

RECEIVED

By Alameda County Environmental Health 2:51 pm, Sep 14, 2017

Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Document Transmittal
German Autocraft, 301 East 14th Street, San Leandro, California
AC LOP Case #2783; Fuel Leak Case No. RO0000302; Global ID T0600100639

Dear Sir or Ma'am:

I have read and acknowledge the content, recommendations and/or conclusions contained in the attached document or report submitted on my behalf to ACDEH's FTP server and the SWRCB's GeoTracker Website.

Sincerely,



Seung Tae Lee
Owner, German Autocraft



September 11, 2017
Project No. 2076-0301-01

Mr. Mark Detterman, P.G., C.E.G.
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: Well Installation and Site Assessment Report
German Autocraft Facility
301 East 14th Street
San Leandro, California

Dear Mr. Detterman:

Stratus Environmental, Inc. (Stratus) has prepared this *Well Installation and Site Assessment Report (Report)*, on behalf of Mr. Seung Lee, for the German Autocraft Facility (the Site), located at 301 East 14th Street, San Leandro, California (see Figures 1 and 2). Subsurface petroleum hydrocarbon impact to soil and groundwater has previously been identified in the vicinity of the Site, and Alameda County Environmental Health Department (ACEHD) currently regulates an environmental case at this property. At the request of ACEHD personnel, Stratus prepared and submitted a *Corrective Action Work Plan (Work Plan)*, dated June 13, 2016, that proposed to install 10 ozone injection (OI) wells at the Site and implement OI remediation at the subject property. After reviewing this *Work Plan*, ACEHD issued a letter dated August 3, 2016, that generally approved, with comments, the approved scope of work. ACEHD requested, however, that an OI pilot test be performed, instead of implementing this remedial approach full-scale. This report documents installation of the injection wells that were used during the OI pilot test and presents findings of soil and grab groundwater sampling conducted during the drilling activities. The findings of the OI pilot test will be provided at a later date, in a separate report.

SITE DESCRIPTION

The property is located on the southern corner of the intersection of East 14th Street and Garcia Avenue in the City of San Leandro (Figure 2). Available records indicate that the property was used as a retail gasoline service station until 1981. According to historical documents prepared by previous consultants representing Mr. Lee, the property has been exclusively used for automotive repair since 1981. Mr. Lee purchased the property on April 15, 1985. In September 1990, six single-walled steel underground storage tanks (USTs) (two 1,000-gallon and two 2,000-gallon USTs previously used to store unleaded

gasoline, one 550-gallon UST previously used to store regular gasoline, and one 150-gallon UST previously used to store waste oil) were removed from the property and properly disposed. In addition, the fuel dispenser island and associated product lines were removed at that time. The general configuration of the Site is shown on Figure 2. The area surrounding the Site is mixed commercial and moderate density residential.

According to the State Water Resource Control Board's (SWRCB's) GeoTracker database, numerous other contaminated properties under the ACEHD's regulatory oversight are present in the immediate vicinity of German Autocraft. Sunshine Cleaners, a dry cleaning business located at 223 East 14th Street, approximately 130 feet north-northwest of the Site, has had an open (but predominately inactive) environmental case since 1993; that site is currently in the assessment phase for chlorinated solvents. San Leandro Chrysler-Plymouth, formerly located at 232 East 14th Street, northeast across 14th Street from German Autocraft, had a leaking UST environmental case open until 1997. In addition, the former Monument Gas station, located at 111 East 14th Street, approximately 375 feet north-northwest of German Autocraft, had a leaking UST case open until 2005. The Monument Gas case assessed groundwater contamination offsite to the southeast of that site (along Farrelly Drive) until closure.

SCOPE OF WORK

The objectives of the work were to:

- Install injection wells needed to implement OI pilot testing.
- Further assess the extent of impact to soil and groundwater beneath the subject property.

To accomplish these objectives, Stratus implemented the following work activities:

- Drilled and installed ten (10) injection wells (IW-1 through IW-10) to depths ranging from approximately 33 to 35 feet below ground surface (bgs) using hollow stem augers.
- Collected soil samples during the advancement of each boring for lithologic comparison and chemical analysis.
- Collected a grab groundwater sample from each well boring prior to conversion of the boring to an injection well.

Prior to implementation of field activities, a well installation permit was obtained from ACEHD. Drilling locations were marked 48 hours prior to fieldwork. Underground Service Alert, the ACEHD, and Mr. Lee were notified 48 hours prior to beginning work activities. Standard field practices and procedures for field work tasks performed during

drilling work are described in Appendix A. All work was conducted under the direct supervision of a State of California Professional Geologist.

Field Activities

Soil Borings

A Stratus geologist was onsite to oversee Penecore Drilling, Inc. (C-57 #906899) complete the drilling activities between September 26 and 29, 2016. The well borings were advanced using a truck mounted drilling rig equipped with 8-inch diameter hollow stem augers. Each boring was converted to an ozone injection well, as described below. The approximate locations of each well are depicted on Figure 2.

The initial 5 feet of the well borings were advanced with hand tools to reduce the possibility of damaging underground utilities. Soil cores were retained continuously through the length of the boring within acetate liners installed within a direct push coring device. Soil samples were collected at select intervals by cutting the acetate liners into 6-inch length segments. The ends of each sample were lined with Teflon™ sheets, capped, and sealed. Each sample was labeled, placed in a resealable plastic bag, and stored in an ice-chilled cooler. Strict chain-of-custody procedures were followed from the time the samples were collected until the time the samples were relinquished to the laboratory.

Soils were classified onsite using the Unified Soil Classification System. Boring logs detailing soil lithologies encountered during this investigation are presented in Appendix B. Soil boring logs have also been uploaded to the State of California's Geotracker database; Appendix D includes documentation to confirm uploading of these boring logs.

