

Bratcher, Mike, EMNRD

From: Everhart, Harley <heverhart@akaenergy.com>
Sent: Friday, January 5, 2018 8:40 AM
To: Bratcher, Mike, EMNRD
Cc: Hinkley, Ethan; Coufal, Mark
Subject: Santo Nino 8" Steel Pipeline Leak

[Mike Bratcher](#) - Environmental Specialist

Reference: Santo Nino 8" Steel Pipeline Leak

This is to confirm our conversation via phone today on a pipeline leak located 32.731724N -103.972768W; (18S, R30E, S21) Eddy County

Respectfully,

Harley Everhart

EH&S Compliance

(575) 676-3505 - Direct
(575) 513-4922 - Cell
(575) 676-2401 - Fax
heverhart@akaenergy.com



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Bratcher, Mike, EMNRD

From: Everhart, Harley <heverhart@akaenergy.com>
Sent: Wednesday, January 10, 2018 3:58 PM
To: Bratcher, Mike, EMNRD
Subject: Santo Nino 8" Pipeline Leak

Hello Mike,

I just wanted to touch base with you to see if we can proceed with the remediation at the Santo Nino 8" Pipeline Leak? BLM already gave us their blessing.

Respectfully,

Harley Everhart

EH&S Compliance

(575) 676-3505 - Direct
(575) 513-4922 - Cell
(575) 676-2401 - Fax
heverhart@akaenergy.com



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Bratcher, Mike, EMNRD

From: Jordan, Yolanda <yjordan@blm.gov>
Sent: Friday, January 19, 2018 12:43 PM
To: Everhart, Harley; Hinkley, Ethan; Coufal, Mark; Prentiss, John; Calderon, Joe; Stahnke, Graham; Bratcher, Mike, EMNRD
Cc: Bruce Boeke; Robert Gomez; Tammie Hochstein
Subject: Re: the Santo Nino pipeline

Hello, Mr. John. I went out to this spill and met with Mr. Harley of Frontier. In the previous email to Mr. Harley, I noted that the total area of the spill was 50' x 200'. Some spots within this area may not have had oil spilled, but it would be expected for all within this area to receive the necessary clean up. I am the EPS for the Realty Department, so any future concerns regarding this spill should be directed to me. Thanks.

Regards,

Yolanda

On Mon, Jan 8, 2018 at 3:02 PM, Everhart, Harley <heverhart@akaenergy.com> wrote:

Ok we will wait for further instructions from you or Bruce.

Harley

From: Jordan, Yolanda [mailto:yjordan@blm.gov]
Sent: Monday, January 08, 2018 2:48 PM
To: Everhart, Harley <heverhart@akaenergy.com>; Bruce Boeke <bboeke@blm.gov>
Subject: Re: the Santo Nino pipeline

Good afternoon, Mr. Harley. Mr. Bruce is the Archaeology Supervisor for the BLM-Carlsbad, and he handles Frontier. I had gotten the coordinates 32.73162 N and -103.97238 W which should be in NESE, 21-18S-30E. According to the information that I reviewed, it is in an archaeology area, but I will get additional guidance from Mr. Bruce. He will have to inform us what must be done from here since the approximate area of the spill is 50' x 200'.

If the information that I have is not correct for the coordinates or spill size, please let use know as soon as possible, Mr. Harley. Thanks.

Regards,

Yolanda

On Mon, Jan 8, 2018 at 12:02 PM, Everhart, Harley <heverhart@akaenergy.com> wrote:

Hello Yolanda,

This email is just to see if you had an opportunity to see if the Santo Nino pipeline location needs to have an Archeologist inspect the area prior to remediating?

Respectfully,

Harley Everhart

EH&S Compliance

(575) 676-3505 - Direct

(575) 513-4922 - Cell

(575) 676-2401 - Fax

heverhart@akaenergy.com



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--

Yolanda Jordan Jimenezyjordan@blm.gov

Environmental Protection Specialist

Realty Department

Bureau Of Land Management, Carlsbad Field Office

[620 E. Greene Street](#)[Carlsbad, NM 88220](#)

Direct: 575.234.5916 Cell: 575.361.4586

The BLM approval/acceptance does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

--

Yolanda Jordan Jimenez

yjordan@blm.gov

Environmental Protection Specialist

Realty Department

Bureau Of Land Management, Carlsbad Field Office

620 E. Greene Street

Carlsbad, NM 88220

Direct: 575.234.5916 Cell: 575.361.4586

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Bratcher, Mike, EMNRD

From: Bob Allen <ballen@sesi-nm.com>
Sent: Tuesday, March 6, 2018 8:51 AM
To: mnaranjo@slo.state.nm.us; Bratcher, Mike, EMNRD; rjsanchez@blm.gov; heverhart@akaenergy.com; gstahnke@sugf.com
Cc: Tara Martin; Sergio Contreras
Subject: AKA Santo Nino Work Plan
Attachments: AKA Santo Nino Work Plan-final.pdf

Hello all!

I have attached, per Bob Allen SESI, the proposed Work Plan for the Santo Nino release. Please review and let us know if you have any questions.

Thank You

Tara Hodges

Safety & Environmental Solutions, Inc.
703 East Clinton Street
Hobbs, NM 88240
Office: (575) 397-0510

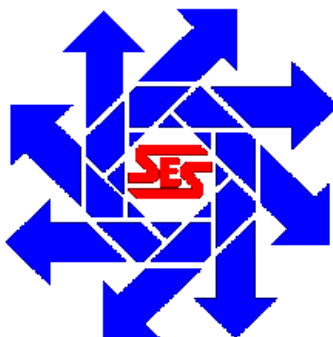
AKA Frontier Field Services, LLC

Santo Nino 8' Steel Pipeline

Work Plan

Section 21, T18S, R30E
Eddy County, New Mexico

February 5, 2018



Prepared for:

AKA Frontier Field Services, LLC
4200 E. Skelly Drive, Suite 700
Tulsa, OK 74135

By:

Safety & Environmental Solutions, Inc.
703 East Clinton Street
Hobbs, New Mexico 88240
(575) 397-0510

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Santo Nino 8" Steel Pipeline
February 5, 2018

AKA Frontier Field Services, LLC
Eddy County, New Mexico

I. Company Contacts

Representative	Company	Telephone	E-mail
Harley Everhart	AKA Energy Group, LLC	575-746-5566	heverhart@akaenergy.com
Bob Allen	SESI	575-397-0510	ballen@sesi-nm.com

II. Background

Safety and Environmental Solutions, Inc., hereinafter referred to as (SESI) was engaged by AKA Frontier Services to perform site remediation on the Santo Nino 8" Steel Pipeline, concerning a twenty (20) bbl. release of pipeline liquids. This site is situated in Eddy County, Section 21, Township 18S, and Range 30E.

According to the C-141: Approximately twenty (20) bbls of heavy pipeline liquid from a buried pipeline were released, resulting in a pooling of pipeline liquids on the surface above the pipeline. The pipeline was immediately shut in and repaired. The area was archaeology surveyed and identified as not being an archaeological site. Safety & Environmental Solutions was contacted for remediation.

III. Surface and Ground Water

The New Mexico Office of the State Engineer records indicates no presence of groundwater for the immediate area.

IV. Characterization

The target cleanup levels are determined using the *Guidelines for Remediation of Leaks, Spills and Releases* published by the NMOCD (August 13, 1993). Based on the ranking criteria presented below, the applicable Recommended Remediation Action Levels (RRAL) are 10 parts per million (ppm) Benzene, 50 ppm combined benzene, toluene, ethyl benzene, and total xylenes (BTEX), and 5,000 ppm Total Petroleum Hydrocarbons (TPH). Characterization of vertical extent of chloride concentration to a level of 250 mg/kg (PPM) is also required.

Depth to Ground Water:			
(Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet	20 points	
	50 feet to 99 feet	10 points	
	>100 feet	0 points	X
Wellhead Protection Area:			
(Less than 200 feet from a private domestic water source; or less than 1000 feet from all other water sources)	Yes	20 points	
	No	0 points	X
Distance to Surface Water:			
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet	20 points	
	200 feet to 1000 feet	10 points	
	>1000 feet	0 points	X
RANKING SCORE (TOTAL POINTS)			0

Santo Nino 8" Steel Pipeline
February 5, 2018

AKA Frontier Field Services, LLC
Eddy County, New Mexico

V. Work Performed

Between January 24 and January 25, 2018, SESI personnel were onsite with Rocky Peak crew, two Backhoes w/operators and AKA personnel at the AKA Santo Nino release to install test trenches to determine vertical extent of TPH & Chloride contamination. Test trenches were installed and field tested for TPH & Chlorides. The test trench locations were mapped using the Juno 3B. All soil samples were properly packaged, preserved and transported to Hall Laboratories of Albuquerque, NM by chain of custody, and analyzed for TPH (total petroleum hydrocarbons)(Method 8015M), BTEX, and Chlorides (Method 300). The results are presented in the following table:

Soil Sample Results: Hall Environmental Laboratories 2-1-18								
SAMPLE ID	Benzene	Toluene	Ethyl benzene	Total Xylenes	Total BTEX	TPH GRO	TPH DRO	Chlorides
TT 1 16 ft	ND	ND	ND	ND	ND	ND	41	140
TT-1 17ft	ND	ND	ND	ND	ND	ND	37	110
TT-1 22ft	ND	ND	ND	ND	ND	ND	ND	70
TT-2 2ft	ND	ND	ND	ND	ND	ND	40	110
TT-2 3ft	.052	13	6.1	33	ND	610	90	120
TT-2 8ft	ND	ND	ND	ND	ND	ND	ND	36
TT-3 5ft	ND	ND	ND	ND	ND	ND	ND	ND
TT-3 6ft	ND	ND	ND	ND	ND	ND	ND	ND
TT-3 11ft	ND	ND	ND	ND	ND	ND	31	50
TT-4 2ft	ND	ND	ND	ND	ND	ND	ND	110
TT-4 3ft	ND	ND	ND	ND	ND	ND	ND	95
TT-4 8ft	ND	ND	ND	ND	ND	ND	ND	ND

VI. Action Plan

Based on the sampling results listed above the following action plan is proposed:
 We propose to excavate to the depth of four (4) or until TPH, BTEX and Chlorides are below levels outlined by the NMOCD. Excavation will be backfilled with uncontaminated soil and all contaminated soil will be transported to an NMOCD approved facility. A liner will be installed at the bottom of the excavation in the area of Test Trench 1. The liner will be placed in the more heavily contaminated area around Test Trench 1. The bottom will be sampled to document the level of contaminated soil left in place. AKA Frontier will revegetate the disturbance associated with the remediation at the release site. Upon completion of all approved remediation activity, all necessary closure documentation will be submitted to the appropriate regulatory agencies.

VII. Figures & Appendices

Figure 1 – Vicinity Map
 Figure 2 – Site Plan
 Appendix A – C-141
 Appendix B – Groundwater
 Appendix C – Analytical Results

Santo Nino 8" Steel Pipeline
February 5, 2018

AKA Frontier Field Services, LLC
Eddy County, New Mexico

Figure 1

Vicinity Map

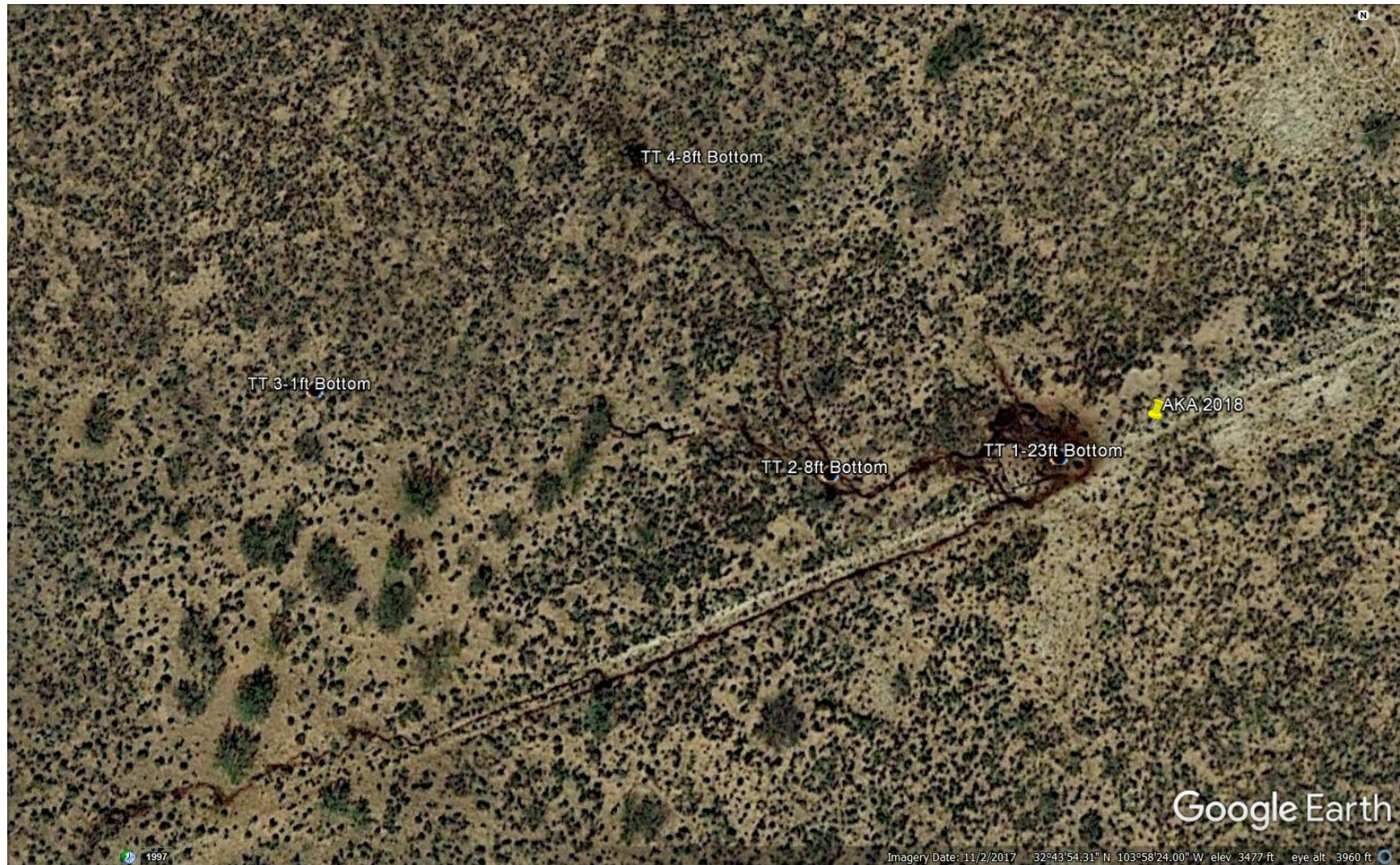


Santo Nino 8" Steel Pipeline
February 5, 2018

AKA Frontier Field Services, LLC
Eddy County, New Mexico

Figure 2

Site Plan



Santo Nino 8" Steel Pipeline
February 5, 2018

AKA Frontier Field Services, LLC
Eddy County, New Mexico

Appendix A

C-141

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

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Frontier Field Services, LLC	Contact John Prentiss
Address 4200 E. Skelly Drive, Suite 700, Tulsa, OK 74135	Telephone No. 575-676-3528
Facility Name Santo Nino 8" Steel Pipeline	Facility Type Natural gas gathering pipeline
Surface Owner BLM	Mineral Owner N/A API No. N/A

LOCATION OF RELEASE

Unit Letter J	Section 21	Township 18S	Range 30E	Feet from the 1982ft	North/South Line	Feet from the	East/West Line	County Eddy
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Latitude **32° 73' 16.02" N** Longitude **-103° 97' 23.08" W**

NATURE OF RELEASE

Type of Release LOPC of heavy pipeline liquids from a buried pipeline	Volume of Release est. surface 20 bbl.	Volume Recovered None. Impacted soil to be excavated
Source of Release A buried pipeline	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 01/04/2018
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher – NMOCD Yolanda Jimenez - BLM	
By Whom? Harley Everhart – EHS Technician III	Date and Hour 1/05/18 @ 08:20	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*

On 1/4/2018, a Rancher discovered a puddle of heavy condensate gathered on the surface above a known underground heavy condensate pipeline. The pipeline was immediately shut-in to prevent further leakage and notifications were made internally to operations leadership and environmental. Frontier estimated the release to exceed 5bbl and made prompt notifications to NMOCD and BLM.

