

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: BP America Production Co.	OGRID: 778	Subsequent Report: SVE
Contact Name: Steve Moskal	Contact Telephone: (505) 330-9179	
Contact email: steven.moskal@bpx.com	Incident # (assigned by OCD)	nVF1714348687
Contact mailing address: 1199 Main Street, Suite 101, Durango, CO 81301		

Location of Release Source

Latitude: 36.918572° Longitude: -107.972167°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Mudge A 002	Site Type: Natural Gas Production Well Pad
Date Release Discovered: April 25, 2017	API#: 30-045-10948

Unit Letter	Section	Township	Range	County
A	10	T31N	R11W	San Juan

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls):	Volume Recovered (bbls):
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls): Unknown	Volume Recovered (bbls):
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:

On February 12, 2018 BP proposed operation of a SVE system to complete site remediation of soil impacts using the previously installed SVE points. This plan was approved by NMOCD on February 16, 2018. After receiving an electric drop/meter from the City of Farmington, the SVE system was placed into initial operation on June 6, 2018. After initial individual testing on each of the SVE points, gas samples were collected on June 12, 2018 from both BH-2 and BH-3. Subsequent field emission testing on each of the SVE points has indicated that BH-2 appears to extract the greatest VOC's and this has remained the primary extraction point for the system. The attached report document site inspections, field observations, mass removal calculations and laboratory reports.

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: The released water absorbed into the ground surface.	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: _____	Title: _____
Signature: _____	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: _____	Date: _____

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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>304</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)
- ☒ Continued Remediation operation and performance data

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Steve Moskal Title: Environmental Coordinator

