:36:08 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: MYC Environmental And Construction L
Client Sample ID: Trip Blank
Project: TTS and SG Deming
Collection Date:
Lab ID: 1901738-019
Matrix: AQUEOUS
Received Date: 1/17/2019 1:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**
1,1-Dichloropropene	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
2-Hexanone	ND	10		µg/L	1	1/23/2019 4:36:08 AM
Isopropylbenzene	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	1/23/2019 4:36:08 AM
Methylene Chloride	ND	3.0		µg/L	1	1/23/2019 4:36:08 AM
n-Butylbenzene	ND	3.0		µg/L	1	1/23/2019 4:36:08 AM
n-Propylbenzene	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
sec-Butylbenzene	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
Styrene	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
tert-Butylbenzene	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/23/2019 4:36:08 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
trans-1,2-DCE	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/23/2019 4:36:08 AM
Vinyl chloride	ND	1.0		µg/L	1	1/23/2019 4:36:08 AM
Xylenes, Total	ND	1.5		µg/L	1	1/23/2019 4:36:08 AM
Surr: 1,2-Dichloroethane-d4	96.7	70-130		%Rec	1	1/23/2019 4:36:08 AM
Surr: 4-Bromofluorobenzene	98.6	70-130		%Rec	1	1/23/2019 4:36:08 AM
Surr: Dibromofluoromethane	98.2	70-130		%Rec	1	1/23/2019 4:36:08 AM
Surr: Toluene-d8	103	70-130		%Rec	1	1/23/2019 4:36:08 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1901738**
25-Jan-19

Client: MYC Environmental And Construction LLC
Project: TTS and SG Deming

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **A57169**	RunNo: **57169**
Prep Date:	Analysis Date: **1/22/2019**	SeqNo: **1912335** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1901738**

25-Jan-19

Client: MYC Environmental And Construction LLC

Project: TTS and SG Deming

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **A57169**	RunNo: **57169**
Prep Date:	Analysis Date: **1/22/2019**	SeqNo: **1912335** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		106	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		103	70	130			
Surr: Dibromofluoromethane	10		10.00		103	70	130			
Surr: Toluene-d8	11		10.00		105	70	130			

Sample ID **100ng lcsb**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **A57169**	RunNo: **57169**
Prep Date:	Analysis Date: **1/22/2019**	SeqNo: **1912336** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	89.4	70	130			
Toluene	20	1.0	20.00	0	97.6	70	130			
Chlorobenzene	19	1.0	20.00	0	97.3	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1901738**

25-Jan-19

Client: MYC Environmental And Construction LLC

Project: TTS and SG Deming

Sample ID **100ng lcsb**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **A57169**	RunNo: **57169**
Prep Date:	Analysis Date: **1/22/2019**	SeqNo: **1912336** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20	1.0	20.00	0	101	70	130			
Trichloroethene (TCE)	17	1.0	20.00	0	85.7	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		102	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		106	70	130			
Surr: Dibromofluoromethane	10		10.00		101	70	130			
Surr: Toluene-d8	10		10.00		105	70	130			

Sample ID **1901738-002a ms**	SampType: **MS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **A-4**	Batch ID: **A57169**	RunNo: **57169**
Prep Date:	Analysis Date: **1/22/2019**	SeqNo: **1912344** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0.2358	88.0	70	130			
Toluene	20	1.0	20.00	0.7748	95.0	70	130			
Chlorobenzene	20	1.0	20.00	0	101	70	130			
1,1-Dichloroethene	18	1.0	20.00	0	91.6	67.6	130			
Trichloroethene (TCE)	17	1.0	20.00	0	82.6	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		101	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	10		10.00		103	70	130			
Surr: Toluene-d8	10		10.00		104	70	130			