On 01/04/2018 the 8" steel pipeline was repaired.

On 1/09/2018, the area was archaeology surveyed and identified as not being an archaeological site.

Once the NMOCD and BLM gives approval, the excavation will commence to remove contaminated soils and haul them to an NMOCD-approved disposal facility.

Describe Area Affected and Cleanup Action Taken.*

Excavation will continue until TPH, BTEX, and Benzene are below the levels outlined in "NMOCD Guidelines for Remediation of Leaks, Spills, and Releases". Impacted soils will be transported to an OCD approved facility for disposal and the area will be backfilled with clean soil. Frontier will revegetate the disturbance associated with the remediation at the release site. A final report with supporting documentation will be submitted before backfilling to establish final approval for closure from NMOCD and BLM.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: Harley Everhart	OIL CONSERVATION DIVISION		
Printed Name: Harley Everhart			
Title: EHS Technician III	Approved by Environmental Specialist:	Approval Date:	Expiration Date:
E-mail Address: heverhart@akaenergy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 01/09/2018	Phone: 575-513-4922		

Appendix B

Groundwater



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
CP 00767 POD1	CP	ED		3	2	35	18S	30E		599300	3619158*	500		
CP 00818 POD1	CP	LE		1	4	26	18S	30E		599289	3620364*	240		
CP 00819 POD1	CP	LE		2	4	32	18S	30E		594878	3618720*	150		
CP 00853 POD1	O	CP	ED	2	4	28	18S	30E		596472	3620340*	350		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 4

PLSS Search:

Township: 18S

Range: 30E

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

1/19/18 7:47 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Santo Nino 8" Steel Pipeline
February 5, 2018

AKA Frontier Field Services, LLC
Eddy County, New Mexico

Appendix C – Analytical Results



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

February 01, 2018

Bob Allen
Safety & Environmental Solutions
PO Box 1613
Hobbs, NM 88241
TEL: (575) 397-0510
FAX (575) 393-4388

RE: AKA Santo Nino

OrderNo.: 1801C66

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 12 sample(s) on 1/26/2018 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 #NM0190

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

Analytical Report

Lab Order 1801C66

Date Reported: 2/1/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TI-1 16 ft

Project: AKA Santo Nino

Collection Date: 1/24/2018 2:30:00 PM

Lab ID: 1801C66-001

Matrix: SOIL

Received Date: 1/26/2018 9:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	140	30		mg/Kg	20	1/31/2018 11:02:15 AM	36280
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	41	9.9		mg/Kg	1	1/30/2018 7:44:39 PM	36240
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/30/2018 7:44:39 PM	36240
Surr: DNOP	110	70-130		%Rec	1	1/30/2018 7:44:39 PM	36240
EPA METHOD 8015D: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/29/2018 2:25:53 PM	36227
Surr: BFB	91.8	15-316		%Rec	1	1/29/2018 2:25:53 PM	36227
EPA METHOD 8021B: VOLATILES							Analyst: AG
Methyl tert-butyl ether (MTBE)	ND	0.094		mg/Kg	1	1/29/2018 2:25:53 PM	36227
Benzene	ND	0.024		mg/Kg	1	1/29/2018 2:25:53 PM	36227
Toluene	ND	0.047		mg/Kg	1	1/29/2018 2:25:53 PM	36227
Ethylbenzene	ND	0.047		mg/Kg	1	1/29/2018 2:25:53 PM	36227
Xylenes, Total	ND	0.094		mg/Kg	1	1/29/2018 2:25:53 PM	36227
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	1/29/2018 2:25:53 PM	36227

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 Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Page 1 of 18

Analytical Report

Lab Order 1801C66

Date Reported: 2/1/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TI-1 17 ft

Project: AKA Santo Nino

Collection Date: 1/24/2018 2:40:00 PM

Lab ID: 1801C66-002

Matrix: SOIL

Received Date: 1/26/2018 9:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	110	30		mg/Kg	20	1/31/2018 11:39:30 AM	36280
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	37	10		mg/Kg	1	1/30/2018 8:50:08 PM	36240
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/30/2018 8:50:08 PM	36240
Surr: DNOP	113	70-130		%Rec	1	1/30/2018 8:50:08 PM	36240
EPA METHOD 8015D: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	1/29/2018 3:36:14 PM	36227
Surr: BFB	85.6	15-316		%Rec	1	1/29/2018 3:36:14 PM	36227
EPA METHOD 8021B: VOLATILES							Analyst: AG
Methyl tert-butyl ether (MTBE)	ND	0.093		mg/Kg	1	1/29/2018 3:36:14 PM	36227
Benzene	ND	0.023		mg/Kg	1	1/29/2018 3:36:14 PM	36227
Toluene	ND	0.046		mg/Kg	1	1/29/2018 3:36:14 PM	36227
Ethylbenzene	ND	0.046		mg/Kg	1	1/29/2018 3:36:14 PM	36227
Xylenes, Total	ND	0.093		mg/Kg	1	1/29/2018 3:36:14 PM	36227
Surr: 4-Bromofluorobenzene	91.6	80-120		%Rec	1	1/29/2018 3:36:14 PM	36227

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 Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Page 2 of 18

Analytical Report

Lab Order 1801C66

Date Reported: 2/1/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TI-1 22 ft

Project: AKA Santo Nino

Collection Date: 1/24/2018 2:50:00 PM

Lab ID: 1801C66-003

Matrix: SOIL

Received Date: 1/26/2018 9:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	70	30		mg/Kg	20	1/31/2018 11:51:54 AM	36280
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	1/30/2018 9:12:20 PM	36240
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	1/30/2018 9:12:20 PM	36240
Surr: DNOP	114	70-130		%Rec	1	1/30/2018 9:12:20 PM	36240
EPA METHOD 8015D: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/29/2018 4:46:13 PM	36227
Surr: BFB	84.4	15-316		%Rec	1	1/29/2018 4:46:13 PM	36227
EPA METHOD 8021B: VOLATILES							Analyst: AG
Methyl tert-butyl ether (MTBE)	ND	0.098		mg/Kg	1	1/29/2018 4:46:13 PM	36227
Benzene	ND	0.025		mg/Kg	1	1/29/2018 4:46:13 PM	36227
Toluene	ND	0.049		mg/Kg	1	1/29/2018 4:46:13 PM	36227
Ethylbenzene	ND	0.049		mg/Kg	1	1/29/2018 4:46:13 PM	36227
Xylenes, Total	ND	0.098		mg/Kg	1	1/29/2018 4:46:13 PM	36227
Surr: 4-Bromofluorobenzene	91.6	80-120		%Rec	1	1/29/2018 4:46:13 PM	36227

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 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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Analytical Report

Lab Order 1801C66

Date Reported: 2/1/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TI-2 2 ft

Project: AKA Santo Nino

Collection Date: 1/25/2018 8:15:00 AM

Lab ID: 1801C66-004

Matrix: SOIL

Received Date: 1/26/2018 9:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	110	30		mg/Kg	20	1/31/2018 12:04:18 PM	36280
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	40	9.5		mg/Kg	1	1/30/2018 9:34:15 PM	36240
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/30/2018 9:34:15 PM	36240
Surr: DNOP	107	70-130		%Rec	1	1/30/2018 9:34:15 PM	36240
EPA METHOD 8015D: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/29/2018 5:09:39 PM	36227
Surr: BFB	88.9	15-316		%Rec	1	1/29/2018 5:09:39 PM	36227
EPA METHOD 8021B: VOLATILES							Analyst: AG
Methyl tert-butyl ether (MTBE)	ND	0.097		mg/Kg	1	1/29/2018 5:09:39 PM	36227
Benzene	ND	0.024		mg/Kg	1	1/29/2018 5:09:39 PM	36227
Toluene	ND	0.049		mg/Kg	1	1/29/2018 5:09:39 PM	36227
Ethylbenzene	ND	0.049		mg/Kg	1	1/29/2018 5:09:39 PM	36227
Xylenes, Total	ND	0.097		mg/Kg	1	1/29/2018 5:09:39 PM	36227
Surr: 4-Bromofluorobenzene	97.4	80-120		%Rec	1	1/29/2018 5:09:39 PM	36227

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 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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Analytical Report

Lab Order 1801C66

Date Reported: 2/1/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TI-2 3 ft

Project: AKA Santo Nino

Collection Date: 1/25/2018 8:55:00 AM

Lab ID: 1801C66-005

Matrix: SOIL

Received Date: 1/26/2018 9:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	120	30		mg/Kg	20	1/31/2018 12:41:32 PM	36280
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	90	10		mg/Kg	1	1/30/2018 9:56:17 PM	36240
Motor Oil Range Organics (MRO)	57	50		mg/Kg	1	1/30/2018 9:56:17 PM	36240
Surr: DNOP	107	70-130		%Rec	1	1/30/2018 9:56:17 PM	36240
EPA METHOD 8015D: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/29/2018 5:33:00 PM	36227
Surr: BFB	85.5	15-316		%Rec	1	1/29/2018 5:33:00 PM	36227
EPA METHOD 8021B: VOLATILES							Analyst: AG
Methyl tert-butyl ether (MTBE)	ND	0.097		mg/Kg	1	1/29/2018 5:33:00 PM	36227
Benzene	ND	0.024		mg/Kg	1	1/29/2018 5:33:00 PM	36227
Toluene	ND	0.048		mg/Kg	1	1/29/2018 5:33:00 PM	36227
Ethylbenzene	ND	0.048		mg/Kg	1	1/29/2018 5:33:00 PM	36227
Xylenes, Total	ND	0.097		mg/Kg	1	1/29/2018 5:33:00 PM	36227
Surr: 4-Bromofluorobenzene	90.0	80-120		%Rec	1	1/29/2018 5:33:00 PM	36227

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 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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Analytical Report

Lab Order 1801C66

Date Reported: 2/1/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TI-2 8 ft

Project: AKA Santo Nino

Collection Date: 1/25/2018 9:15:00 AM

Lab ID: 1801C66-006

Matrix: SOIL

Received Date: 1/26/2018 9:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	36	30		mg/Kg	20	1/31/2018 12:53:56 PM	36280
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	1/30/2018 10:18:09 PM	36240
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/30/2018 10:18:09 PM	36240
Surr: DNOP	113	70-130		%Rec	1	1/30/2018 10:18:09 PM	36240
EPA METHOD 8015D: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/29/2018 5:56:18 PM	36227
Surr: BFB	87.2	15-316		%Rec	1	1/29/2018 5:56:18 PM	36227
EPA METHOD 8021B: VOLATILES							Analyst: AG
Methyl tert-butyl ether (MTBE)	ND	0.094		mg/Kg	1	1/29/2018 5:56:18 PM	36227
Benzene	ND	0.024		mg/Kg	1	1/29/2018 5:56:18 PM	36227
Toluene	ND	0.047		mg/Kg	1	1/29/2018 5:56:18 PM	36227
Ethylbenzene	ND	0.047		mg/Kg	1	1/29/2018 5:56:18 PM	36227
Xylenes, Total	ND	0.094		mg/Kg	1	1/29/2018 5:56:18 PM	36227
Surr: 4-Bromofluorobenzene	95.1	80-120		%Rec	1	1/29/2018 5:56:18 PM	36227

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 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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Analytical Report

Lab Order 1801C66

Date Reported: 2/1/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TI-3 5 ft

Project: AKA Santo Nino

Collection Date: 1/25/2018 9:45:00 AM

Lab ID: 1801C66-007

Matrix: SOIL

Received Date: 1/26/2018 9:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	30		mg/Kg	20	1/31/2018 1:06:20 PM	36280
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/30/2018 10:40:06 PM	36240
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	1/30/2018 10:40:06 PM	36240
Surr: DNOP	99.8	70-130		%Rec	1	1/30/2018 10:40:06 PM	36240
EPA METHOD 8015D: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/29/2018 6:19:37 PM	36227
Surr: BFB	84.6	15-316		%Rec	1	1/29/2018 6:19:37 PM	36227
EPA METHOD 8021B: VOLATILES							Analyst: AG
Methyl tert-butyl ether (MTBE)	ND	0.097		mg/Kg	1	1/29/2018 6:19:37 PM	36227
Benzene	ND	0.024		mg/Kg	1	1/29/2018 6:19:37 PM	36227
Toluene	ND	0.049		mg/Kg	1	1/29/2018 6:19:37 PM	36227
Ethylbenzene	ND	0.049		mg/Kg	1	1/29/2018 6:19:37 PM	36227
Xylenes, Total	ND	0.097		mg/Kg	1	1/29/2018 6:19:37 PM	36227
Surr: 4-Bromofluorobenzene	91.3	80-120		%Rec	1	1/29/2018 6:19:37 PM	36227

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 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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Analytical Report

Lab Order 1801C66

Date Reported: 2/1/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TI-3 6 ft

Project: AKA Santo Nino

Collection Date: 1/25/2018 9:55:00 AM

Lab ID: 1801C66-008

Matrix: SOIL

Received Date: 1/26/2018 9:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	30		mg/Kg	20	1/31/2018 1:18:45 PM	36280
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/30/2018 11:01:56 PM	36240
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/30/2018 11:01:56 PM	36240
Surr: DNOP	98.7	70-130		%Rec	1	1/30/2018 11:01:56 PM	36240
EPA METHOD 8015D: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/29/2018 6:42:48 PM	36227
Surr: BFB	87.8	15-316		%Rec	1	1/29/2018 6:42:48 PM	36227
EPA METHOD 8021B: VOLATILES							Analyst: AG
Methyl tert-butyl ether (MTBE)	ND	0.096		mg/Kg	1	1/29/2018 6:42:48 PM	36227
Benzene	ND	0.024		mg/Kg	1	1/29/2018 6:42:48 PM	36227
Toluene	ND	0.048		mg/Kg	1	1/29/2018 6:42:48 PM	36227
Ethylbenzene	ND	0.048		mg/Kg	1	1/29/2018 6:42:48 PM	36227
Xylenes, Total	ND	0.096		mg/Kg	1	1/29/2018 6:42:48 PM	36227
Surr: 4-Bromofluorobenzene	96.7	80-120		%Rec	1	1/29/2018 6:42:48 PM	36227

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 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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Analytical Report

Lab Order 1801C66

Date Reported: 2/1/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TI-3 11 ft

Project: AKA Santo Nino

Collection Date: 1/25/2018 10:15:00 AM

Lab ID: 1801C66-009

Matrix: SOIL

Received Date: 1/26/2018 9:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	50	30		mg/Kg	20	1/31/2018 1:31:09 PM	36280
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	31	9.7		mg/Kg	1	1/30/2018 11:23:56 PM	36240
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/30/2018 11:23:56 PM	36240
Surr: DNOP	102	70-130		%Rec	1	1/30/2018 11:23:56 PM	36240
EPA METHOD 8015D: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/29/2018 7:06:13 PM	36227
Surr: BFB	84.5	15-316		%Rec	1	1/29/2018 7:06:13 PM	36227
EPA METHOD 8021B: VOLATILES							Analyst: AG
Methyl tert-butyl ether (MTBE)	ND	0.095		mg/Kg	1	1/29/2018 7:06:13 PM	36227
Benzene	ND	0.024		mg/Kg	1	1/29/2018 7:06:13 PM	36227
Toluene	ND	0.047		mg/Kg	1	1/29/2018 7:06:13 PM	36227
Ethylbenzene	ND	0.047		mg/Kg	1	1/29/2018 7:06:13 PM	36227
Xylenes, Total	ND	0.095		mg/Kg	1	1/29/2018 7:06:13 PM	36227
Surr: 4-Bromofluorobenzene	89.1	80-120		%Rec	1	1/29/2018 7:06:13 PM	36227

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 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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Analytical Report

Lab Order 1801C66

Date Reported: 2/1/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TI-4 2 ft