Signature:  Date: August 12, 2019

email: steven.moskal@bpx.com Telephone: 505-330-9179

OCD Only

Received by: OCD Date: 8/13/19

☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature:  Date: 8/19/19

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

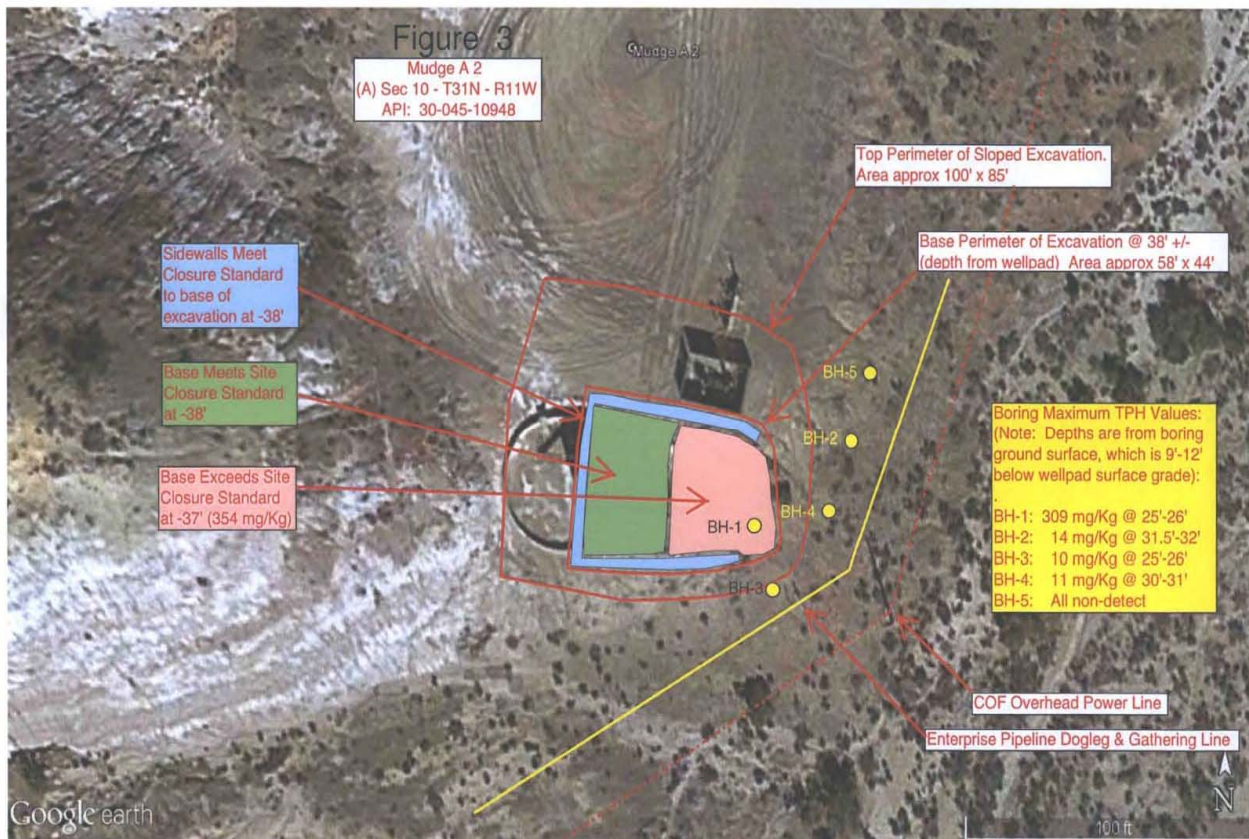
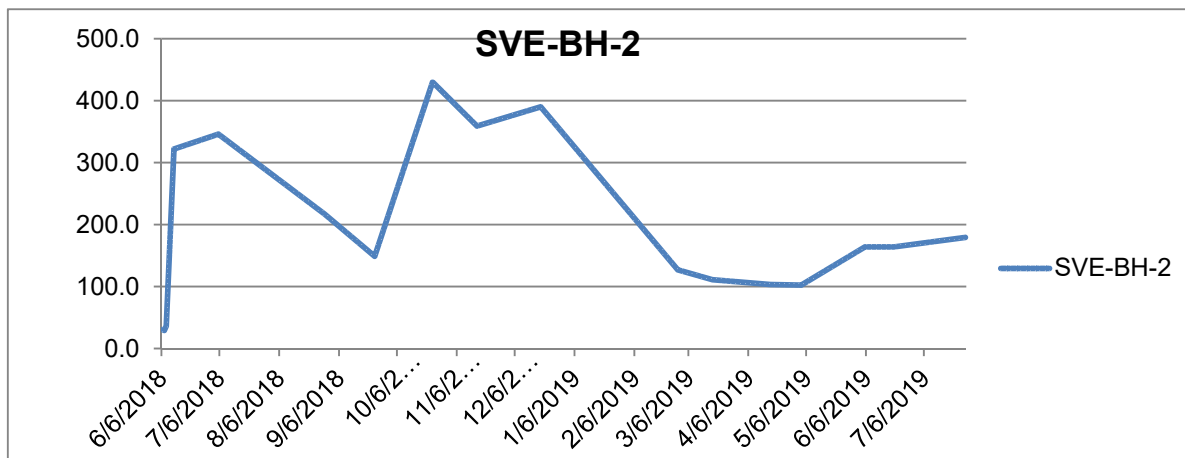
Printed Name: _____ Title: _____