Sample ID **1901738-002a msd**	SampType: **MSD**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **A-4**	Batch ID: **A57169**	RunNo: **57169**
Prep Date:	Analysis Date: **1/22/2019**	SeqNo: **1912348** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	17	1.0	20.00	0.2358	82.1	70	130	6.79	20	
Toluene	19	1.0	20.00	0.7748	92.6	70	130	2.41	20	
Chlorobenzene	19	1.0	20.00	0	96.7	70	130	4.00	20	
1,1-Dichloroethene	18	1.0	20.00	0	88.0	67.6	130	3.91	20	
Trichloroethene (TCE)	15	1.0	20.00	0	75.2	70	130	9.32	20	
Surr: 1,2-Dichloroethane-d4	9.8		10.00		98.2	70	130	0	0	
Surr: 4-Bromofluorobenzene	10		10.00		104	70	130	0	0	
Surr: Dibromofluoromethane	9.9		10.00		98.6	70	130	0	0	
Surr: Toluene-d8	11		10.00		106	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1901738**

25-Jan-19

Client: MYC Environmental And Construction LLC

Project: TTS and SG Deming

Sample ID **rb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **B57169**	RunNo: **57169**
Prep Date:	Analysis Date: **1/22/2019**	SeqNo: **1912409** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	10		10.00		103	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	10		10.00		101	70	130			
Surr: Toluene-d8	11		10.00		108	70	130			

Sample ID **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **B57169**	RunNo: **57169**
Prep Date:	Analysis Date: **1/22/2019**	SeqNo: **1912410** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	10		10.00		101	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		99.3	70	130			
Surr: Dibromofluoromethane	10		10.00		101	70	130			
Surr: Toluene-d8	10		10.00		104	70	130			

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **B57208**	RunNo: **57208**
Prep Date:	Analysis Date: **1/23/2019**	SeqNo: **1913552** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1901738**

25-Jan-19

Client: MYC Environmental And Construction LLC

Project: TTS and SG Deming

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **B57208**	RunNo: **57208**
Prep Date:	Analysis Date: **1/23/2019**	SeqNo: **1913552** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1901738**

25-Jan-19

Client: MYC Environmental And Construction LLC

Project: TTS and SG Deming

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **B57208**	RunNo: **57208**
Prep Date:	Analysis Date: **1/23/2019**	SeqNo: **1913552** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Surr: 1,2-Dichloroethane-d4	10		10.00		105	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		99.0	70	130			
Surr: Dibromofluoromethane	10		10.00		101	70	130			
Surr: Toluene-d8	10		10.00		104	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **B57208**	RunNo: **57208**
Prep Date:	Analysis Date: **1/23/2019**	SeqNo: **1913553** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	16	1.0	20.00	0	81.5	70	130			
Chlorobenzene	20	1.0	20.00	0	97.5	70	130			
1,1-Dichloroethene	18	1.0	20.00	0	91.1	70	130			
Trichloroethene (TCE)	16	1.0	20.00	0	79.7	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		102	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		99.4	70	130			
Surr: Dibromofluoromethane	10		10.00		102	70	130			
Surr: Toluene-d8	11		10.00		106	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: MYC ENVIRONMENTAL Work Order Number: 1901738 RcptNo: 1

Received By: Desiree Dominguez 1/17/2019 1:25:00 PM

Completed By: Anne Thorne 1/18/2019 9:23:56 AM

Reviewed By: SO 1/18/19

Labeled by: VVZ 1/18/19

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Client		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
10. Were any sample containers received broken?	Yes ☐	No ☑	VVZ 1/18/19
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by:

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.8	Good	Not Present			

Chain-of-Custody Record

Client: NTC Environmental & Construction, LLC.

Mailing Address: 5400 Vista Ave SW A16 NM 87105

Phone #: 505 818 0806

email or Fax#: kris@mycenviro.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name: TIS & SG Deming

Project #:

Project Manager: Jeff Cotter

Sampler: Kris Sharma

On Ice: ☑ Yes ☐ No

Sample Temperature: 3.4°C - 0.6 = 2.8°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1901738	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA) PBMS	8270 (Semi-VOA)	Air Bubbles (Y or N)
01/15/19	9:10	Air	SMA-9	VOA	HCL	001										X		
01/15/19	10:31		A-4	VOA	HCL	002										X		
01/15/19	11:55		A-6	VOA	HCL	003										X		
01/15/19	13:18		A-5	VOA	HCL	004										X		
01/15/19	14:33		SMA1	VOA	HCL	005										X		
01/15/19	15:34		A-7	VOA	HCL	006										X		
01/15/19	16:37		A-8	VOA	HCL	007										X		
01/15/19	17:19		BTMW-13	VOA	HCL	008										X		
01/16/19	9:08		BTMW-8	VOA	HCL	009										X		
01/16/19	9:30		SMA-2	VOA	HCL	010										X		
01/16/19	10:04		A-2	VOA	HCL	011										X		
01/16/19	10:59	↓	BTMW-5	VOA	HCL	012										X		