Project: AKA Santo Nino

Collection Date: 1/25/2018 10:20:00 AM

Lab ID: 1801C66-010

Matrix: SOIL

Received Date: 1/26/2018 9:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	110	30		mg/Kg	20	1/31/2018 1:43:34 PM	36280
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/30/2018 11:45:46 PM	36240
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/30/2018 11:45:46 PM	36240
Surr: DNOP	105	70-130		%Rec	1	1/30/2018 11:45:46 PM	36240
EPA METHOD 8015D: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/29/2018 8:39:17 PM	36227
Surr: BFB	81.8	15-316		%Rec	1	1/29/2018 8:39:17 PM	36227
EPA METHOD 8021B: VOLATILES							Analyst: AG
Methyl tert-butyl ether (MTBE)	ND	0.097		mg/Kg	1	1/29/2018 8:39:17 PM	36227
Benzene	ND	0.024		mg/Kg	1	1/29/2018 8:39:17 PM	36227
Toluene	ND	0.048		mg/Kg	1	1/29/2018 8:39:17 PM	36227
Ethylbenzene	ND	0.048		mg/Kg	1	1/29/2018 8:39:17 PM	36227
Xylenes, Total	ND	0.097		mg/Kg	1	1/29/2018 8:39:17 PM	36227
Surr: 4-Bromofluorobenzene	87.9	80-120		%Rec	1	1/29/2018 8:39:17 PM	36227

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 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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Analytical Report

Lab Order 1801C66

Date Reported: 2/1/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TI-4 3 ft

Project: AKA Santo Nino

Collection Date: 1/25/2018 10:30:00 AM

Lab ID: 1801C66-011

Matrix: SOIL

Received Date: 1/26/2018 9:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	95	30		mg/Kg	20	1/31/2018 1:55:59 PM	36280
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	1/31/2018 12:08:00 AM	36240
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/31/2018 12:08:00 AM	36240
Surr: DNOP	123	70-130		%Rec	1	1/31/2018 12:08:00 AM	36240
EPA METHOD 8015D: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/29/2018 9:02:34 PM	36227
Surr: BFB	83.2	15-316		%Rec	1	1/29/2018 9:02:34 PM	36227
EPA METHOD 8021B: VOLATILES							Analyst: AG
Methyl tert-butyl ether (MTBE)	ND	0.094		mg/Kg	1	1/29/2018 9:02:34 PM	36227
Benzene	ND	0.023		mg/Kg	1	1/29/2018 9:02:34 PM	36227
Toluene	ND	0.047		mg/Kg	1	1/29/2018 9:02:34 PM	36227
Ethylbenzene	ND	0.047		mg/Kg	1	1/29/2018 9:02:34 PM	36227
Xylenes, Total	ND	0.094		mg/Kg	1	1/29/2018 9:02:34 PM	36227
Surr: 4-Bromofluorobenzene	90.0	80-120		%Rec	1	1/29/2018 9:02:34 PM	36227

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 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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Analytical Report

Lab Order 1801C66

Date Reported: 2/1/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TI-4 8 ft

Project: AKA Santo Nino

Collection Date: 1/25/2018 11:15:00 AM

Lab ID: 1801C66-012

Matrix: SOIL

Received Date: 1/26/2018 9:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	30		mg/Kg	20	1/31/2018 2:08:23 PM	36280
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/31/2018 12:30:09 AM	36240
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/31/2018 12:30:09 AM	36240
Surr: DNOP	98.9	70-130		%Rec	1	1/31/2018 12:30:09 AM	36240
EPA METHOD 8015D: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/29/2018 9:25:48 PM	36227
Surr: BFB	80.9	15-316		%Rec	1	1/29/2018 9:25:48 PM	36227
EPA METHOD 8021B: VOLATILES							Analyst: AG
Methyl tert-butyl ether (MTBE)	ND	0.098		mg/Kg	1	1/29/2018 9:25:48 PM	36227
Benzene	ND	0.024		mg/Kg	1	1/29/2018 9:25:48 PM	36227
Toluene	ND	0.049		mg/Kg	1	1/29/2018 9:25:48 PM	36227
Ethylbenzene	ND	0.049		mg/Kg	1	1/29/2018 9:25:48 PM	36227
Xylenes, Total	ND	0.098		mg/Kg	1	1/29/2018 9:25:48 PM	36227
Surr: 4-Bromofluorobenzene	87.4	80-120		%Rec	1	1/29/2018 9:25:48 PM	36227

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 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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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1801C66
01-Feb-18

Client: Safety & Environmental Solutions
Project: AKA Santo Nino

Sample ID	MB-36280	SampType:	mblk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	36280	RunNo:	48809					
Prep Date:	1/31/2018	Analysis Date:	1/31/2018	SeqNo:	1571080	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-36280	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	36280	RunNo:	48809					
Prep Date:	1/31/2018	Analysis Date:	1/31/2018	SeqNo:	1571081	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.3	90	110			

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 Quantitative 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

Page 13 of 18

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1801C66

01-Feb-18

Client: Safety & Environmental Solutions**Project:** AKA Santo Nino

Sample ID	1801C66-001AMS	SampType:	MS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	TI-1 16 ft	Batch ID:	36240	RunNo:	48775					
Prep Date:	1/29/2018	Analysis Date:	1/30/2018	SeqNo:	1569987	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	81	9.7	48.54	41.31	81.6	55.8	125			
Surr: DNOP	5.1		4.854		106	70	130			

Sample ID	1801C66-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	TI-1 16 ft	Batch ID:	36240	RunNo:	48775					
Prep Date:	1/29/2018	Analysis Date:	1/30/2018	SeqNo:	1569988	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	77	9.5	47.62	41.31	76.0	55.8	125	4.32	20	
Surr: DNOP	4.9		4.762		103	70	130	0	0	

Sample ID	LCS-36240	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	36240	RunNo:	48775					
Prep Date:	1/29/2018	Analysis Date:	1/30/2018	SeqNo:	1570004	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.1	70	130			
Surr: DNOP	5.1		5.000		101	70	130			

Sample ID	MB-36240	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	36240	RunNo:	48775					
Prep Date:	1/29/2018	Analysis Date:	1/30/2018	SeqNo:	1570005	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		110	70	130			

Sample ID	LCS-36251	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	36251	RunNo:	48777					
Prep Date:	1/29/2018	Analysis Date:	1/30/2018	SeqNo:	1570269	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.5		5.000		89.9	70	130			

Sample ID	MB-36251	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	36251	RunNo:	48777					
Prep Date:	1/29/2018	Analysis Date:	1/30/2018	SeqNo:	1570271	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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 Quantitative 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

Page 14 of 18

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1801C66
01-Feb-18

Client: Safety & Environmental Solutions
Project: AKA Santo Nino

Sample ID	MB-36251	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	36251	RunNo:	48777					
Prep Date:	1/29/2018	Analysis Date:	1/30/2018	SeqNo:	1570271	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.7		10.00		87.5	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 Quantitative 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
- Page 15 of 18

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1801C66

01-Feb-18

Client: Safety & Environmental Solutions**Project:** AKA Santo Nino

Sample ID	1801C66-002AMS	SampType:	MS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	TI-1 17 ft	Batch ID:	36227	RunNo:	48780					
Prep Date:	1/26/2018	Analysis Date:	1/29/2018	SeqNo:	1569676	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.9	24.32	0	89.2	77.8	128			
Surr: BFB	950		972.8		97.4	15	316			

Sample ID	1801C66-002AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	TI-1 17 ft	Batch ID:	36227	RunNo:	48780					
Prep Date:	1/26/2018	Analysis Date:	1/29/2018	SeqNo:	1569677	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.7	23.63	0	93.5	77.8	128	1.85	20	
Surr: BFB	900		945.2		95.4	15	316	0	0	

Sample ID	LCS-36227	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	36227	RunNo:	48780					
Prep Date:	1/26/2018	Analysis Date:	1/29/2018	SeqNo:	1569695	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.0	75.9	131			
Surr: BFB	940		1000		94.0	15	316			

Sample ID	MB-36227	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	36227	RunNo:	48780					
Prep Date:	1/26/2018	Analysis Date:	1/29/2018	SeqNo:	1569696	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	890		1000		88.8	15	316			

Sample ID	LCS-36238	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	36238	RunNo:	48820					
Prep Date:	1/29/2018	Analysis Date:	1/31/2018	SeqNo:	1570842	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		115	15	316			

Sample ID	MB-36238	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	36238	RunNo:	48820					
Prep Date:	1/29/2018	Analysis Date:	1/31/2018	SeqNo:	1570844	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		101	15	316			

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 Quantitative 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

Page 16 of 18

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1801C66

01-Feb-18

Client: Safety & Environmental Solutions**Project:** AKA Santo Nino

Sample ID	1801C66-001AMS		SampType:	MS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	TI-1 16 ft		Batch ID:	36227		RunNo:	48780			
Prep Date:	1/26/2018		Analysis Date:	1/29/2018		SeqNo:	1569708		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.71	0.093	0.9294	0	76.5	72.5	138			
Benzene	0.78	0.023	0.9294	0	84.0	80.9	132			
Toluene	0.80	0.046	0.9294	0	85.7	79.8	136			
Ethylbenzene	0.80	0.046	0.9294	0	85.8	79.4	140			
Xylenes, Total	2.4	0.093	2.788	0.02019	86.5	78.5	142			
Surr: 4-Bromofluorobenzene	0.90		0.9294		96.9	80	120			

Sample ID	1801C66-001AMSD		SampType:	MSD		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	TI-1 16 ft		Batch ID:	36227		RunNo:	48780			
Prep Date:	1/26/2018		Analysis Date:	1/29/2018		SeqNo:	1569709		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.72	0.094	0.9443	0	76.0	72.5	138	0.898	20	
Benzene	0.78	0.024	0.9443	0	83.0	80.9	132	0.443	20	
Toluene	0.80	0.047	0.9443	0	84.9	79.8	136	0.725	20	
Ethylbenzene	0.80	0.047	0.9443	0	85.1	79.4	140	0.855	20	
Xylenes, Total	2.4	0.094	2.833	0.02019	85.6	78.5	142	0.524	20	
Surr: 4-Bromofluorobenzene	0.91		0.9443		96.7	80	120	0	0	

Sample ID	LCS-36227		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	36227		RunNo:	48780			
Prep Date:	1/26/2018		Analysis Date:	1/29/2018		SeqNo:	1569727		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.84	0.10	1.000	0	83.8	70.1	121			
Benzene	0.89	0.025	1.000	0	89.5	77.3	128			
Toluene	0.91	0.050	1.000	0	90.8	79.2	125			
Ethylbenzene	0.89	0.050	1.000	0	89.4	80.7	127			
Xylenes, Total	2.7	0.10	3.000	0	91.4	81.6	129			
Surr: 4-Bromofluorobenzene	1.0		1.000		100	80	120			

Sample ID	MB-36227		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	36227		RunNo:	48780			
Prep Date:	1/26/2018		Analysis Date:	1/29/2018		SeqNo:	1569728		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.10								
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								

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 Quantitative 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

Page 17 of 18

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**WO#: **1801C66****01-Feb-18****Client:** Safety & Environmental Solutions**Project:** AKA Santo Nino

Sample ID MB-36227	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 36227			RunNo: 48780						
Prep Date: 1/26/2018	Analysis Date: 1/29/2018			SeqNo: 1569728	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		98.8	80	120			

Sample ID LCS-36238	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 36238			RunNo: 48820						
Prep Date: 1/29/2018	Analysis Date: 1/31/2018			SeqNo: 1570883	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

Sample ID MB-36238	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 36238			RunNo: 48820						
Prep Date: 1/29/2018	Analysis Date: 1/31/2018			SeqNo: 1570885	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

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 Quantitative 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

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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: Safety Env Solutions

Work Order Number: 1801C66

RcptNo: 1

Received By: Sophia Campuzano 1/26/2018 9:20:00 AM

Completed By: Dennis Suazo 1/26/2018 9:50:01 AM

Reviewed By: ENM 1/26/18

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? _____
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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.3	Good	Not Present			

Bratcher, Mike, EMNRD

From: Bratcher, Mike, EMNRD
Sent: Wednesday, March 7, 2018 7:43 AM
To: 'Bob Allen'; rjsanchez@blm.gov; heverhart@akaenergy.com; gstahnke@sugf.com
Cc: Tara Martin; Sergio Contreras; YJORDAN@BLM.GOV; Weaver, Crystal, EMNRD
Subject: RE: AKA Santo Nino Work Plan

RE: Frontier Field Services (AKA Energy) * Santo Nino 8" Steel Pipeline * J-21-18s-30e * 2RP- To be assigned * DOR: Discovered 1/4/18

All,

The C-141 for this release got lost in my email shuffle, so apologies for not getting on this sooner. I will send the RP number once we have it processed and assigned. At this time, OCD approves commencement of excavation ops. Analytical data will need to be reviewed prior to installation of any liner at the site. Federal sites will require like approval by BLM.

Mike Bratcher
NMOCD District 2
811 South First Street
Artesia, NM 88210
575-748-1283 Ext 108

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Bob Allen [mailto:ballen@sesi-nm.com]
Sent: Tuesday, March 6, 2018 8:51 AM
To: mnaranjo@slo.state.nm.us; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; rjsanchez@blm.gov; heverhart@akaenergy.com; gstahnke@sugf.com
Cc: Tara Martin <office2@sesi-nm.com>; Sergio Contreras <scontreras@sesi-nm.com>
Subject: AKA Santo Nino Work Plan

Hello all!

I have attached, per Bob Allen SESI, the proposed Work Plan for the Santo Nino release. Please review and let us know if you have any questions.

Thank You

Tara Hodges

Safety & Environmental Solutions, Inc.
703 East Clinton Street

Hobbs, NM 88240
Office: (575) 397-0510

Bratcher, Mike, EMNRD

From: Bratcher, Mike, EMNRD
Sent: Tuesday, March 27, 2018 5:01 PM
To: 'Everhart, Harley'; Bob Allen
Cc: Tara Martin; Sergio Contreras; YJORDAN@BLM.GOV; Weaver, Crystal, EMNRD
Subject: RE: AKA Santo Nino Work Plan

FYI: Tracking number for this incident is **2RP-4652**

Mike Bratcher
NMOCD District 2
811 South First Street
Artesia, NM 88210
575-748-1283 Ext 108

From: Everhart, Harley <heverhart@akaenergy.com>
Sent: Wednesday, March 7, 2018 7:45 AM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Bob Allen <ballen@sesi-nm.com>; rjsanchez@blm.gov; Stahnke, Graham <gstahnke@sugf.com>
Cc: Tara Martin <office2@sesi-nm.com>; Sergio Contreras <scontreras@sesi-nm.com>; YJORDAN@BLM.GOV; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>
Subject: RE: AKA Santo Nino Work Plan

Thanks Mike

Harley

From: Bratcher, Mike, EMNRD [<mailto:mike.bratcher@state.nm.us>]
Sent: Wednesday, March 07, 2018 7:43 AM
To: Bob Allen <ballen@sesi-nm.com>; rjsanchez@blm.gov; Everhart, Harley <heverhart@akaenergy.com>; Stahnke, Graham <gstahnke@sugf.com>
Cc: Tara Martin <office2@sesi-nm.com>; Sergio Contreras <scontreras@sesi-nm.com>; YJORDAN@BLM.GOV; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>
Subject: RE: AKA Santo Nino Work Plan

RE: Frontier Field Services (AKA Energy) * Santo Nino 8" Steel Pipeline * J-21-18s-30e * 2RP- To be assigned * DOR: Discovered 1/4/18

All,

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Mike Bratcher
NMOCD District 2
811 South First Street

Artesia, NM 88210
575-748-1283 Ext 108

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From: Bob Allen [<mailto:ballen@sesi-nm.com>]
Sent: Tuesday, March 6, 2018 8:51 AM
To: mnaranjo@slo.state.nm.us; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; rjsanchez@blm.gov; heverhart@akaenergy.com; gstahnke@sugf.com
Cc: Tara Martin <office2@sesi-nm.com>; Sergio Contreras <scontreras@sesi-nm.com>
Subject: AKA Santo Nino Work Plan

Hello all!

I have attached, per Bob Allen SESI, the proposed Work Plan for the Santo Nino release. Please review and let us know if you have any questions.