BP America - Mudge A 002

Summary SVE System Monitoring Data

Date	SVE Pt.	Exhaust OVM (ppm)	Exhaust Vacuum (in)	Exhaust Rate (cfm)	System Operational at Time of Arrival?	H ₂ O Drained from drum?	H ₂ O Amt. Drained (Gal.)?	Comments
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6/6/2018	BH-1	26.2	48	NA	YES	NO	NA	Very little air flow from blow exhaust felt physically
6/7/2018	BH-1	1.3	47	50	YES	NO	NA	Same as above (SAA)
6/6/2018	BH-2	30.5	52	NA	YES	NO	NA	SAA
6/7/2018	BH-2	29.2	46	60	YES	NO	NA	SAA
6/6/2018	BH-3	19.3	51	60	YES	NO	NA	SAA
6/7/2018	BH-3	20.5	46	50	YES	NO	NA	SAA
6/6/2018	BH-4	15.3	56	NA	YES	NO	NA	SAA
6/7/2018	BH-4	5.3	46	50	YES	NO	NA	SAA
6/8/2018	BH-2	36.3	46	50	YES	NO	NA	SAA
6/11/2018	BH-3	30.0	46	50	YES	NO	NA	SAA
6/12/2018	BH-2	322	47	50	YES	NO	NA	SAA, collected air sample (BH-2)
6/13/2018	BH-3	179	47	50	YES	NO	NA	Dry drum, SAA (BH-3)
6/19/2018	BH-1	5.8	48	50	YES	NO	NA	SAA
6/27/2018	BH-3	86.4	48	50	YES	NO	NA	SAA
7/5/2018	BH-2	346	48	60	YES	NO	NA	SAA
7/13/2018	BH-4	65.1	48	60	YES	NO	NA	SAA
7/19/2018	BH-1	5.2	48	50	YES	NO	NA	SAA
8/29/2018	BH-2	217	48	50	YES	NO	NA	SAA
9/24/2018	BH-2	148.8	48	50	YES	NO	NA	SAA
10/24/2018	BH-2	430	48	50	YES	NO	NA	SAA
11/16/2018	BH-2	359	48	50	YES	NO	NA	SAA
12/19/2018	BH-2	390	50	50	YES	NO	NA	SAA
1/11/2019	BH-2	305	50	NA	YES	NO	NA	SAA
2/28/2019	BH-2	127	50	50	YES	NO	NA	Water in drum below drain plug
3/18/2019	BH-2	111	50	50	YES	NO	NA	SAA
4/17/2019	BH-2	103.3	48	50	YES	NO	NA	SAA
5/3/2019	BH-2	102.3	50	50	YES	NO	NA	SAA
6/5/2019	BH-2	164	49	50	YES	NO	NA	SAA
6/20/2019	BH-2	164	48	48	YES	NO	NA	Dry drum, collected air sample (BH-2)
7/27/2019	BH-2	179.3	49	50	YES	NO	NA	Dry drum





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

June 28, 2019

Steve Moskal
Blagg Engineering
P. O. Box 87
Bloomfield, NM 87413
TEL: (505) 632-1199
FAX: (505) 632-3903

RE: MUDGE A 2

OrderNo.: 1906B64

Dear Steve Moskal:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/21/2019 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1906B64**

Date Reported: **6/28/2019**

CLIENT: Blagg Engineering

Client Sample ID: SVE (BH-2)