Date	Time	Relinquished by	Received by	Date	Time
1/17/19	13:25	Kris Sharma	CDC	1/17/19	13:25

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: MYC Environmental & Construction, LLC

Mailing Address: 5700 Vierra Ave SW

ABQ NM 87105

Phone #: 505 918 0806

email or Fax#: kris@mycenviro.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:

☑ Standard ☐ Rush _____

Project Name: TTS & SG Dairy

Project #:

Project Manager: Jeff Cotter

Sampler: Kris Sharma

On Ice: ☑ Yes ☐ No

Sample Temperature: 3.4°C - 0.6 = 2.8°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1901738	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA) PBMS	8270 (Semi-VOA)	Air Bubbles (Y or N)
01/16/19	10:21	A	SMA-7	VOA	HCL	013										X		
01/16/19	11:35		BTMW-2	VOA	HCL	014										X		
01/16/19	11:53		BTMW-1	VOA	HCL	015										X		
01/16/19	12:40		BTMW-9	VOA	HCL	016										X		
01/16/19	13:45		BTMW-10	VOA	HCL	017										X		
01/16/19	15:06		A-1	VOA	HCL	019										X		
			Trip Blank			020										X		
			~~A 01/17/19~~															

Date	Time	Relinquished by:	Received by:	Date	Time
1/17/19	13:25	Kris Sharma	CDO	1/17/19	13:25
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

RECEIVED
By PSTB at 11:28 am, May 11, 2023

May 10, 2023

Groundwater Monitoring Report

SunMart # 677
1216 W. Pine Street,
Deming, New Mexico

Submitted To:

Petroleum Wholesale, L.P.
P.O. Box 4456
Houston, TX 77210
&

New Mexico Environment Department
Petroleum Storage Tank Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505

Submitted By:

WSP Earth & Environmental, Inc.
4221 Balloon Park Road NE
Albuquerque, New Mexico 87109

May 10, 2023

Mr. Tim Noger, Geoscience Supervisor
New Mexico Environment Department
Petroleum Storage Tank Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6313

RE: Groundwater Monitoring Report
SunMart #677
1216 W. Pine Street
Deming, New Mexico

Deliverable IDs #: 19259-1 **Release ID#: 4784** **Facility #: 27343**

Dear Mr. Noger:

In accordance with New Mexico Environment Department-Petroleum Storage Tank Bureau (NMED) approved work plan #19259 for SunMart 677, WSP Earth & Environmental, Inc. (WSP) submits this groundwater monitoring report, NMED deliverable #19259-1. The work plan was approved in a letter dated February 24, 2023.

WSP plans to file a corrective action fund claim in the amount of $3,615.28. This amount represents a reduction in scope from the approved amount of $8,257.83 due to the monitoring wells being dry and no groundwater samples being collected.

Please do not hesitate to contact me at (505) 821-1801 if you have any questions concerning this report.

Best Regards,

Jeff Cotter
Project Manager

Eric Koenig, PG
Senior Geologist

Copies: Mr. Chris Smith, Petroleum Wholesale

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2.1 Groundwater Monitoring Activities & Analytical Summary 2
3.0 Conclusions and Recommendations 3

LIST OF FIGURES

Figure 1 Site Map

LIST OF APPENDICES

Appendix A Laboratory Analytical Report

1.0 Introduction

On behalf of Petroleum Wholesale, L.P. (PW), WSP Earth & Environmental, Inc. (WSP) has provided professional environmental services at the SunMart # 677 site located at 1216 W. Pine Street in Deming, New Mexico. The photos below were taken during the April 13, 2023 groundwater monitoring event. This report describes the activities and results April 13, 2023 groundwater monitoring event. Figure 1 shows the site and monitoring well network.