Thank You

Tara Hodges

Safety & Environmental Solutions, Inc.
703 East Clinton Street
Hobbs, NM 88240
Office: (575) 397-0510

Bratcher, Mike, EMNRD

From: Tara Hodges <office2@sesi-nm.com>
Sent: Wednesday, May 2, 2018 7:53 AM
To: Bratcher, Mike, EMNRD
Cc: ballen@sesi-nm.com; scontreras@sesi-nm.com
Subject: AKA Santo Nino Analyticals
Attachments: Rpt_1804370_Final_v1.pdf

Mike,

I have attached the analytical results for the AKA Santo Nino Release. Please review and upon your approval we will continue with the backfill.

Thank You

Tara Hodges

Safety & Environmental Solutions, Inc.
703 East Clinton Street
Hobbs, NM 88240
Office: (575) 397-0510



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

April 16, 2018

Bob Allen
Safety & Environmental Solutions
PO Box 1613
Hobbs, NM 88241
TEL: (575) 397-0510
FAX (575) 393-4388

RE: Aka Santo Nino

OrderNo.: 1804370

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 47 sample(s) on 4/6/2018 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 #NM0190

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

Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-1 Bottom 9ft

Project: Aka Santo Nino

Collection Date: 4/3/2018 1:15:00 PM

Lab ID: 1804370-001

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/11/2018 12:45:14 AM	37522
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/11/2018 10:20:39 AM	37496
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/11/2018 10:20:39 AM	37496
Surr: DNOP	80.5	70-130		%Rec	1	4/11/2018 10:20:39 AM	37496
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/10/2018 12:28:59 PM	37494
Surr: BFB	92.1	15-316		%Rec	1	4/10/2018 12:28:59 PM	37494
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/10/2018 12:28:59 PM	37494
Toluene	ND	0.048		mg/Kg	1	4/10/2018 12:28:59 PM	37494
Ethylbenzene	ND	0.048		mg/Kg	1	4/10/2018 12:28:59 PM	37494
Xylenes, Total	ND	0.097		mg/Kg	1	4/10/2018 12:28:59 PM	37494
Surr: 4-Bromofluorobenzene	86.7	80-120		%Rec	1	4/10/2018 12:28:59 PM	37494

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-2 South Wall

Project: Aka Santo Nino

Collection Date: 4/3/2018 1:30:00 PM

Lab ID: 1804370-002

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/11/2018 12:57:38 AM	37522
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/11/2018 11:34:09 AM	37496
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/11/2018 11:34:09 AM	37496
Surr: DNOP	94.9	70-130		%Rec	1	4/11/2018 11:34:09 AM	37496
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/10/2018 1:38:48 PM	37494
Surr: BFB	90.4	15-316		%Rec	1	4/10/2018 1:38:48 PM	37494
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/10/2018 1:38:48 PM	37494
Toluene	ND	0.047		mg/Kg	1	4/10/2018 1:38:48 PM	37494
Ethylbenzene	ND	0.047		mg/Kg	1	4/10/2018 1:38:48 PM	37494
Xylenes, Total	ND	0.094		mg/Kg	1	4/10/2018 1:38:48 PM	37494
Surr: 4-Bromofluorobenzene	85.9	80-120		%Rec	1	4/10/2018 1:38:48 PM	37494

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-3 East Wall

Project: Aka Santo Nino

Collection Date: 4/3/2018 1:50:00 PM

Lab ID: 1804370-003

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/11/2018 1:10:03 AM	37522
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/11/2018 11:58:43 AM	37496
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/11/2018 11:58:43 AM	37496
Surr: DNOP	96.3	70-130		%Rec	1	4/11/2018 11:58:43 AM	37496
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/10/2018 2:48:45 PM	37494
Surr: BFB	88.8	15-316		%Rec	1	4/10/2018 2:48:45 PM	37494
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	4/10/2018 2:48:45 PM	37494
Toluene	ND	0.046		mg/Kg	1	4/10/2018 2:48:45 PM	37494
Ethylbenzene	ND	0.046		mg/Kg	1	4/10/2018 2:48:45 PM	37494
Xylenes, Total	ND	0.093		mg/Kg	1	4/10/2018 2:48:45 PM	37494
Surr: 4-Bromofluorobenzene	85.4	80-120		%Rec	1	4/10/2018 2:48:45 PM	37494

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-4 North Wall

Project: Aka Santo Nino

Collection Date: 4/3/2018 2:10:00 PM

Lab ID: 1804370-004

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/11/2018 1:22:28 AM	37522
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/11/2018 12:23:09 PM	37496
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/11/2018 12:23:09 PM	37496
Surr: DNOP	88.4	70-130		%Rec	1	4/11/2018 12:23:09 PM	37496
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/10/2018 3:11:59 PM	37494
Surr: BFB	90.5	15-316		%Rec	1	4/10/2018 3:11:59 PM	37494
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/10/2018 3:11:59 PM	37494
Toluene	ND	0.047		mg/Kg	1	4/10/2018 3:11:59 PM	37494
Ethylbenzene	ND	0.047		mg/Kg	1	4/10/2018 3:11:59 PM	37494
Xylenes, Total	ND	0.095		mg/Kg	1	4/10/2018 3:11:59 PM	37494
Surr: 4-Bromofluorobenzene	86.0	80-120		%Rec	1	4/10/2018 3:11:59 PM	37494

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-5 Bottom 4ft

Project: Aka Santo Nino

Collection Date: 4/3/2018 2:30:00 PM

Lab ID: 1804370-005

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	82	30		mg/Kg	20	4/11/2018 1:34:53 AM	37522
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	39	10		mg/Kg	1	4/11/2018 12:47:39 PM	37496
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/11/2018 12:47:39 PM	37496
Surr: DNOP	82.4	70-130		%Rec	1	4/11/2018 12:47:39 PM	37496
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/10/2018 3:35:21 PM	37494
Surr: BFB	126	15-316		%Rec	1	4/10/2018 3:35:21 PM	37494
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/10/2018 3:35:21 PM	37494
Toluene	ND	0.048		mg/Kg	1	4/10/2018 3:35:21 PM	37494
Ethylbenzene	ND	0.048		mg/Kg	1	4/10/2018 3:35:21 PM	37494
Xylenes, Total	ND	0.096		mg/Kg	1	4/10/2018 3:35:21 PM	37494
Surr: 4-Bromofluorobenzene	86.2	80-120		%Rec	1	4/10/2018 3:35:21 PM	37494

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-6 North Wall

Project: Aka Santo Nino

Collection Date: 4/3/2018 2:50:00 PM

Lab ID: 1804370-006

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	84	30		mg/Kg	20	4/11/2018 1:47:17 AM	37522
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	40	9.8		mg/Kg	1	4/11/2018 1:12:05 PM	37496
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/11/2018 1:12:05 PM	37496
Surr: DNOP	85.9	70-130		%Rec	1	4/11/2018 1:12:05 PM	37496
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/10/2018 7:28:54 PM	37494
Surr: BFB	92.6	15-316		%Rec	1	4/10/2018 7:28:54 PM	37494
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	4/10/2018 7:28:54 PM	37494
Toluene	ND	0.050		mg/Kg	1	4/10/2018 7:28:54 PM	37494
Ethylbenzene	ND	0.050		mg/Kg	1	4/10/2018 7:28:54 PM	37494
Xylenes, Total	ND	0.10		mg/Kg	1	4/10/2018 7:28:54 PM	37494
Surr: 4-Bromofluorobenzene	87.0	80-120		%Rec	1	4/10/2018 7:28:54 PM	37494

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-7 Bottom 4ft

Project: Aka Santo Nino

Collection Date: 4/3/2018 3:15:00 PM

Lab ID: 1804370-007

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	88	30		mg/Kg	20	4/11/2018 1:59:41 AM	37522
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	33	9.0		mg/Kg	1	4/11/2018 1:36:45 PM	37496
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	4/11/2018 1:36:45 PM	37496
Surr: DNOP	80.1	70-130		%Rec	1	4/11/2018 1:36:45 PM	37496
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/10/2018 7:52:16 PM	37494
Surr: BFB	92.6	15-316		%Rec	1	4/10/2018 7:52:16 PM	37494
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	4/10/2018 7:52:16 PM	37494
Toluene	ND	0.047		mg/Kg	1	4/10/2018 7:52:16 PM	37494
Ethylbenzene	ND	0.047		mg/Kg	1	4/10/2018 7:52:16 PM	37494
Xylenes, Total	ND	0.094		mg/Kg	1	4/10/2018 7:52:16 PM	37494
Surr: 4-Bromofluorobenzene	86.6	80-120		%Rec	1	4/10/2018 7:52:16 PM	37494

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-8 West Wall

Project: Aka Santo Nino

Collection Date: 4/4/2018 8:30:00 AM

Lab ID: 1804370-008

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/11/2018 2:36:55 AM	37522
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/11/2018 2:01:24 PM	37496
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/11/2018 2:01:24 PM	37496
Surr: DNOP	84.8	70-130		%Rec	1	4/11/2018 2:01:24 PM	37496
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/10/2018 8:15:37 PM	37494
Surr: BFB	95.7	15-316		%Rec	1	4/10/2018 8:15:37 PM	37494
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/10/2018 8:15:37 PM	37494
Toluene	ND	0.049		mg/Kg	1	4/10/2018 8:15:37 PM	37494
Ethylbenzene	ND	0.049		mg/Kg	1	4/10/2018 8:15:37 PM	37494
Xylenes, Total	ND	0.097		mg/Kg	1	4/10/2018 8:15:37 PM	37494
Surr: 4-Bromofluorobenzene	87.2	80-120		%Rec	1	4/10/2018 8:15:37 PM	37494

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-9 East Wall

Project: Aka Santo Nino

Collection Date: 4/4/2018 8:45:00 AM

Lab ID: 1804370-009

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/11/2018 12:17:08 PM	37540
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/11/2018 2:26:02 PM	37496
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/11/2018 2:26:02 PM	37496
Surr: DNOP	83.2	70-130		%Rec	1	4/11/2018 2:26:02 PM	37496
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/10/2018 8:38:50 PM	37494
Surr: BFB	92.1	15-316		%Rec	1	4/10/2018 8:38:50 PM	37494
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/10/2018 8:38:50 PM	37494
Toluene	ND	0.049		mg/Kg	1	4/10/2018 8:38:50 PM	37494
Ethylbenzene	ND	0.049		mg/Kg	1	4/10/2018 8:38:50 PM	37494
Xylenes, Total	ND	0.097		mg/Kg	1	4/10/2018 8:38:50 PM	37494
Surr: 4-Bromofluorobenzene	87.0	80-120		%Rec	1	4/10/2018 8:38:50 PM	37494

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-10 Bottom 4ft

Project: Aka Santo Nino

Collection Date: 4/4/2018 9:00:00 AM

Lab ID: 1804370-010

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	87	30		mg/Kg	20	4/11/2018 12:54:22 PM	37540
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	33	10		mg/Kg	1	4/11/2018 2:50:34 PM	37496
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	4/11/2018 2:50:34 PM	37496
Surr: DNOP	85.2	70-130		%Rec	1	4/11/2018 2:50:34 PM	37496
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/10/2018 9:02:06 PM	37494
Surr: BFB	93.2	15-316		%Rec	1	4/10/2018 9:02:06 PM	37494
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	4/10/2018 9:02:06 PM	37494
Toluene	ND	0.047		mg/Kg	1	4/10/2018 9:02:06 PM	37494
Ethylbenzene	ND	0.047		mg/Kg	1	4/10/2018 9:02:06 PM	37494
Xylenes, Total	ND	0.094		mg/Kg	1	4/10/2018 9:02:06 PM	37494
Surr: 4-Bromofluorobenzene	86.0	80-120		%Rec	1	4/10/2018 9:02:06 PM	37494

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-11 West Wall

Project: Aka Santo Nino

Collection Date: 4/4/2018 9:10:00 AM

Lab ID: 1804370-011

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/11/2018 1:06:47 PM	37540
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/11/2018 3:15:12 PM	37496
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/11/2018 3:15:12 PM	37496
Surr: DNOP	88.8	70-130		%Rec	1	4/11/2018 3:15:12 PM	37496
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/10/2018 9:25:23 PM	37494
Surr: BFB	94.8	15-316		%Rec	1	4/10/2018 9:25:23 PM	37494
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/10/2018 9:25:23 PM	37494
Toluene	ND	0.047		mg/Kg	1	4/10/2018 9:25:23 PM	37494
Ethylbenzene	ND	0.047		mg/Kg	1	4/10/2018 9:25:23 PM	37494
Xylenes, Total	ND	0.095		mg/Kg	1	4/10/2018 9:25:23 PM	37494
Surr: 4-Bromofluorobenzene	88.2	80-120		%Rec	1	4/10/2018 9:25:23 PM	37494

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-12 East Wall

Project: Aka Santo Nino

Collection Date: 4/4/2018 9:20:00 AM

Lab ID: 1804370-012

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/11/2018 1:19:11 PM	37540
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/11/2018 3:39:51 PM	37496
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/11/2018 3:39:51 PM	37496
Surr: DNOP	82.7	70-130		%Rec	1	4/11/2018 3:39:51 PM	37496
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/10/2018 9:48:41 PM	37494
Surr: BFB	94.2	15-316		%Rec	1	4/10/2018 9:48:41 PM	37494
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/10/2018 9:48:41 PM	37494
Toluene	ND	0.047		mg/Kg	1	4/10/2018 9:48:41 PM	37494
Ethylbenzene	ND	0.047		mg/Kg	1	4/10/2018 9:48:41 PM	37494
Xylenes, Total	ND	0.095		mg/Kg	1	4/10/2018 9:48:41 PM	37494
Surr: 4-Bromofluorobenzene	84.8	80-120		%Rec	1	4/10/2018 9:48:41 PM	37494

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-13 Bottom 4ft

Project: Aka Santo Nino

Collection Date: 4/4/2018 9:35:00 AM

Lab ID: 1804370-013

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/11/2018 1:31:36 PM	37540
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/11/2018 4:04:30 PM	37496
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/11/2018 4:04:30 PM	37496
Surr: DNOP	88.4	70-130		%Rec	1	4/11/2018 4:04:30 PM	37496
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/10/2018 10:11:50 PM	37494
Surr: BFB	94.6	15-316		%Rec	1	4/10/2018 10:11:50 PM	37494
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/10/2018 10:11:50 PM	37494
Toluene	ND	0.049		mg/Kg	1	4/10/2018 10:11:50 PM	37494
Ethylbenzene	ND	0.049		mg/Kg	1	4/10/2018 10:11:50 PM	37494
Xylenes, Total	ND	0.098		mg/Kg	1	4/10/2018 10:11:50 PM	37494
Surr: 4-Bromofluorobenzene	87.9	80-120		%Rec	1	4/10/2018 10:11:50 PM	37494

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-14 North Wall

Project: Aka Santo Nino

Collection Date: 4/4/2018 9:45:00 AM

Lab ID: 1804370-014

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/11/2018 1:44:01 PM	37540
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/11/2018 4:29:00 PM	37496
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/11/2018 4:29:00 PM	37496
Surr: DNOP	87.9	70-130		%Rec	1	4/11/2018 4:29:00 PM	37496
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/10/2018 10:34:59 PM	37494
Surr: BFB	93.3	15-316		%Rec	1	4/10/2018 10:34:59 PM	37494
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/10/2018 10:34:59 PM	37494
Toluene	ND	0.048		mg/Kg	1	4/10/2018 10:34:59 PM	37494
Ethylbenzene	ND	0.048		mg/Kg	1	4/10/2018 10:34:59 PM	37494
Xylenes, Total	ND	0.095		mg/Kg	1	4/10/2018 10:34:59 PM	37494
Surr: 4-Bromofluorobenzene	87.4	80-120		%Rec	1	4/10/2018 10:34:59 PM	37494