Project: MUDGE A 2

Collection Date: 6/20/2019 11:00:00 AM

Lab ID: 1906B64-001

Matrix: AIR

Received Date: 6/21/2019 8:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: DJF
Benzene	15	1.0		µg/L	10	6/26/2019 1:36:58 PM	W60973
Toluene	6.5	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
Ethylbenzene	2.5	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
Methyl tert-butyl ether (MTBE)	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
1,2,4-Trimethylbenzene	0.48	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
1,3,5-Trimethylbenzene	0.83	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
1,2-Dichloroethane (EDC)	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
1,2-Dibromoethane (EDB)	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
Naphthalene	ND	0.20		µg/L	1	6/26/2019 12:37:56 PM	W60973
1-Methylnaphthalene	ND	0.40		µg/L	1	6/26/2019 12:37:56 PM	W60973
2-Methylnaphthalene	ND	0.40		µg/L	1	6/26/2019 12:37:56 PM	W60973
Acetone	ND	1.0		µg/L	1	6/26/2019 12:37:56 PM	W60973
Bromobenzene	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
Bromodichloromethane	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
Bromoform	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
Bromomethane	ND	0.20		µg/L	1	6/26/2019 12:37:56 PM	W60973
2-Butanone	ND	1.0		µg/L	1	6/26/2019 12:37:56 PM	W60973
Carbon disulfide	ND	1.0		µg/L	1	6/26/2019 12:37:56 PM	W60973
Carbon tetrachloride	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
Chlorobenzene	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
Chloroethane	ND	0.20		µg/L	1	6/26/2019 12:37:56 PM	W60973
Chloroform	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
Chloromethane	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
2-Chlorotoluene	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
4-Chlorotoluene	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
cis-1,2-DCE	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
cis-1,3-Dichloropropene	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
1,2-Dibromo-3-chloropropane	ND	0.20		µg/L	1	6/26/2019 12:37:56 PM	W60973
Dibromochloromethane	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
Dibromomethane	ND	0.20		µg/L	1	6/26/2019 12:37:56 PM	W60973
1,2-Dichlorobenzene	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
1,3-Dichlorobenzene	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
1,4-Dichlorobenzene	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
Dichlorodifluoromethane	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
1,1-Dichloroethane	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
1,1-Dichloroethene	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
1,2-Dichloropropane	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
1,3-Dichloropropane	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
2,2-Dichloropropane	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1906B64**

Date Reported: **6/28/2019**

CLIENT: Blagg Engineering

Client Sample ID: SVE (BH-2)

Project: MUDGE A 2

Collection Date: 6/20/2019 11:00:00 AM

Lab ID: 1906B64-001

Matrix: AIR

Received Date: 6/21/2019 8:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: DJF
1,1-Dichloropropene	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
Hexachlorobutadiene	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
2-Hexanone	ND	1.0		µg/L	1	6/26/2019 12:37:56 PM	W60973
Isopropylbenzene	0.36	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
4-Isopropyltoluene	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
4-Methyl-2-pentanone	ND	1.0		µg/L	1	6/26/2019 12:37:56 PM	W60973
Methylene chloride	ND	0.30		µg/L	1	6/26/2019 12:37:56 PM	W60973
n-Butylbenzene	ND	0.30		µg/L	1	6/26/2019 12:37:56 PM	W60973
n-Propylbenzene	0.24	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
sec-Butylbenzene	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
Styrene	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
tert-Butylbenzene	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
1,1,1,2-Tetrachloroethane	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
1,1,2,2-Tetrachloroethane	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
Tetrachloroethene (PCE)	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
trans-1,2-DCE	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
trans-1,3-Dichloropropene	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
1,2,3-Trichlorobenzene	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
1,2,4-Trichlorobenzene	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
1,1,1-Trichloroethane	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
1,1,2-Trichloroethane	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
Trichloroethene (TCE)	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
Trichlorofluoromethane	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
1,2,3-Trichloropropane	ND	0.20		µg/L	1	6/26/2019 12:37:56 PM	W60973
Vinyl chloride	ND	0.10		µg/L	1	6/26/2019 12:37:56 PM	W60973
Xylenes, Total	18	0.15		µg/L	1	6/26/2019 12:37:56 PM	W60973
Surr: Dibromofluoromethane	73.9	70-130		%Rec	1	6/26/2019 12:37:56 PM	W60973
Surr: 1,2-Dichloroethane-d4	84.9	70-130		%Rec	1	6/26/2019 12:37:56 PM	W60973
Surr: Toluene-d8	122	70-130		%Rec	1	6/26/2019 12:37:56 PM	W60973
Surr: 4-Bromofluorobenzene	99.2	70-130		%Rec	1	6/26/2019 12:37:56 PM	W60973

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Sample Log-In Check List

Client Name: **BLAGG**

Work Order Number: **1906B64**

RcptNo: **1**

Received By: **Anne Thorne**

6/21/2019 8:18:00 AM

Anne Thorne

Completed By: **Anne Thorne**

6/21/2019 2:36:06 PM

Anne Thorne

Reviewed By: *Sub 6/21/19*

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☐ No ☐ NA ☒
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ 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? *KT 6/21/19*

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