2.0 Background

SunMart # 677 site is a former motor fueling station and convenience store. The fueling station and store are permanently closed. Four underground storage tanks (UST) were operated at the site and have been removed. Based on groundwater monitoring information from nearby sites submitted to the New Mexico Environment Department-Petroleum Storage Tank Bureau (NMED), the SunMart # 677 site is a suspected motor fuel release site. In a letter dated July 10, 2019, NMED notified PW, the petroleum storage tank owner/operator, that the property is a suspected petroleum hydrocarbon release site and requested a site check.

WSP submitted a site check work plan on August 6, 2019. NMED approved the site check work plan on August 14, 2019. On October 15, 2019 WSP performed site check activities. These activities included advancing ten (10) soil borings via direct push (Geoprobe®) drilling with continuous core sampling at locations near the fuel dispensers and in close

proximity to the underground storage tanks (UST) pit. Soil sampling analytical results showed detectable quantities of petroleum hydrocarbon compounds in a soil sample collected at 20 feet below surface near the fuel dispenser located in the southwest corner of the fuel island canopy.

The NMED confirmed a fuel release (Release ID# 4784) on November 4, 2019. In a letter dated November 18, 2019, NMED issued a request for a minimum site assessment (MSA) to characterize the extent and magnitude of the contamination from a subsurface petroleum hydrocarbon release. WSP submitted an MSA work plan on March 19, 2020. The NMED approved the work plan in a letter dated June 22, 2021, however due to delays related to the COVID-19 pandemic a change order request was submitted on October 11, 2021. The change order request was approved by NMED on November 10, 2021. After additional delays due to drilling contractor availability, MSA field work began on January 17, 2022. WSP performed the MSA, which included advancing five soil boring within the site boundaries. These soil borings were completed as monitoring wells. During the advancement of the borings soil samples were collected for analysis of petroleum hydrocarbon constituents. Following completion and development of the monitoring wells, a groundwater monitoring event was performed on March 11, 2022 however, the monitoring wells were found to be dry and no samples were collected. WSP submitted a work plan for a groundwater monitoring event on May 19, 2022. This work plan was approved by NMED in a letter dated February 24, 2023.

2.1 Groundwater Monitoring Activities & Analytical Summary

Groundwater monitoring activities were performed on April 13, 2023. Groundwater monitoring consisted of measuring the depth to non-aqueous phase liquid (NAPL) and groundwater in the monitoring wells and collecting groundwater samples. The table below presents the groundwater gauging results. Monitoring well A-1 was not installed for groundwater monitoring purposes at SunMart 677. A-1 was installed as part of the monitoring well network for the Save Gas #3 and Triangle Truck Stop sites located across 12th Street, directly west of the SunMart 677 site (Figure 1). Due to the location of A-1, directly south of the SunMart 677, it was sampled in conjunction with this monitoring event.

SunMart 677 Groundwater Gauging Results
April 13, 2023

Well ID	Depth to NAPL	Depth to Water	Total Depth
MW-1	Not Detected	Dry	110.5
MW-2	Not Detected	Dry	125.5
MW-3	Not Detected	Dry	125.5
MW-4	Not Detected	Dry	120.5
MW-5	Not Detected	Dry	120.5
A-1	Not Detected	88.92	120.9

NAPL was not detected in any of the monitoring wells. All five monitoring wells installed as part of the January 2022 minimum site assessment for SunMart 677 were found to be dry and no samples were collected. Monitoring well A-1 was sampled.

Groundwater from A-1 was monitored in the field for pH, temperature, dissolved oxygen (DO), oxidation-reduction potential (ORP), and specific conductivity. Field screening results for A-1 are summarized in the table below. Prior to sample collection, three volumes of water in the well casing were purged using a clean disposable bailer and nylon cord. Purged groundwater was discharged to a nearby impervious surface.