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-15 North Wall

Project: Aka Santo Nino

Collection Date: 4/4/2018 10:00:00 AM

Lab ID: 1804370-015

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/11/2018 2:21:15 PM	37540
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/11/2018 4:53:36 PM	37496
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/11/2018 4:53:36 PM	37496
Surr: DNOP	90.3	70-130		%Rec	1	4/11/2018 4:53:36 PM	37496
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/10/2018 10:58:10 PM	37494
Surr: BFB	98.3	15-316		%Rec	1	4/10/2018 10:58:10 PM	37494
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/10/2018 10:58:10 PM	37494
Toluene	ND	0.049		mg/Kg	1	4/10/2018 10:58:10 PM	37494
Ethylbenzene	ND	0.049		mg/Kg	1	4/10/2018 10:58:10 PM	37494
Xylenes, Total	ND	0.098		mg/Kg	1	4/10/2018 10:58:10 PM	37494
Surr: 4-Bromofluorobenzene	89.6	80-120		%Rec	1	4/10/2018 10:58:10 PM	37494

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-16 Bottom 4ft

Project: Aka Santo Nino

Collection Date: 4/4/2018 10:10:00 AM

Lab ID: 1804370-016

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	55	30		mg/Kg	20	4/11/2018 2:33:39 PM	37540
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	100	9.9		mg/Kg	1	4/12/2018 4:56:34 PM	37496
Motor Oil Range Organics (MRO)	70	49		mg/Kg	1	4/12/2018 4:56:34 PM	37496
Surr: DNOP	131	70-130	S	%Rec	1	4/12/2018 4:56:34 PM	37496
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/11/2018 12:30:52 AM	37494
Surr: BFB	93.5	15-316		%Rec	1	4/11/2018 12:30:52 AM	37494
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	4/11/2018 12:30:52 AM	37494
Toluene	ND	0.047		mg/Kg	1	4/11/2018 12:30:52 AM	37494
Ethylbenzene	ND	0.047		mg/Kg	1	4/11/2018 12:30:52 AM	37494
Xylenes, Total	ND	0.094		mg/Kg	1	4/11/2018 12:30:52 AM	37494
Surr: 4-Bromofluorobenzene	85.9	80-120		%Rec	1	4/11/2018 12:30:52 AM	37494

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-17 West Wall

Project: Aka Santo Nino

Collection Date: 4/4/2018 10:20:00 AM

Lab ID: 1804370-017

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/11/2018 2:46:04 PM	37540
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/12/2018 5:21:12 PM	37496
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/12/2018 5:21:12 PM	37496
Surr: DNOP	93.4	70-130		%Rec	1	4/12/2018 5:21:12 PM	37496
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/11/2018 12:54:15 AM	37494
Surr: BFB	92.6	15-316		%Rec	1	4/11/2018 12:54:15 AM	37494
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	4/11/2018 12:54:15 AM	37494
Toluene	ND	0.047		mg/Kg	1	4/11/2018 12:54:15 AM	37494
Ethylbenzene	ND	0.047		mg/Kg	1	4/11/2018 12:54:15 AM	37494
Xylenes, Total	ND	0.094		mg/Kg	1	4/11/2018 12:54:15 AM	37494
Surr: 4-Bromofluorobenzene	85.0	80-120		%Rec	1	4/11/2018 12:54:15 AM	37494

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-18 East Wall

Project: Aka Santo Nino

Collection Date: 4/4/2018 10:25:00 AM

Lab ID: 1804370-018

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/11/2018 2:58:29 PM	37540
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/10/2018 1:09:18 PM	37497
Surr: BFB	107	70-130		%Rec	1	4/10/2018 1:09:18 PM	37497
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	4/12/2018 5:45:58 PM	37496
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/12/2018 5:45:58 PM	37496
Surr: DNOP	96.9	70-130		%Rec	1	4/12/2018 5:45:58 PM	37496
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.023		mg/Kg	1	4/10/2018 1:09:18 PM	37497
Toluene	ND	0.047		mg/Kg	1	4/10/2018 1:09:18 PM	37497
Ethylbenzene	ND	0.047		mg/Kg	1	4/10/2018 1:09:18 PM	37497
Xylenes, Total	ND	0.093		mg/Kg	1	4/10/2018 1:09:18 PM	37497
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	4/10/2018 1:09:18 PM	37497
Surr: Toluene-d8	86.6	70-130		%Rec	1	4/10/2018 1:09:18 PM	37497

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-19 West Wall

Project: Aka Santo Nino

Collection Date: 4/4/2018 10:35:00 AM

Lab ID: 1804370-019

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	44	30		mg/Kg	20	4/11/2018 11:27:14 PM	37549
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/10/2018 2:18:38 PM	37497
Surr: BFB	110	70-130		%Rec	1	4/10/2018 2:18:38 PM	37497
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/12/2018 6:10:34 PM	37496
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/12/2018 6:10:34 PM	37496
Surr: DNOP	95.8	70-130		%Rec	1	4/12/2018 6:10:34 PM	37496
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.024		mg/Kg	1	4/10/2018 2:18:38 PM	37497
Toluene	ND	0.047		mg/Kg	1	4/10/2018 2:18:38 PM	37497
Ethylbenzene	ND	0.047		mg/Kg	1	4/10/2018 2:18:38 PM	37497
Xylenes, Total	ND	0.094		mg/Kg	1	4/10/2018 2:18:38 PM	37497
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	1	4/10/2018 2:18:38 PM	37497
Surr: Toluene-d8	84.1	70-130		%Rec	1	4/10/2018 2:18:38 PM	37497

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-20 Bottom 4ft

Project: Aka Santo Nino

Collection Date: 4/4/2018 10:40:00 AM

Lab ID: 1804370-020

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	53	30		mg/Kg	20	4/12/2018 10:01:43 AM	37549
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/10/2018 3:28:06 PM	37497
Surr: BFB	113	70-130		%Rec	1	4/10/2018 3:28:06 PM	37497
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	79	10		mg/Kg	1	4/12/2018 6:35:18 PM	37496
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/12/2018 6:35:18 PM	37496
Surr: DNOP	86.5	70-130		%Rec	1	4/12/2018 6:35:18 PM	37496
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.025		mg/Kg	1	4/10/2018 3:28:06 PM	37497
Toluene	ND	0.049		mg/Kg	1	4/10/2018 3:28:06 PM	37497
Ethylbenzene	ND	0.049		mg/Kg	1	4/10/2018 3:28:06 PM	37497
Xylenes, Total	ND	0.099		mg/Kg	1	4/10/2018 3:28:06 PM	37497
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	1	4/10/2018 3:28:06 PM	37497
Surr: Toluene-d8	84.6	70-130		%Rec	1	4/10/2018 3:28:06 PM	37497

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-21 East Wall

Project: Aka Santo Nino

Collection Date: 4/4/2018 10:50:00 AM

Lab ID: 1804370-021

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/12/2018 10:14:08 AM	37549
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/10/2018 3:51:09 PM	37497
Surr: BFB	106	70-130		%Rec	1	4/10/2018 3:51:09 PM	37497
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	4/11/2018 4:35:08 AM	37499
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	4/11/2018 4:35:08 AM	37499
Surr: DNOP	105	70-130		%Rec	1	4/11/2018 4:35:08 AM	37499
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.024		mg/Kg	1	4/10/2018 3:51:09 PM	37497
Toluene	ND	0.047		mg/Kg	1	4/10/2018 3:51:09 PM	37497
Ethylbenzene	ND	0.047		mg/Kg	1	4/10/2018 3:51:09 PM	37497
Xylenes, Total	ND	0.094		mg/Kg	1	4/10/2018 3:51:09 PM	37497
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	4/10/2018 3:51:09 PM	37497
Surr: Toluene-d8	81.9	70-130		%Rec	1	4/10/2018 3:51:09 PM	37497

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-22 North Wall

Project: Aka Santo Nino

Collection Date: 4/4/2018 10:55:00 AM

Lab ID: 1804370-022

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	45	30		mg/Kg	20	4/12/2018 2:23:51 AM	37565
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/10/2018 4:14:11 PM	37497
Surr: BFB	108	70-130		%Rec	1	4/10/2018 4:14:11 PM	37497
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/11/2018 5:40:49 AM	37499
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/11/2018 5:40:49 AM	37499
Surr: DNOP	95.3	70-130		%Rec	1	4/11/2018 5:40:49 AM	37499
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.025		mg/Kg	1	4/10/2018 4:14:11 PM	37497
Toluene	ND	0.050		mg/Kg	1	4/10/2018 4:14:11 PM	37497
Ethylbenzene	ND	0.050		mg/Kg	1	4/10/2018 4:14:11 PM	37497
Xylenes, Total	ND	0.10		mg/Kg	1	4/10/2018 4:14:11 PM	37497
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	4/10/2018 4:14:11 PM	37497
Surr: Toluene-d8	85.3	70-130		%Rec	1	4/10/2018 4:14:11 PM	37497

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-23 Bottom 4ft

Project: Aka Santo Nino

Collection Date: 4/4/2018 11:10:00 AM

Lab ID: 1804370-023

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/12/2018 3:25:54 AM	37565
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/10/2018 4:37:14 PM	37497
Surr: BFB	114	70-130		%Rec	1	4/10/2018 4:37:14 PM	37497
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/11/2018 6:02:51 AM	37499
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/11/2018 6:02:51 AM	37499
Surr: DNOP	95.6	70-130		%Rec	1	4/11/2018 6:02:51 AM	37499
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.024		mg/Kg	1	4/10/2018 4:37:14 PM	37497
Toluene	ND	0.047		mg/Kg	1	4/10/2018 4:37:14 PM	37497
Ethylbenzene	ND	0.047		mg/Kg	1	4/10/2018 4:37:14 PM	37497
Xylenes, Total	ND	0.094		mg/Kg	1	4/10/2018 4:37:14 PM	37497
Surr: 4-Bromofluorobenzene	115	70-130		%Rec	1	4/10/2018 4:37:14 PM	37497
Surr: Toluene-d8	84.3	70-130		%Rec	1	4/10/2018 4:37:14 PM	37497

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-24 West Wall

Project: Aka Santo Nino

Collection Date: 4/4/2018 11:15:00 AM

Lab ID: 1804370-024

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/12/2018 3:38:18 AM	37565
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/10/2018 5:00:21 PM	37497
Surr: BFB	112	70-130		%Rec	1	4/10/2018 5:00:21 PM	37497
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	4/11/2018 6:24:51 AM	37499
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/11/2018 6:24:51 AM	37499
Surr: DNOP	108	70-130		%Rec	1	4/11/2018 6:24:51 AM	37499
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.025		mg/Kg	1	4/10/2018 5:00:21 PM	37497
Toluene	ND	0.049		mg/Kg	1	4/10/2018 5:00:21 PM	37497
Ethylbenzene	ND	0.049		mg/Kg	1	4/10/2018 5:00:21 PM	37497
Xylenes, Total	ND	0.098		mg/Kg	1	4/10/2018 5:00:21 PM	37497
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	4/10/2018 5:00:21 PM	37497
Surr: Toluene-d8	85.5	70-130		%Rec	1	4/10/2018 5:00:21 PM	37497

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-25 Bottom 4ft

Project: Aka Santo Nino

Collection Date: 4/4/2018 11:25:00 AM

Lab ID: 1804370-025

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/12/2018 3:50:43 AM	37565
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/10/2018 5:23:31 PM	37497
Surr: BFB	109	70-130		%Rec	1	4/10/2018 5:23:31 PM	37497
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	4/12/2018 11:52:53 PM	37499
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/12/2018 11:52:53 PM	37499
Surr: DNOP	76.6	70-130		%Rec	1	4/12/2018 11:52:53 PM	37499
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.024		mg/Kg	1	4/10/2018 5:23:31 PM	37497
Toluene	ND	0.047		mg/Kg	1	4/10/2018 5:23:31 PM	37497
Ethylbenzene	ND	0.047		mg/Kg	1	4/10/2018 5:23:31 PM	37497
Xylenes, Total	ND	0.095		mg/Kg	1	4/10/2018 5:23:31 PM	37497
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	4/10/2018 5:23:31 PM	37497
Surr: Toluene-d8	77.0	70-130		%Rec	1	4/10/2018 5:23:31 PM	37497

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-26 South Wall

Project: Aka Santo Nino

Collection Date: 4/4/2018 11:35:00 AM

Lab ID: 1804370-026

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/12/2018 4:03:07 AM	37565
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/10/2018 5:46:34 PM	37497
Surr: BFB	114	70-130		%Rec	1	4/10/2018 5:46:34 PM	37497
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/12/2018 11:28:31 PM	37499
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/12/2018 11:28:31 PM	37499
Surr: DNOP	75.6	70-130		%Rec	1	4/12/2018 11:28:31 PM	37499
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.025		mg/Kg	1	4/10/2018 5:46:34 PM	37497
Toluene	ND	0.049		mg/Kg	1	4/10/2018 5:46:34 PM	37497
Ethylbenzene	ND	0.049		mg/Kg	1	4/10/2018 5:46:34 PM	37497
Xylenes, Total	ND	0.099		mg/Kg	1	4/10/2018 5:46:34 PM	37497
Surr: 4-Bromofluorobenzene	115	70-130		%Rec	1	4/10/2018 5:46:34 PM	37497
Surr: Toluene-d8	85.8	70-130		%Rec	1	4/10/2018 5:46:34 PM	37497

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-27 North Wall

Project: Aka Santo Nino

Collection Date: 4/4/2018 11:40:00 AM

Lab ID: 1804370-027

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/12/2018 4:15:32 AM	37565
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/10/2018 6:09:41 PM	37497
Surr: BFB	112	70-130		%Rec	1	4/10/2018 6:09:41 PM	37497
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/12/2018 11:04:06 PM	37499
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/12/2018 11:04:06 PM	37499
Surr: DNOP	73.8	70-130		%Rec	1	4/12/2018 11:04:06 PM	37499
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.024		mg/Kg	1	4/10/2018 6:09:41 PM	37497
Toluene	ND	0.048		mg/Kg	1	4/10/2018 6:09:41 PM	37497
Ethylbenzene	ND	0.048		mg/Kg	1	4/10/2018 6:09:41 PM	37497
Xylenes, Total	ND	0.096		mg/Kg	1	4/10/2018 6:09:41 PM	37497
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	4/10/2018 6:09:41 PM	37497
Surr: Toluene-d8	85.1	70-130		%Rec	1	4/10/2018 6:09:41 PM	37497

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-28 Bottom 4ft

Project: Aka Santo Nino

Collection Date: 4/4/2018 11:50:00 AM

Lab ID: 1804370-028

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	49	30		mg/Kg	20	4/12/2018 4:27:56 AM	37565
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/10/2018 6:32:46 PM	37497
Surr: BFB	113	70-130		%Rec	1	4/10/2018 6:32:46 PM	37497
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	79	9.7		mg/Kg	1	4/12/2018 10:39:49 PM	37499
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/12/2018 10:39:49 PM	37499
Surr: DNOP	75.2	70-130		%Rec	1	4/12/2018 10:39:49 PM	37499
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.024		mg/Kg	1	4/10/2018 6:32:46 PM	37497
Toluene	ND	0.048		mg/Kg	1	4/10/2018 6:32:46 PM	37497
Ethylbenzene	ND	0.048		mg/Kg	1	4/10/2018 6:32:46 PM	37497
Xylenes, Total	ND	0.096		mg/Kg	1	4/10/2018 6:32:46 PM	37497
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	1	4/10/2018 6:32:46 PM	37497
Surr: Toluene-d8	84.7	70-130		%Rec	1	4/10/2018 6:32:46 PM	37497

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-29 West Wall

Project: Aka Santo Nino

Collection Date: 4/4/2018 12:00:00 PM

Lab ID: 1804370-029

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/12/2018 4:40:21 AM	37565
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/10/2018 6:55:50 PM	37497
Surr: BFB	111	70-130		%Rec	1	4/10/2018 6:55:50 PM	37497
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/12/2018 10:15:24 PM	37499
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/12/2018 10:15:24 PM	37499
Surr: DNOP	83.7	70-130		%Rec	1	4/12/2018 10:15:24 PM	37499
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.023		mg/Kg	1	4/10/2018 6:55:50 PM	37497
Toluene	ND	0.047		mg/Kg	1	4/10/2018 6:55:50 PM	37497
Ethylbenzene	ND	0.047		mg/Kg	1	4/10/2018 6:55:50 PM	37497
Xylenes, Total	ND	0.093		mg/Kg	1	4/10/2018 6:55:50 PM	37497
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	4/10/2018 6:55:50 PM	37497
Surr: Toluene-d8	87.9	70-130		%Rec	1	4/10/2018 6:55:50 PM	37497

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-30 East Wall

Project: Aka Santo Nino

Collection Date: 4/4/2018 12:05:00 PM

Lab ID: 1804370-030

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/12/2018 4:52:46 AM	37565
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/10/2018 7:18:54 PM	37497
Surr: BFB	119	70-130		%Rec	1	4/10/2018 7:18:54 PM	37497
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/12/2018 9:51:08 PM	37499
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/12/2018 9:51:08 PM	37499
Surr: DNOP	85.9	70-130		%Rec	1	4/12/2018 9:51:08 PM	37499
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.025		mg/Kg	1	4/10/2018 7:18:54 PM	37497
Toluene	ND	0.049		mg/Kg	1	4/10/2018 7:18:54 PM	37497
Ethylbenzene	ND	0.049		mg/Kg	1	4/10/2018 7:18:54 PM	37497
Xylenes, Total	ND	0.098		mg/Kg	1	4/10/2018 7:18:54 PM	37497
Surr: 4-Bromofluorobenzene	120	70-130		%Rec	1	4/10/2018 7:18:54 PM	37497
Surr: Toluene-d8	87.1	70-130		%Rec	1	4/10/2018 7:18:54 PM	37497

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-31 Bottom 4ft

Project: Aka Santo Nino

Collection Date: 4/4/2018 12:20:00 PM

Lab ID: 1804370-031

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	160	30		mg/Kg	20	4/12/2018 5:05:11 AM	37565
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/10/2018 7:41:51 PM	37497
Surr: BFB	112	70-130		%Rec	1	4/10/2018 7:41:51 PM	37497
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	36	9.9		mg/Kg	1	4/12/2018 9:26:40 PM	37499
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/12/2018 9:26:40 PM	37499
Surr: DNOP	81.0	70-130		%Rec	1	4/12/2018 9:26:40 PM	37499
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.024		mg/Kg	1	4/10/2018 7:41:51 PM	37497
Toluene	ND	0.049		mg/Kg	1	4/10/2018 7:41:51 PM	37497
Ethylbenzene	ND	0.049		mg/Kg	1	4/10/2018 7:41:51 PM	37497
Xylenes, Total	ND	0.098		mg/Kg	1	4/10/2018 7:41:51 PM	37497
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	4/10/2018 7:41:51 PM	37497
Surr: Toluene-d8	74.1	70-130		%Rec	1	4/10/2018 7:41:51 PM	37497

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-32 East Wall

Project: Aka Santo Nino

Collection Date: 4/4/2018 12:30:00 PM

Lab ID: 1804370-032

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/12/2018 5:17:35 AM	37565
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/10/2018 8:04:56 PM	37497
Surr: BFB	117	70-130		%Rec	1	4/10/2018 8:04:56 PM	37497
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	4/12/2018 9:02:15 PM	37499
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	4/12/2018 9:02:15 PM	37499
Surr: DNOP	80.8	70-130		%Rec	1	4/12/2018 9:02:15 PM	37499
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.024		mg/Kg	1	4/10/2018 8:04:56 PM	37497
Toluene	ND	0.049		mg/Kg	1	4/10/2018 8:04:56 PM	37497
Ethylbenzene	ND	0.049		mg/Kg	1	4/10/2018 8:04:56 PM	37497
Xylenes, Total	ND	0.098		mg/Kg	1	4/10/2018 8:04:56 PM	37497
Surr: 4-Bromofluorobenzene	118	70-130		%Rec	1	4/10/2018 8:04:56 PM	37497
Surr: Toluene-d8	86.1	70-130		%Rec	1	4/10/2018 8:04:56 PM	37497

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-33 West Wall

Project: Aka Santo Nino

Collection Date: 4/4/2018 12:35:00 PM

Lab ID: 1804370-033

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/12/2018 5:54:48 AM	37565
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/10/2018 8:28:01 PM	37497
Surr: BFB	119	70-130		%Rec	1	4/10/2018 8:28:01 PM	37497
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	4/12/2018 8:37:43 PM	37499
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/12/2018 8:37:43 PM	37499
Surr: DNOP	79.4	70-130		%Rec	1	4/12/2018 8:37:43 PM	37499
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.023		mg/Kg	1	4/10/2018 8:28:01 PM	37497
Toluene	ND	0.047		mg/Kg	1	4/10/2018 8:28:01 PM	37497
Ethylbenzene	ND	0.047		mg/Kg	1	4/10/2018 8:28:01 PM	37497
Xylenes, Total	ND	0.093		mg/Kg	1	4/10/2018 8:28:01 PM	37497
Surr: 4-Bromofluorobenzene	121	70-130		%Rec	1	4/10/2018 8:28:01 PM	37497
Surr: Toluene-d8	90.5	70-130		%Rec	1	4/10/2018 8:28:01 PM	37497

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-34 Bottom 4ft

Project: Aka Santo Nino

Collection Date: 4/4/2018 1:00:00 PM

Lab ID: 1804370-034

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	150	30		mg/Kg	20	4/12/2018 6:07:13 AM	37565
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/10/2018 8:51:03 PM	37497
Surr: BFB	114	70-130		%Rec	1	4/10/2018 8:51:03 PM	37497
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	32	9.9		mg/Kg	1	4/12/2018 8:13:25 PM	37499
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/12/2018 8:13:25 PM	37499
Surr: DNOP	77.9	70-130		%Rec	1	4/12/2018 8:13:25 PM	37499
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.024		mg/Kg	1	4/10/2018 8:51:03 PM	37497
Toluene	ND	0.048		mg/Kg	1	4/10/2018 8:51:03 PM	37497
Ethylbenzene	ND	0.048		mg/Kg	1	4/10/2018 8:51:03 PM	37497
Xylenes, Total	ND	0.096		mg/Kg	1	4/10/2018 8:51:03 PM	37497
Surr: 4-Bromofluorobenzene	115	70-130		%Rec	1	4/10/2018 8:51:03 PM	37497
Surr: Toluene-d8	85.4	70-130		%Rec	1	4/10/2018 8:51:03 PM	37497

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-35 North Wall

Project: Aka Santo Nino

Collection Date: 4/4/2018 1:20:00 PM

Lab ID: 1804370-035

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/12/2018 6:19:37 AM	37565
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/10/2018 10:46:22 PM	37497
Surr: BFB	114	70-130		%Rec	1	4/10/2018 10:46:22 PM	37497
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/12/2018 7:48:49 PM	37499
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/12/2018 7:48:49 PM	37499
Surr: DNOP	89.2	70-130		%Rec	1	4/12/2018 7:48:49 PM	37499
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.024		mg/Kg	1	4/10/2018 10:46:22 PM	37497
Toluene	ND	0.048		mg/Kg	1	4/10/2018 10:46:22 PM	37497
Ethylbenzene	ND	0.048		mg/Kg	1	4/10/2018 10:46:22 PM	37497
Xylenes, Total	ND	0.096		mg/Kg	1	4/10/2018 10:46:22 PM	37497
Surr: 4-Bromofluorobenzene	115	70-130		%Rec	1	4/10/2018 10:46:22 PM	37497
Surr: Toluene-d8	90.8	70-130		%Rec	1	4/10/2018 10:46:22 PM	37497

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-36 South Wall

Project: Aka Santo Nino

Collection Date: 4/5/2018 8:30:00 AM

Lab ID: 1804370-036

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/12/2018 6:32:02 AM	37565
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/10/2018 11:09:21 PM	37497
Surr: BFB	125	70-130		%Rec	1	4/10/2018 11:09:21 PM	37497
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	35	9.4		mg/Kg	1	4/12/2018 7:24:26 PM	37499
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/12/2018 7:24:26 PM	37499
Surr: DNOP	94.5	70-130		%Rec	1	4/12/2018 7:24:26 PM	37499
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.025		mg/Kg	1	4/10/2018 11:09:21 PM	37497
Toluene	ND	0.050		mg/Kg	1	4/10/2018 11:09:21 PM	37497
Ethylbenzene	ND	0.050		mg/Kg	1	4/10/2018 11:09:21 PM	37497
Xylenes, Total	ND	0.10		mg/Kg	1	4/10/2018 11:09:21 PM	37497
Surr: 4-Bromofluorobenzene	127	70-130		%Rec	1	4/10/2018 11:09:21 PM	37497
Surr: Toluene-d8	89.6	70-130		%Rec	1	4/10/2018 11:09:21 PM	37497

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-37 North Wall

Project: Aka Santo Nino

Collection Date: 4/5/2018 8:50:00 AM

Lab ID: 1804370-037

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/12/2018 6:44:27 AM	37565
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/10/2018 11:32:26 PM	37497
Surr: BFB	116	70-130		%Rec	1	4/10/2018 11:32:26 PM	37497
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/12/2018 6:59:53 PM	37499
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	4/12/2018 6:59:53 PM	37499
Surr: DNOP	97.0	70-130		%Rec	1	4/12/2018 6:59:53 PM	37499
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.025		mg/Kg	1	4/10/2018 11:32:26 PM	37497
Toluene	ND	0.050		mg/Kg	1	4/10/2018 11:32:26 PM	37497
Ethylbenzene	ND	0.050		mg/Kg	1	4/10/2018 11:32:26 PM	37497
Xylenes, Total	ND	0.10		mg/Kg	1	4/10/2018 11:32:26 PM	37497
Surr: 4-Bromofluorobenzene	117	70-130		%Rec	1	4/10/2018 11:32:26 PM	37497
Surr: Toluene-d8	90.9	70-130		%Rec	1	4/10/2018 11:32:26 PM	37497

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-38 South Wall

Project: Aka Santo Nino

Collection Date: 4/5/2018 9:10:00 AM

Lab ID: 1804370-038

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/12/2018 6:56:51 AM	37565
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/11/2018 1:04:38 AM	37500
Surr: BFB	117	70-130		%Rec	1	4/11/2018 1:04:38 AM	37500
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/11/2018 2:23:38 PM	37508
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/11/2018 2:23:38 PM	37508
Surr: DNOP	97.8	70-130		%Rec	1	4/11/2018 2:23:38 PM	37508
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.024		mg/Kg	1	4/11/2018 1:04:38 AM	37500
Toluene	ND	0.047		mg/Kg	1	4/11/2018 1:04:38 AM	37500
Ethylbenzene	ND	0.047		mg/Kg	1	4/11/2018 1:04:38 AM	37500
Xylenes, Total	ND	0.094		mg/Kg	1	4/11/2018 1:04:38 AM	37500
Surr: 4-Bromofluorobenzene	119	70-130		%Rec	1	4/11/2018 1:04:38 AM	37500
Surr: Toluene-d8	86.3	70-130		%Rec	1	4/11/2018 1:04:38 AM	37500

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-39 North Wall

Project: Aka Santo Nino

Collection Date: 4/5/2018 9:30:00 AM

Lab ID: 1804370-039

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/12/2018 7:09:15 AM	37565
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/11/2018 2:13:46 AM	37500
Surr: BFB	117	70-130		%Rec	1	4/11/2018 2:13:46 AM	37500
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	4/11/2018 3:29:59 PM	37508
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/11/2018 3:29:59 PM	37508
Surr: DNOP	97.6	70-130		%Rec	1	4/11/2018 3:29:59 PM	37508
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.024		mg/Kg	1	4/11/2018 2:13:46 AM	37500
Toluene	ND	0.048		mg/Kg	1	4/11/2018 2:13:46 AM	37500
Ethylbenzene	ND	0.048		mg/Kg	1	4/11/2018 2:13:46 AM	37500
Xylenes, Total	ND	0.096		mg/Kg	1	4/11/2018 2:13:46 AM	37500
Surr: 4-Bromofluorobenzene	118	70-130		%Rec	1	4/11/2018 2:13:46 AM	37500
Surr: Toluene-d8	91.5	70-130		%Rec	1	4/11/2018 2:13:46 AM	37500

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-40 South Wall

Project: Aka Santo Nino

Collection Date: 4/5/2018 9:50:00 AM

Lab ID: 1804370-040

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/12/2018 7:21:41 AM	37565
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/11/2018 3:23:01 AM	37500
Surr: BFB	116	70-130		%Rec	1	4/11/2018 3:23:01 AM	37500
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/11/2018 3:52:03 PM	37508
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/11/2018 3:52:03 PM	37508
Surr: DNOP	93.7	70-130		%Rec	1	4/11/2018 3:52:03 PM	37508
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.025		mg/Kg	1	4/11/2018 3:23:01 AM	37500
Toluene	ND	0.049		mg/Kg	1	4/11/2018 3:23:01 AM	37500
Ethylbenzene	ND	0.049		mg/Kg	1	4/11/2018 3:23:01 AM	37500
Xylenes, Total	ND	0.099		mg/Kg	1	4/11/2018 3:23:01 AM	37500
Surr: 4-Bromofluorobenzene	117	70-130		%Rec	1	4/11/2018 3:23:01 AM	37500
Surr: Toluene-d8	88.4	70-130		%Rec	1	4/11/2018 3:23:01 AM	37500

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-41 Bottom 4ft

Project: Aka Santo Nino

Collection Date: 4/5/2018 10:26:00 AM

Lab ID: 1804370-041

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/12/2018 3:45:13 PM	37569
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/11/2018 3:46:01 AM	37500
Surr: BFB	109	70-130		%Rec	1	4/11/2018 3:46:01 AM	37500
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/11/2018 4:14:12 PM	37508
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/11/2018 4:14:12 PM	37508
Surr: DNOP	92.9	70-130		%Rec	1	4/11/2018 4:14:12 PM	37508
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.024		mg/Kg	1	4/11/2018 3:46:01 AM	37500
Toluene	ND	0.048		mg/Kg	1	4/11/2018 3:46:01 AM	37500
Ethylbenzene	ND	0.048		mg/Kg	1	4/11/2018 3:46:01 AM	37500
Xylenes, Total	ND	0.096		mg/Kg	1	4/11/2018 3:46:01 AM	37500
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	4/11/2018 3:46:01 AM	37500
Surr: Toluene-d8	90.0	70-130		%Rec	1	4/11/2018 3:46:01 AM	37500

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-42 North Wall

Project: Aka Santo Nino

Collection Date: 4/5/2018 10:35:00 AM

Lab ID: 1804370-042

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/12/2018 4:34:52 PM	37569
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/11/2018 4:09:05 AM	37500
Surr: BFB	116	70-130		%Rec	1	4/11/2018 4:09:05 AM	37500
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	25	10		mg/Kg	1	4/11/2018 4:36:13 PM	37508
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	4/11/2018 4:36:13 PM	37508
Surr: DNOP	97.1	70-130		%Rec	1	4/11/2018 4:36:13 PM	37508
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.024		mg/Kg	1	4/11/2018 4:09:05 AM	37500
Toluene	ND	0.048		mg/Kg	1	4/11/2018 4:09:05 AM	37500
Ethylbenzene	ND	0.048		mg/Kg	1	4/11/2018 4:09:05 AM	37500
Xylenes, Total	ND	0.097		mg/Kg	1	4/11/2018 4:09:05 AM	37500
Surr: 4-Bromofluorobenzene	118	70-130		%Rec	1	4/11/2018 4:09:05 AM	37500
Surr: Toluene-d8	88.6	70-130		%Rec	1	4/11/2018 4:09:05 AM	37500

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-43 South Wall

Project: Aka Santo Nino

Collection Date: 4/5/2018 11:00:00 AM

Lab ID: 1804370-043

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/12/2018 4:47:17 PM	37569
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/11/2018 4:32:11 AM	37500
Surr: BFB	113	70-130		%Rec	1	4/11/2018 4:32:11 AM	37500
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	20	10		mg/Kg	1	4/11/2018 4:58:22 PM	37508
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/11/2018 4:58:22 PM	37508
Surr: DNOP	97.5	70-130		%Rec	1	4/11/2018 4:58:22 PM	37508
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.024		mg/Kg	1	4/11/2018 4:32:11 AM	37500
Toluene	ND	0.049		mg/Kg	1	4/11/2018 4:32:11 AM	37500
Ethylbenzene	ND	0.049		mg/Kg	1	4/11/2018 4:32:11 AM	37500
Xylenes, Total	ND	0.097		mg/Kg	1	4/11/2018 4:32:11 AM	37500
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	4/11/2018 4:32:11 AM	37500
Surr: Toluene-d8	77.7	70-130		%Rec	1	4/11/2018 4:32:11 AM	37500