SunMart 677 Field Screening Summary
April 13, 2023

Well ID	pH (SU)	Temperature (◦C)	Dissolved Oxygen (mg/L)	ORP (mV)	Specific Conductivity (µS/cm)
A-1	6.79	20.5	2.23	-141	1754

The groundwater sample collected from A-1 was submitted to Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico, for volatile organic compounds (VOC) analysis using United States Environmental Protection Agency (EPA) Method 8260 and EPA Method 504.1 for 1,2-Dibromoethane (EDB) The laboratory results from HEAL are provided in Appendix A. Select analytical results for petroleum hydrocarbons are summarized in the table below.

SunMart 677 Analytical Results Summary
April 13, 2023

Well ID	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	Total Naphthalenes
A-1	6700	15000	2500	17000	<100	<40	430
NMWQCC Standard (µg/L)	5	1000	700	620	0.05	5	30

Notes: Concentrations reported in microgram per liter (µg/L), Total Naphthalenes = sum of Napthalene+ 1-methylnaphthalene and 2-methylnaphthalene. Analytical results reported in µg/L or parts per billion (ppb).

3.0 Conclusions and Recommendations

Based on the field data collected and the groundwater analytical results for monitoring well A-1, the following conclusions are presented:

- The five monitoring wells installed as part of the minimum site assessment in January 2022 were found to be dry. This may be a result of water table drawdown from a nearby municipal well.

- Monitoring well A-1, located just south of the former SunMart 677 building was sampled. The sample collected from A-1 contained various concentrations of petroleum hydrocarbon compounds. These concentrations exceeded New Mexico Water Quality Control Commission (NMWQCC) standards for benzene, toluene, ethylbenzene, total xylenes and total naphthalenes.

Based on the conclusions and discussion provided above, the following recommendations are presented.

- The five monitoring wells at the SunMart 677 site should be monitored for changes in groundwater level, as the site area water is known to dramatically fluctuate.

- Installing deeper monitoring wells should be considered.

FIGURES

Figure 1- Site Map

F:\WOOD\PROJECTS\DRAFTING\2021\21517000030_SunMart 677 Deming\2151700030_Figure 1.dwg

CLIENT:

NM Environment Department
Petroleum Storage Tank Bureau

wood.

Environment and Infrastructure, Inc.
8519 Jefferson, N.E.
Albuquerque, NM 87113

LEGEND

MONITORING WELL LOCATION

MW-X MONITORING WELL ID

TOC TOP OF CASING

DWN BY:	JT
CHK'D BY:	JC
DATUM:	N/A
PROJECTION:	N/A
SCALE:	AS SHOWN

PROJECT:

SUN MART 677
DEMING, NM.

TITLE:

Site Map

REV. NO.:	
DATE:	03.28.2022
PROJECT NO:	2151700030
TASK ORDER NO:	
SUB-CONTRACT NO:	
FIGURE NO:	1

APPENDIX A

Laboratory Analytical Report

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

April 26, 2023

Jeff Cotter
WSP
4221 Balloon Park
Albuquerque, NM 87109
TEL: (505) 821-1801
FAX:

RE: Sun Mart 677 OrderNo.: 2304703

Dear Jeff Cotter:

Hall Environmental Analysis Laboratory received 2 sample(s) on 4/17/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP
Client Sample ID: A-1
Project: Sun Mart 677
Collection Date: 4/13/2023 9:50:00 AM
Lab ID: 2304703-001
Matrix: AQUEOUS
Received Date: 4/17/2023 12:23:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8011/504.1: EDB						Analyst: **JME**
1,2-Dibromoethane	ND	0.095		µg/L	1	4/21/2023 1:28:56 PM
EPA METHOD 8260B: VOLATILES						Analyst: **JR**
Benzene	6700	100	D	µg/L	100	4/21/2023 12:54:21 PM
Toluene	15000	1000		µg/L	1000	4/24/2023 8:10:31 PM
Ethylbenzene	2500	100	D	µg/L	100	4/21/2023 12:54:21 PM
Methyl tert-butyl ether (MTBE)	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
1,2,4-Trimethylbenzene	2500	100	D	µg/L	100	4/21/2023 12:54:21 PM
1,3,5-Trimethylbenzene	670	100	D	µg/L	100	4/21/2023 12:54:21 PM
1,2-Dichloroethane (EDC)	ND	40	D	µg/L	100	4/21/2023 12:54:21 PM
1,2-Dibromoethane (EDB)	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
Naphthalene	430	200	D	µg/L	100	4/21/2023 12:54:21 PM
1-Methylnaphthalene	ND	400	D	µg/L	100	4/21/2023 12:54:21 PM
2-Methylnaphthalene	ND	400	D	µg/L	100	4/21/2023 12:54:21 PM
Acetone	ND	1000	D	µg/L	100	4/21/2023 12:54:21 PM
Bromobenzene	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
Bromodichloromethane	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
Bromoform	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
Bromomethane	ND	300	D	µg/L	100	4/21/2023 12:54:21 PM
2-Butanone	ND	1000	D	µg/L	100	4/21/2023 12:54:21 PM
Carbon disulfide	ND	1000	D	µg/L	100	4/21/2023 12:54:21 PM
Carbon Tetrachloride	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
Chlorobenzene	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
Chloroethane	ND	200	D	µg/L	100	4/21/2023 12:54:21 PM
Chloroform	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
Chloromethane	ND	300	D	µg/L	100	4/21/2023 12:54:21 PM
2-Chlorotoluene	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
4-Chlorotoluene	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
cis-1,2-DCE	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
cis-1,3-Dichloropropene	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
1,2-Dibromo-3-chloropropane	ND	200	D	µg/L	100	4/21/2023 12:54:21 PM
Dibromochloromethane	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
Dibromomethane	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
1,2-Dichlorobenzene	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
1,3-Dichlorobenzene	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
1,4-Dichlorobenzene	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
Dichlorodifluoromethane	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
1,1-Dichloroethane	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
1,1-Dichloroethene	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
1,2-Dichloropropane	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP
Client Sample ID: A-1
Project: Sun Mart 677
Collection Date: 4/13/2023 9:50:00 AM
Lab ID: 2304703-001
Matrix: AQUEOUS
Received Date: 4/17/2023 12:23:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JR**
1,3-Dichloropropane	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
2,2-Dichloropropane	ND	200	D	µg/L	100	4/21/2023 12:54:21 PM
1,1-Dichloropropene	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
Hexachlorobutadiene	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
2-Hexanone	ND	1000	D	µg/L	100	4/21/2023 12:54:21 PM
Isopropylbenzene	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
4-Isopropyltoluene	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
4-Methyl-2-pentanone	ND	1000	D	µg/L	100	4/21/2023 12:54:21 PM
Methylene Chloride	ND	300	D	µg/L	100	4/21/2023 12:54:21 PM
n-Butylbenzene	ND	300	D	µg/L	100	4/21/2023 12:54:21 PM
n-Propylbenzene	210	100	D	µg/L	100	4/21/2023 12:54:21 PM
sec-Butylbenzene	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
Styrene	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
tert-Butylbenzene	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
1,1,1,2-Tetrachloroethane	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
1,1,2,2-Tetrachloroethane	ND	200	D	µg/L	100	4/21/2023 12:54:21 PM
Tetrachloroethene (PCE)	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
trans-1,2-DCE	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
trans-1,3-Dichloropropene	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
1,2,3-Trichlorobenzene	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
1,2,4-Trichlorobenzene	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
1,1,1-Trichloroethane	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
1,1,2-Trichloroethane	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
Trichloroethene (TCE)	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
Trichlorofluoromethane	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
1,2,3-Trichloropropane	ND	200	D	µg/L	100	4/21/2023 12:54:21 PM
Vinyl chloride	ND	100	D	µg/L	100	4/21/2023 12:54:21 PM
Xylenes, Total	17000	150	D	µg/L	100	4/21/2023 12:54:21 PM
Surr: 1,2-Dichloroethane-d4	93.3	70-130	D	%Rec	100	4/21/2023 12:54:21 PM
Surr: 4-Bromofluorobenzene	99.6	70-130	D	%Rec	100	4/21/2023 12:54:21 PM
Surr: Dibromofluoromethane	108	70-130	D	%Rec	100	4/21/2023 12:54:21 PM
Surr: Toluene-d8	96.6	70-130	D	%Rec	100	4/21/2023 12:54:21 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
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ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP
Client Sample ID: Trip Blank
Project: Sun Mart 677
Collection Date:
Lab ID: 2304703-002
Matrix: TRIP BLANK
Received Date: 4/17/2023 12:23:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8011/504.1: EDB						Analyst: **JME**
1,2-Dibromoethane	ND	0.094		µg/L	1	4/21/2023 1:43:54 PM
EPA METHOD 8260B: VOLATILES						Analyst: **JR**
Benzene	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
Toluene	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
Ethylbenzene	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
Naphthalene	ND	2.0		µg/L	1	4/21/2023 12:24:45 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/21/2023 12:24:45 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/21/2023 12:24:45 PM
Acetone	ND	10		µg/L	1	4/21/2023 12:24:45 PM
Bromobenzene	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
Bromodichloromethane	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
Bromoform	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
Bromomethane	ND	3.0		µg/L	1	4/21/2023 12:24:45 PM
2-Butanone	ND	10		µg/L	1	4/21/2023 12:24:45 PM
Carbon disulfide	ND	10		µg/L	1	4/21/2023 12:24:45 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
Chlorobenzene	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
Chloroethane	ND	2.0		µg/L	1	4/21/2023 12:24:45 PM
Chloroform	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
Chloromethane	ND	3.0		µg/L	1	4/21/2023 12:24:45 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/21/2023 12:24:45 PM
Dibromochloromethane	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
Dibromomethane	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP
Client Sample ID: Trip Blank
Project: Sun Mart 677
Collection Date:
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Matrix: TRIP BLANK
Received Date: 4/17/2023 12:23:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JR**
1,3-Dichloropropane	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/21/2023 12:24:45 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
2-Hexanone	ND	10		µg/L	1	4/21/2023 12:24:45 PM
Isopropylbenzene	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/21/2023 12:24:45 PM
Methylene Chloride	ND	3.0		µg/L	1	4/21/2023 12:24:45 PM
n-Butylbenzene	ND	3.0		µg/L	1	4/21/2023 12:24:45 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
Styrene	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/21/2023 12:24:45 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/21/2023 12:24:45 PM
Vinyl chloride	ND	1.0		µg/L	1	4/21/2023 12:24:45 PM
Xylenes, Total	ND	1.5		µg/L	1	4/21/2023 12:24:45 PM
Surr: 1,2-Dichloroethane-d4	97.0	70-130		%Rec	1	4/21/2023 12:24:45 PM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	4/21/2023 12:24:45 PM
Surr: Dibromofluoromethane	108	70-130		%Rec	1	4/21/2023 12:24:45 PM
Surr: Toluene-d8	95.0	70-130		%Rec	1	4/21/2023 12:24:45 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2304703**