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-44 Bottom 4ft

Project: Aka Santo Nino

Collection Date: 4/5/2018 11:20:00 AM

Lab ID: 1804370-044

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	38	30		mg/Kg	20	4/12/2018 4:59:41 PM	37569
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/11/2018 4:55:13 AM	37500
Surr: BFB	115	70-130		%Rec	1	4/11/2018 4:55:13 AM	37500
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	87	9.7		mg/Kg	1	4/11/2018 5:20:35 PM	37508
Motor Oil Range Organics (MRO)	61	49		mg/Kg	1	4/11/2018 5:20:35 PM	37508
Surr: DNOP	99.6	70-130		%Rec	1	4/11/2018 5:20:35 PM	37508
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.024		mg/Kg	1	4/11/2018 4:55:13 AM	37500
Toluene	ND	0.048		mg/Kg	1	4/11/2018 4:55:13 AM	37500
Ethylbenzene	ND	0.048		mg/Kg	1	4/11/2018 4:55:13 AM	37500
Xylenes, Total	ND	0.097		mg/Kg	1	4/11/2018 4:55:13 AM	37500
Surr: 4-Bromofluorobenzene	116	70-130		%Rec	1	4/11/2018 4:55:13 AM	37500
Surr: Toluene-d8	85.2	70-130		%Rec	1	4/11/2018 4:55:13 AM	37500

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-45 Bottom 4ft

Project: Aka Santo Nino

Collection Date: 4/5/2018 11:55:00 AM

Lab ID: 1804370-045

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/12/2018 5:12:05 PM	37569
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/11/2018 5:18:17 AM	37500
Surr: BFB	114	70-130		%Rec	1	4/11/2018 5:18:17 AM	37500
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	4/11/2018 5:42:58 PM	37508
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/11/2018 5:42:58 PM	37508
Surr: DNOP	98.3	70-130		%Rec	1	4/11/2018 5:42:58 PM	37508
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.023		mg/Kg	1	4/11/2018 5:18:17 AM	37500
Toluene	ND	0.046		mg/Kg	1	4/11/2018 5:18:17 AM	37500
Ethylbenzene	ND	0.046		mg/Kg	1	4/11/2018 5:18:17 AM	37500
Xylenes, Total	ND	0.093		mg/Kg	1	4/11/2018 5:18:17 AM	37500
Surr: 4-Bromofluorobenzene	115	70-130		%Rec	1	4/11/2018 5:18:17 AM	37500
Surr: Toluene-d8	90.7	70-130		%Rec	1	4/11/2018 5:18:17 AM	37500

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-46 North Wall

Project: Aka Santo Nino

Collection Date: 4/5/2018 12:10:00 PM

Lab ID: 1804370-046

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/12/2018 5:49:18 PM	37569
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/11/2018 5:41:19 AM	37500
Surr: BFB	112	70-130		%Rec	1	4/11/2018 5:41:19 AM	37500
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/11/2018 6:05:16 PM	37508
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/11/2018 6:05:16 PM	37508
Surr: DNOP	102	70-130		%Rec	1	4/11/2018 6:05:16 PM	37508
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.023		mg/Kg	1	4/11/2018 5:41:19 AM	37500
Toluene	ND	0.046		mg/Kg	1	4/11/2018 5:41:19 AM	37500
Ethylbenzene	ND	0.046		mg/Kg	1	4/11/2018 5:41:19 AM	37500
Xylenes, Total	ND	0.093		mg/Kg	1	4/11/2018 5:41:19 AM	37500
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	4/11/2018 5:41:19 AM	37500
Surr: Toluene-d8	90.3	70-130		%Rec	1	4/11/2018 5:41:19 AM	37500

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 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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Analytical Report

Lab Order 1804370

Date Reported: 4/16/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-47 South Wall

Project: Aka Santo Nino

Collection Date: 4/5/2018 12:20:00 PM

Lab ID: 1804370-047

Matrix: SOIL

Received Date: 4/6/2018 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	4/12/2018 6:01:43 PM	37569
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/11/2018 6:04:21 AM	37500
Surr: BFB	112	70-130		%Rec	1	4/11/2018 6:04:21 AM	37500
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/11/2018 6:27:37 PM	37508
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/11/2018 6:27:37 PM	37508
Surr: DNOP	95.7	70-130		%Rec	1	4/11/2018 6:27:37 PM	37508
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.023		mg/Kg	1	4/11/2018 6:04:21 AM	37500
Toluene	ND	0.047		mg/Kg	1	4/11/2018 6:04:21 AM	37500
Ethylbenzene	ND	0.047		mg/Kg	1	4/11/2018 6:04:21 AM	37500
Xylenes, Total	ND	0.094		mg/Kg	1	4/11/2018 6:04:21 AM	37500
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	4/11/2018 6:04:21 AM	37500
Surr: Toluene-d8	86.6	70-130		%Rec	1	4/11/2018 6:04:21 AM	37500

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 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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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1804370

16-Apr-18

Client: Safety & Environmental Solutions**Project:** Aka Santo Nino

Sample ID	MB-37522		SampType:	mblk		TestCode:	EPA Method 300.0: Anions				
Client ID:	PBS		Batch ID:	37522		RunNo:	50455				
Prep Date:	4/10/2018		Analysis Date:	4/10/2018		SeqNo:	1636135		Units:	mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	ND	1.5									

Sample ID	LCS-37522		SampType: Ics		TestCode: EPA Method 300.0: Anions					
Client ID:	LCSS		Batch ID: 37522		RunNo: 50455					
Prep Date:	4/10/2018		Analysis Date: 4/10/2018		SeqNo: 1636136		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.4	90	110			

Sample ID	MB-37565		SampType:	mblk		TestCode:	EPA Method 300.0: Anions				
Client ID:	PBS		Batch ID:	37565		RunNo:	50516				
Prep Date:	4/11/2018		Analysis Date:	4/12/2018		SeqNo:	1638177		Units:	mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	ND	1.5									

Sample ID	LCS-37565		SampType: lcs		TestCode: EPA Method 300.0: Anions					
Client ID:	LCSS		Batch ID: 37565		RunNo: 50516					
Prep Date:	4/11/2018		Analysis Date: 4/12/2018		SeqNo: 1638179		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.6	90	110			

Sample ID	MB-37540		SampType:	mblk		TestCode:	EPA Method 300.0: Anions				
Client ID:	PBS		Batch ID:	37540		RunNo:	50519				
Prep Date:	4/11/2018		Analysis Date:	4/11/2018		SeqNo:	1638382		Units:	mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	ND	1.5									

Sample ID	LCS-37540		SampType: lcs		TestCode: EPA Method 300.0: Anions					
Client ID:	LCSS		Batch ID: 37540		RunNo: 50519					
Prep Date:	4/11/2018		Analysis Date: 4/11/2018		SeqNo: 1638383		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.4	90	110			

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 Quantitative 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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1804370

16-Apr-18

Client: Safety & Environmental Solutions

Project: Aka Santo Nino

Sample ID	MB-37549	SampType:	mblk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	37549	RunNo:	50519					
Prep Date:	4/11/2018	Analysis Date:	4/11/2018	SeqNo:	1638413	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-37549	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	37549	RunNo:	50519					
Prep Date:	4/11/2018	Analysis Date:	4/11/2018	SeqNo:	1638414	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.1	90	110			

Sample ID	MB-37569	SampType:	mblk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	37569	RunNo:	50515					
Prep Date:	4/12/2018	Analysis Date:	4/12/2018	SeqNo:	1638842	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-37569	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	37569	RunNo:	50515					
Prep Date:	4/12/2018	Analysis Date:	4/12/2018	SeqNo:	1638843	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	99.4	90	110			

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 Quantitative 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

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1804370

16-Apr-18

Client: Safety & Environmental Solutions**Project:** Aka Santo Nino

Sample ID	1804370-021AMS	SampType:	MS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	SP-21 East Wall	Batch ID:	37499	RunNo:	50425					
Prep Date:	4/9/2018	Analysis Date:	4/11/2018	SeqNo:	1635879	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	8.9	44.72	0	97.6	55.8	125			
Surr: DNOP	4.1		4.472		92.5	70	130			

Sample ID	1804370-021AMSD	SampType:	MSD	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	SP-21 East Wall	Batch ID:	37499	RunNo:	50425					
Prep Date:	4/9/2018	Analysis Date:	4/11/2018	SeqNo:	1635880	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	8.5	42.55	0	96.4	55.8	125	6.13	20	
Surr: DNOP	4.0		4.255		93.1	70	130	0	0	

Sample ID	LCS-37499	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	37499	RunNo:	50425					
Prep Date:	4/9/2018	Analysis Date:	4/11/2018	SeqNo:	1635885	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.7	70	130			
Surr: DNOP	4.4		5.000		88.8	70	130			

Sample ID	MB-37499	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	37499	RunNo:	50425					
Prep Date:	4/9/2018	Analysis Date:	4/11/2018	SeqNo:	1635887	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		103	70	130			

Sample ID	LCS-37496	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	37496	RunNo:	50459					
Prep Date:	4/9/2018	Analysis Date:	4/11/2018	SeqNo:	1636431	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.2	70	130			
Surr: DNOP	3.8		5.000		75.5	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 Quantitative 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

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1804370

16-Apr-18

Client: Safety & Environmental Solutions**Project:** Aka Santo Nino

Sample ID	MB-37496		SampType:	MBLK		TestCode:	EPA Method 8015M/D: Diesel Range Organics			
Client ID:	PBS		Batch ID:	37496		RunNo:	50459			
Prep Date:	4/9/2018		Analysis Date:	4/11/2018		SeqNo:	1636432		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.6		10.00		85.6	70	130			

Sample ID	1804370-001AMS		SampType:	MS		TestCode:	EPA Method 8015M/D: Diesel Range Organics			
Client ID:	SP-1 Bottom 9ft		Batch ID:	37496		RunNo:	50459			
Prep Date:	4/9/2018		Analysis Date:	4/11/2018		SeqNo:	1636558		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	9.4	46.86	0	104	55.8	125			
Surr: DNOP	3.6		4.686		77.1	70	130			

Sample ID	1804370-001AMSD		SampType:	MSD		TestCode:	EPA Method 8015M/D: Diesel Range Organics			
Client ID:	SP-1 Bottom 9ft		Batch ID:	37496		RunNo:	50459			
Prep Date:	4/9/2018		Analysis Date:	4/11/2018		SeqNo:	1636559		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	9.8	49.02	0	101	55.8	125	1.50	20	
Surr: DNOP	3.8		4.902		77.9	70	130	0	0	

Sample ID	LCS-37508		SampType:	LCS		TestCode:	EPA Method 8015M/D: Diesel Range Organics			
Client ID:	LCSS		Batch ID:	37508		RunNo:	50425			
Prep Date:	4/10/2018		Analysis Date:	4/11/2018		SeqNo:	1636734		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.6	70	130			
Surr: DNOP	4.5		5.000		89.6	70	130			

Sample ID	MB-37508		SampType:	MBLK		TestCode:	EPA Method 8015M/D: Diesel Range Organics			
Client ID:	PBS		Batch ID:	37508		RunNo:	50425			
Prep Date:	4/10/2018		Analysis Date:	4/11/2018		SeqNo:	1636735		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.6		10.00		96.1	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 Quantitative 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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1804370

16-Apr-18

Client: Safety & Environmental Solutions
Project: Aka Santo Nino

Sample ID	1804370-038AMS	SampType:	MS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	SP-38 South Wall	Batch ID:	37508	RunNo:	50425					
Prep Date:	4/10/2018	Analysis Date:	4/11/2018	SeqNo:	1637050	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.15	0	94.5	55.8	125			
Surr: DNOP	4.5		5.015		90.7	70	130			

Sample ID	1804370-038AMSD	SampType:	MSD	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	SP-38 South Wall	Batch ID:	37508	RunNo:	50425					
Prep Date:	4/10/2018	Analysis Date:	4/11/2018	SeqNo:	1637051	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	9.8	48.92	0	95.1	55.8	125	1.86	20	
Surr: DNOP	4.1		4.892		83.5	70	130	0	0	

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 Quantitative 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

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QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 1804370
16-Apr-18

Client: Safety & Environmental Solutions
Project: Aka Santo Nino

Sample ID	MB-37494	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range						
Client ID:	PBS	Batch ID:	37494	RunNo:	50436						
Prep Date:	4/9/2018	Analysis Date:	4/10/2018	SeqNo:	1635720	Units:	mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	ND	5.0									
Surr: BFB	970		1000		96.8	15	316				

Sample ID	LCS-37494	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range						
Client ID:	LCSS	Batch ID:	37494	RunNo:	50436						
Prep Date:	4/9/2018	Analysis Date:	4/10/2018	SeqNo:	1635721	Units:	mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	28	5.0	25.00	0	112	75.9	131				
Surr: BFB	1100		1000		105	15	316				

Sample ID	1804370-002AMS	SampType:	MS	TestCode:	EPA Method 8015D: Gasoline Range						
Client ID:	SP-2 South Wall	Batch ID:	37494	RunNo:	50436						
Prep Date:	4/9/2018	Analysis Date:	4/10/2018	SeqNo:	1635724	Units:	mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	28	4.8	24.22	0	117	77.8	128				
Surr: BFB	1000		969.0		105	15	316				

Sample ID	1804370-002AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Gasoline Range						
Client ID:	SP-2 South Wall	Batch ID:	37494	RunNo:	50436						
Prep Date:	4/9/2018	Analysis Date:	4/10/2018	SeqNo:	1635725	Units:	mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	28	4.8	23.95	0	116	77.8	128	1.26	20		
Surr: BFB	970		957.9		101	15	316	0	0		

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 Quantitative 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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1804370

16-Apr-18

Client: Safety & Environmental Solutions
Project: Aka Santo Nino

Sample ID	MB-37494		SampType: MBLK		TestCode: EPA Method 8021B: Volatiles					
Client ID:	PBS		Batch ID: 37494		RunNo: 50436					
Prep Date:	4/9/2018		Analysis Date: 4/10/2018		SeqNo: 1635758		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.88		1.000		88.2	80	120			

Sample ID	LCS-37494			SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS			Batch ID:	37494		RunNo:	50436			
Prep Date:	4/9/2018			Analysis Date:	4/10/2018		SeqNo:	1635759		Units:	mg/Kg
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.98	0.025	1.000	0	98.0	77.3	128				
Toluene	0.97	0.050	1.000	0	97.3	79.2	125				
Ethylbenzene	0.96	0.050	1.000	0	96.3	80.7	127				
Xylenes, Total	3.0	0.10	3.000	0	98.8	81.6	129				
Surr: 4-Bromofluorobenzene	0.90		1.000		90.3	80	120				

Sample ID	1804370-001AMS		SampType: MS		TestCode: EPA Method 8021B: Volatiles					
Client ID:	SP-1 Bottom 9ft		Batch ID: 37494		RunNo: 50436					
Prep Date:	4/9/2018		Analysis Date: 4/10/2018		SeqNo: 1635761		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.023	0.9346	0	104	68.5	133			
Toluene	0.98	0.047	0.9346	0	105	75	130			
Ethylbenzene	0.98	0.047	0.9346	0	105	79.4	128			
Xylenes, Total	3.0	0.093	2.804	0	107	77.3	131			
Surr: 4-Bromofluorobenzene	0.84		0.9346		89.4	80	120			

Sample ID	1804370-001AMSD		SampType: MSD		TestCode: EPA Method 8021B: Volatiles					
Client ID:	SP-1 Bottom 9ft		Batch ID: 37494		RunNo: 50436					
Prep Date:	4/9/2018		Analysis Date: 4/10/2018		SeqNo: 1635762		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.023	0.9302	0	108	68.5	133	3.05	20	
Toluene	1.0	0.047	0.9302	0	109	75	130	2.94	20	
Ethylbenzene	1.0	0.047	0.9302	0	108	79.4	128	2.40	20	
Xylenes, Total	3.1	0.093	2.791	0	111	77.3	131	2.75	20	
Surr: 4-Bromofluorobenzene	0.81		0.9302		87.4	80	120	0	0	

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 Quantitative 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

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1804370

16-Apr-18

Client: Safety & Environmental Solutions**Project:** Aka Santo Nino

Sample ID	1804370-018ams		SampType:	MS4		TestCode:	EPA Method 8260B: Volatiles Short List			
Client ID:	SP-18 East Wall		Batch ID:	37497		RunNo:	50454			
Prep Date:	4/9/2018		Analysis Date:	4/10/2018		SeqNo:	1636028		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.023	0.9320	0	102	80	120			
Toluene	1.0	0.047	0.9320	0	109	80	120			
Ethylbenzene	1.1	0.047	0.9320	0	120	80	120			S
Xylenes, Total	3.3	0.093	2.796	0.02383	118	80	120			
Surr: 4-Bromofluorobenzene	0.44		0.4660		95.4	70	130			
Surr: Toluene-d8	0.40		0.4660		84.9	70	130			

Sample ID	1804370-018amsd		SampType:	MSD4		TestCode:	EPA Method 8260B: Volatiles Short List			
Client ID:	SP-18 East Wall		Batch ID:	37497		RunNo:	50454			
Prep Date:	4/9/2018		Analysis Date:	4/10/2018		SeqNo:	1636029		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9911	0	103	80	120	7.41	0	
Toluene	1.1	0.050	0.9911	0	114	80	120	10.5	0	
Ethylbenzene	1.3	0.050	0.9911	0	128	80	120	12.3	0	S
Xylenes, Total	3.7	0.099	2.973	0.02383	123	80	120	10.7	0	S
Surr: 4-Bromofluorobenzene	0.45		0.4955		91.1	70	130	0	0	
Surr: Toluene-d8	0.42		0.4955		85.4	70	130	0	0	

Sample ID	1804370-038ams		SampType:	MS4		TestCode:	EPA Method 8260B: Volatiles Short List			
Client ID:	SP-38 South Wall		Batch ID:	37500		RunNo:	50454			
Prep Date:	4/9/2018		Analysis Date:	4/11/2018		SeqNo:	1636050		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.023	0.9390	0	89.0	80	120			
Toluene	0.91	0.047	0.9390	0	96.8	80	120			
Ethylbenzene	0.99	0.047	0.9390	0	105	80	120			
Xylenes, Total	2.9	0.094	2.817	0.02334	103	80	120			
Surr: 4-Bromofluorobenzene	0.46		0.4695		96.9	70	130			
Surr: Toluene-d8	0.40		0.4695		85.2	70	130			

Sample ID	1804370-038amsd		SampType:	MSD4		TestCode:	EPA Method 8260B: Volatiles Short List			
Client ID:	SP-38 South Wall		Batch ID:	37500		RunNo:	50454			
Prep Date:	4/9/2018		Analysis Date:	4/11/2018		SeqNo:	1636051		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.024	0.9690	0	94.0	80	120	8.64	0	
Toluene	0.95	0.048	0.9690	0	98.3	80	120	4.63	0	
Ethylbenzene	1.1	0.048	0.9690	0	111	80	120	8.40	0	
Xylenes, Total	3.1	0.097	2.907	0.02334	107	80	120	6.86	0	

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 Quantitative 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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1804370

16-Apr-18

Client: Safety & Environmental Solutions

Project: Aka Santo Nino

Sample ID	1804370-038amsd	SampType:	MSD4	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	SP-38 South Wall	Batch ID:	37500	RunNo:	50454					
Prep Date:	4/9/2018	Analysis Date:	4/11/2018	SeqNo:	1636051	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.45		0.4845		92.4	70	130	0	0	
Surr: Toluene-d8	0.43		0.4845		89.3	70	130	0	0	

Sample ID	ics-37500	SampType:	LCS4	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	BatchQC	Batch ID:	37500	RunNo:	50454					
Prep Date:	4/9/2018	Analysis Date:	4/11/2018	SeqNo:	1636066	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.4	80	120			
Toluene	0.94	0.050	1.000	0	94.2	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 4-Bromofluorobenzene	0.54		0.5000		109	70	130			
Surr: Toluene-d8	0.46		0.5000		91.5	70	130			

Sample ID	mb-37497	SampType:	MBLK	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	PBS	Batch ID:	37497	RunNo:	50454					
Prep Date:	4/9/2018	Analysis Date:	4/10/2018	SeqNo:	1636067	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.53		0.5000		106	70	130			
Surr: Toluene-d8	0.43		0.5000		86.1	70	130			

Sample ID	mb-37500	SampType:	MBLK	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	PBS	Batch ID:	37500	RunNo:	50454					
Prep Date:	4/9/2018	Analysis Date:	4/11/2018	SeqNo:	1636068	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.57		0.5000		114	70	130			
Surr: Toluene-d8	0.45		0.5000		89.7	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 Quantitative 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#: 1804370

16-Apr-18

Client: Safety & Environmental Solutions

Project: Aka Santo Nino

Sample ID	lcs-37497	SampType:	LCS4	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	BatchQC	Batch ID:	37497	RunNo:	50454					
Prep Date:	4/9/2018	Analysis Date:	4/10/2018	SeqNo:	1636108	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	102	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	1.2	0.050	1.000	0	117	80	120			
Xylenes, Total	3.4	0.10	3.000	0	112	80	120			
Surr: 4-Bromofluorobenzene	0.47		0.5000		93.4	70	130			
Surr: Toluene-d8	0.42		0.5000		84.4	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 Quantitative 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

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1804370

16-Apr-18

Client: Safety & Environmental Solutions**Project:** Aka Santo Nino

Sample ID	1804370-019ams	SampType:	MS	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	SP-19 West Wall	Batch ID:	37497	RunNo:	50454					
Prep Date:	4/9/2018	Analysis Date:	4/10/2018	SeqNo:	1635983	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.7	23.26	0	112	64.7	142			
Surr: BFB	450		465.1		97.0	70	130			

Sample ID	1804370-019amsd	SampType:	MSD	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	SP-19 West Wall	Batch ID:	37497	RunNo:	50454					
Prep Date:	4/9/2018	Analysis Date:	4/10/2018	SeqNo:	1635984	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.6	23.21	0	123	64.7	142	8.60	20	
Surr: BFB	510		464.3		110	70	130	0	0	

Sample ID	1804370-039ams	SampType:	MS	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	SP-39 North Wall	Batch ID:	37500	RunNo:	50454					
Prep Date:	4/9/2018	Analysis Date:	4/11/2018	SeqNo:	1636005	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.8	23.88	0	91.9	64.7	142			
Surr: BFB	490		477.6		102	70	130			

Sample ID	1804370-039amsd	SampType:	MSD	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	SP-39 North Wall	Batch ID:	37500	RunNo:	50454					
Prep Date:	4/9/2018	Analysis Date:	4/11/2018	SeqNo:	1636006	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.7	23.52	0	91.5	64.7	142	1.95	20	
Surr: BFB	480		470.4		102	70	130	0	0	

Sample ID	lcs-37497	SampType:	LCS	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	LCSS	Batch ID:	37497	RunNo:	50454					
Prep Date:	4/9/2018	Analysis Date:	4/10/2018	SeqNo:	1636019	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	70	130			
Surr: BFB	490		500.0		97.1	70	130			

Sample ID	lcs-37500	SampType:	LCS	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	LCSS	Batch ID:	37500	RunNo:	50454					
Prep Date:	4/9/2018	Analysis Date:	4/10/2018	SeqNo:	1636020	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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 Quantitative 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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1804370

16-Apr-18

Client: Safety & Environmental Solutions

Project: Aka Santo Nino

Sample ID	lcs-37500		SampType: LCS			TestCode: EPA Method 8015D Mod: Gasoline Range				
Client ID:	LCSS		Batch ID: 37500			RunNo: 50454				
Prep Date:	4/9/2018		Analysis Date: 4/10/2018			SeqNo: 1636020		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.5	70	130			
Surr: BFB	510		500.0		102	70	130			

Sample ID	mb-37497		SampType: MBLK			TestCode: EPA Method 8015D Mod: Gasoline Range				
Client ID:	PBS		Batch ID: 37497			RunNo: 50454				
Prep Date:	4/9/2018		Analysis Date: 4/10/2018			SeqNo: 1636021		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	520		500.0		105	70	130			

Sample ID	mb-37500		SampType: MBLK			TestCode: EPA Method 8015D Mod: Gasoline Range				
Client ID:	PBS		Batch ID: 37500			RunNo: 50454				
Prep Date:	4/9/2018		Analysis Date: 4/11/2018			SeqNo: 1636022		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	560		500.0		113	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 Quantitative 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

Page 59 of 59



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: Safety Env Solutions

Work Order Number: 1804370

RcptNo: 1

Received By: Erin Melendrez 4/6/2018 9:15:00 AM

Completed By: Ashley Gallegos 4/6/2018 2:16:33 PM

Reviewed By: *DD**MW 4/6/18*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*
(<2 unless noted)
Adjusted? *yes*
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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.8	Good	Yes			

Chain-of-Custody Record

Client: Safety & Environmental

Solution

Mailing Address: 703 E. ClintonAlbuquerque NM 88240Phone #: 575-347-0570

email or Fax#:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other☐ EDD (Type)

Turn-Around Time:

☐ Standard ☒ RushProject Name: AKASanto Nino

Project #:

RCC-18-001

Project Manager:

Albany Bob

Sampler:

Santa JerryOn Ice: ☒ Yes ☐ NoSample Temperature: 4.8

Container Type and #

Preservative Type

HEAL No.

1804370

Date

Time

Sample Request ID

Matrix

Date

Time

Relinquished by:

Relinquished by:

Date:

Time:

Date:

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Chain-of-Custody Record

Client: City of Albuquerque
Zolotarev
 Mailing Address: 703 E. Clinton
Albuquerque, NM 87240
 Phone #: 575-347-0510

email or Fax#: _____
 QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)
 Accreditation ☐ NELAP ☐ Other _____
☐ EDD (Type) _____

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
8/1/04	0935	S	SP-13 Bottom dff	1	NEGAT	1804370
	0945		SP-14 North well	1		-013
	1000		SP-15 North well	1		-014
	1010		SP-16 Bottom dff	1		-015
	1020		SP-17 West well	1		-016
	1025		SP-18 East well	1		-017
	1035		SP-19 West well	1		-018
	1040		SP-20 Bottom dff	1		-019
	1050		SP-21 East well	1		-020
	1055		SP-22 North well	1		-021
	1110		SP-23 Bottom dff	1		-022
8/10/04	1115	S	SP-24 West well	1		-023
						-024

Date: _____ Time: _____
 Relinquished by: Jose Gung

Date: _____ Time: _____
 Relinquished by: _____

Turn-Around Time: 5 Day Rush
☒ Standard ☒ Rush

Project Name: AKA
Santa Nino

Project #: ROC-18-001

Project Manager: Allen Bob

Sampler: Jose Gung
 On Ice: ☒ Yes ☐ No
 Sample Temperature: 4.8

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

BTX + MTBE + TMB's (8021)	<input checked="" type="checkbox"/>
BTX + MTBE + TPH (Gas only)	<input checked="" type="checkbox"/>
TPH 8015B (GRO / DRO / MRO)	<input checked="" type="checkbox"/>
TPH (Method 418.1)	<input type="checkbox"/>
EDB (Method 504.1)	<input type="checkbox"/>
PAH's (8310 or 8270 SIMS)	<input type="checkbox"/>
RCRA 8 Metals	<input type="checkbox"/>
Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	<input type="checkbox"/>
8081 Pesticides / 8082 PCB's	<input type="checkbox"/>
8260B (VOA)	<input type="checkbox"/>
8270 (Semi-VOA)	<input checked="" type="checkbox"/>
Air Bubbles (Y or N)	<input type="checkbox"/>

Remarks:

Received by: Walt Date: 4/10/18 Time: 0915

Received by: _____ Date: _____ Time: _____

Chain-of-Custody Record

Client: Safety & Environmental Solutions

Mailing Address: 703 East Clinton
Albuquerque NM 87240

Phone #: 505-347-0570

email or Fax#:

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

Accreditation ☐ NELAP ☐ Other

☐ EDD (Type)

Date	Time	Matrix	Sample Request ID
04/05	0850	S	SP-37 North wall
04/05	0910	S	SP-38 South wall
04/05	0930	S	SP-39 North wall
04/05	0950	S	SP-40 South wall
04/05	1015	S	SP-41 Bottom 4ft
04/05	1035	S	SP-42 North wall
04/05	1100	S	SP-43 South wall
04/05	1120	S	SP-44 Bottom 4ft
04/05	1155	S	SP-45 Bottom 4ft
04/05	1210	S	SP-46 North wall
04/05	1220	S	SP-47 South wall

Date: 04/05/18 Time: 1700

Date: 04/05/18 Time: 1700

Relinquished by: SPN Juv

Relinquished by: SPN Juv

Turn-Around Time: 5 Day Per 11

☐ Standard ☒ Rush

Project Name: SP-47

Project #: RDC-18-001

Project Manager: Alfonso Pab

Sampler: SPN Juv

On Ice: ☒ Yes ☐ No

Sample Temperature: 43

Container Type and #

Preservative Type

HEAL No. 1804376

1

NEAT

-037

-038

-039

-040

-041

-042

-043

-044

-045

-046

-047

Received by: SPN Juv Date: 4/6/18 Time: 0915

Received by: SPN Juv Date: 4/6/18 Time: 0915



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

BTX + MTBE + TMB's (8021)	BTX + MTBE + TMB's (8021)	BTX + MTBE + TMB's (8021)
BTX + MTBE + TPH (Gas only)	BTX + MTBE + TPH (Gas only)	BTX + MTBE + TPH (Gas only)
TPH 8015B (GRO / DRO / MRO)	TPH 8015B (GRO / DRO / MRO)	TPH 8015B (GRO / DRO / MRO)
TPH (Method 418.1)	TPH (Method 418.1)	TPH (Method 418.1)
EDB (Method 504.1)	EDB (Method 504.1)	EDB (Method 504.1)
PAH's (8310 or 8270 SIMS)	PAH's (8310 or 8270 SIMS)	PAH's (8310 or 8270 SIMS)
RCRA 8 Metals	RCRA 8 Metals	RCRA 8 Metals
Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)
8081 Pesticides / 8082 PCB's	8081 Pesticides / 8082 PCB's	8081 Pesticides / 8082 PCB's
8260B (VOA)	8260B (VOA)	8260B (VOA)
8270 (Semi-VOA)	8270 (Semi-VOA)	8270 (Semi-VOA)
Air Bubbles (Y or N)	Air Bubbles (Y or N)	Air Bubbles (Y or N)

Remarks:

Bratcher, Mike, EMNRD

From: Bratcher, Mike, EMNRD
Sent: Wednesday, May 2, 2018 8:29 AM
To: 'Tara Hodges'
Cc: ballen@sesi-nm.com; scontreras@sesi-nm.com
Subject: RE: AKA Santo Nino Analyticals

RE: Frontier Field Services * Santo Nino 8" Steel Pipeline * Release Discovered: 1/4/18

Based on the analytical data provided, OCD approves backfill for this site. Federal sites will require like approval from BLM.

Thank you for the RP number Tara.

Mike Bratcher
NMOCD District 2
811 South First Street
Artesia, NM 88210
575-748-1283 Ext 108

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Tara Hodges <office2@sesi-nm.com>
Sent: Wednesday, May 2, 2018 7:53 AM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: ballen@sesi-nm.com; scontreras@sesi-nm.com
Subject: AKA Santo Nino Analyticals

Mike,

I have attached the analytical results for the AKA Santo Nino Release. Please review and upon your approval we will continue with the backfill.

Thank You

Tara Hodges

Safety & Environmental Solutions, Inc.
703 East Clinton Street
Hobbs, NM 88240
Office: (575) 397-0510

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 385945

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC P.O. Drawer 70 Artesia, NM 88211	OGRID: 236992
	Action Number: 385945
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Historical document upload.	9/23/2024