26-Apr-23

Client: WSP

Project: Sun Mart 677

Sample ID: **MB-74386**	SampType: **MBLK**	TestCode: **EPA Method 8011/504.1: EDB**
Client ID: **PBW**	Batch ID: **74386**	RunNo: **96242**
Prep Date: **4/21/2023**	Analysis Date: **4/21/2023**	SeqNo: **3484931** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	0.010								

Sample ID: **MB-74386**	SampType: **MBLK**	TestCode: **EPA Method 8011/504.1: EDB**
Client ID: **PBW**	Batch ID: **74386**	RunNo: **96242**
Prep Date: **4/21/2023**	Analysis Date: **4/21/2023**	SeqNo: **3484932** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	0.010								

Sample ID: **LCS-74386**	SampType: **LCS**	TestCode: **EPA Method 8011/504.1: EDB**
Client ID: **LCSW**	Batch ID: **74386**	RunNo: **96242**
Prep Date: **4/21/2023**	Analysis Date: **4/21/2023**	SeqNo: **3484933** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.085	0.010	0.1000	0	85.4	70	130			

Sample ID: **LCS-74386**	SampType: **LCS**	TestCode: **EPA Method 8011/504.1: EDB**
Client ID: **LCSW**	Batch ID: **74386**	RunNo: **96242**
Prep Date: **4/21/2023**	Analysis Date: **4/21/2023**	SeqNo: **3484937** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.082	0.010	0.1000	0	82.4	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2304703**

26-Apr-23

Client: WSP

Project: Sun Mart 677

Sample ID: **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **B96198**	RunNo: **96198**
Prep Date:	Analysis Date: **4/20/2023**	SeqNo: **3483086** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	9.9		10.00		99.5	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		97.9	70	130			
Surr: Dibromofluoromethane	11		10.00		114	70	130			
Surr: Toluene-d8	9.3		10.00		93.0	70	130			

Sample ID: **mb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **B96198**	RunNo: **96198**
Prep Date:	Analysis Date: **4/20/2023**	SeqNo: **3483124** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	9.5		10.00		95.0	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		103	70	130			
Surr: Dibromofluoromethane	11		10.00		110	70	130			
Surr: Toluene-d8	9.4		10.00		93.5	70	130			

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R96219**	RunNo: **96219**
Prep Date:	Analysis Date: **4/21/2023**	SeqNo: **3484967** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	109	70	130			
Toluene	21	1.0	20.00	0	104	70	130			
Chlorobenzene	21	1.0	20.00	0	106	70	130			
1,1-Dichloroethene	18	1.0	20.00	0	90.1	70	130			
Trichloroethene (TCE)	21	1.0	20.00	0	103	70	130			
Surr: 1,2-Dichloroethane-d4	9.8		10.00		98.5	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		98.8	70	130			
Surr: Dibromofluoromethane	11		10.00		109	70	130			
Surr: Toluene-d8	9.4		10.00		94.1	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R96219**	RunNo: **96219**
Prep Date:	Analysis Date: **4/21/2023**	SeqNo: **3484998** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2304703**

26-Apr-23

Client: WSP

Project: Sun Mart 677

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R96219**	RunNo: **96219**
Prep Date:	Analysis Date: **4/21/2023**	SeqNo: **3484998** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2304703**

26-Apr-23

Client: WSP

Project: Sun Mart 677

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R96219**	RunNo: **96219**
Prep Date:	Analysis Date: **4/21/2023**	SeqNo: **3484998** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.5		10.00		94.7	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		100	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	9.6		10.00		96.3	70	130			

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R96270**	RunNo: **96270**
Prep Date:	Analysis Date: **4/24/2023**	SeqNo: **3486173** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene	19	1.0	20.00	0	94.6	70	130			
Surr: 1,2-Dichloroethane-d4	9.4		10.00		93.6	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	11		10.00		108	70	130			
Surr: Toluene-d8	9.6		10.00		96.0	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2304703**

26-Apr-23

Client: WSP

Project: Sun Mart 677

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R96270**	RunNo: **96270**
Prep Date:	Analysis Date: **4/24/2023**	SeqNo: **3486201** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene	ND	1.0								
Surr: 1,2-Dichloroethane-d4	9.4		10.00		94.3	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		103	70	130			
Surr: Dibromofluoromethane	11		10.00		113	70	130			
Surr: Toluene-d8	9.5		10.00		95.3	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: WSP | Work Order Number: 2304703 | RcptNo: 1

Received By: **Kasandra Jimena Garcia** 4/17/2023 12:23:00 PM

Completed By: **Joseph Alderette** 4/17/2023 3:41:35 PM

Reviewed By: KPG 4-17-23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Client		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☐	No ☑	NA ☐
	Approved by client.		
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____ 4/17/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	8.6	Good	Not Present	morty		

Chain-of-Custody Record

Client: WSP

Mailing Address: 4221 Balloon Park RD Albuquerque, NM 87109

Phone #: 505-821-1801

email or Fax#: Jeff.Cotter@WSP.com

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: SunMart 677

Project #: 23-517 00012

Project Manager: Jeff Cotter

Sampler: Monty

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(Including CF): 8.8-0.2=8.6 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2304703	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
4-13-23	0950	H_2O	A-1	5-VOA	HCL	001				X				X		
			TRIP BLANK			002										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
4-17-23	1222	Jeff Cotter		ORD	4.17.23	12:23
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Temp IS OK - YC

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.