Grab groundwater samples were collected from the base of each borehole using a new, clean disposable bailer. The sampled groundwater were transferred to glass vials (VOAs) containing a hydrochloric acid preservative. Each VOA was labeled, identified on a chain-of-custody form, and stored in an ice-chilled cooler until delivered to the laboratory.

Ozone Injection Well Installation

Wells IW-1 through IW-10 were constructed using 1-inch diameter schedule 80 riser pipe connected to a 24-inch length ceramic gas diffuser manufactured by Diffused Gas Technologies, Inc. Soil types observed within the saturated zone were used to assess the depth for placement of the gas diffusers. The diffusers were situated at depths ranging from 31 to 33 feet bgs to 33 to 35 feet bgs. A filter pack of #2/12 sand was placed around the ceramic gas diffuser, from the base of the borehole to approximately one foot above

the top of the diffuser. Approximately two feet of bentonite was subsequently placed on top of the sand filter pack to provide a transition seal for the wells. The remaining annular space in the boreholes was backfilled with neat cement. A traffic rated vault box was placed over the wells, and a PVC slip cap was placed on top of the well casing. Well construction details for IW-1 through IW-10 are provided in Appendix B, and summarized on Table 1. Well completion reports for each ozone injection well were completed and filed with the Department of Water Resources (DWR) and ACEHD.

Analytical Methods

Samples were forwarded to a state-certified analytical laboratory (Alpha Analytical, Inc., ELAP No. 2019) for chemical analysis under proper chain-of-custody. The samples were analyzed for gasoline range organics (GRO) using EPA Method SW8015B/SW8260B, and for benzene, toluene, ethylbenzene, and total xylenes (BTEX compounds) using EPA Method SW8260B. Soil samples collected above 10 feet bgs were additionally analyzed for naphthalene using EPA Method SW8260B. Soil analytical results are summarized on Table 2 and groundwater analytical results are summarized on Table 3. Certified Analytical Results and Chain-of-Custody Records are provided in Appendix C. Analytical data has also been uploaded to the GeoTracker Database, and documentation of this data uploading is provided in Appendix D.

FINDINGS

Geology/Hydrogeology

Previous investigations at the Site have recorded generally fine-grained soil conditions between the surface and approximately 25 to 30 feet bgs, with sand and gravel recorded at approximately 25 to 35 feet bgs. In addition, a thin sand layer has been recorded at approximately 12 to 15 feet bgs in most onsite borings. During the current investigation, soil conditions were consistent with the previous soil logging. Groundwater was first encountered in soil borings IW-1 through IW-10 between 24 and 28 feet bgs.

Soil Analytical Results

VOCs were not detected by photoionization detector (PID) in any soil samples recovered above 15 feet bgs, and petroleum hydrocarbons (including benzene, ethylbenzene, and naphthalene) were not reported in any soil samples submitted to the laboratory above 10 feet bgs. The highest concentrations of petroleum hydrocarbons were detected in soil samples collected between 25 and 30 feet bgs. At borings IW-5 through IW-9, maximum GRO concentrations were reported between 1,800 milligrams per kilogram (mg/Kg) and 12,000 mg/Kg. Lower levels of GRO were reported in samples collected from borings IW-1 through IW-4 and IW-10 (see Table 2). Benzene was only reported in one sample (IW-9, 30 feet bgs, at 13 mg/Kg).

Grab Groundwater Analytical Results

Petroleum hydrocarbons were detected in all 10 water samples collected during this phase of investigation. The highest concentrations of GRO (210,000 micrograms per liter [$\mu\text{g/L}$]) and benzene (4,200 $\mu\text{g/L}$) were detected in the sample collected from boring IW-9.

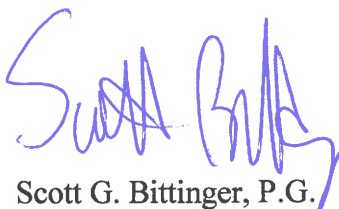
LIMITATIONS

This document was prepared in general accordance with accepted standards of care that existed at the time this work was performed. No other warranty, expressed or implied, is made. Conclusions and recommendations are based on field observations and data obtained from this work and previous investigations. It should be recognized that definition and evaluation of geologic conditions is a difficult and somewhat inexact science. Judgments leading to conclusions and recommendations are generally made with an incomplete knowledge of the subsurface conditions present. More extensive studies may be performed to reduce uncertainties. This document is solely for the use and information of our client unless otherwise noted.


If you have any questions or comments concerning this *Report*, please contact Gowri Kowtha at (530) 676-6001.

Sincerely,

STRATUS ENVIRONMENTAL, INC.


Scott G. Bittinger, P.G.
Project Geologist




Gowri S. Kowtha, P.E.
Principal Engineer

Attachments:	Table 1	Well Construction and Soil Boring Summary
	Table 2	Soil Analytical Results
	Table 3	Grab Groundwater Sample Analytical Results
	Figure 1	Site Location Map
	Figure 2	Site Plan

Mr. Mark Detterman, ACEHD
Well Installation and Site Assessment Report
301 East 14th Street, San Leandro, California
Page 6

September 11, 2017
Project No. 2076-0301-01

Appendix A Field Practices and Procedures
Appendix B Soil Boring Logs and Well Construction Details
Appendix C Certified Analytical Reports and Chain-of-Custody
Documentation
Appendix D GeoTracker Data Upload Confirmation Sheets

cc: Mr. Seung Lee, German Autocraft

TABLE 1

WELL CONSTRUCTION AND SOIL BORING SUMMARY

German Autocraft, 301 E. 14th Street, San Leandro, California

Boring/Well I.D.	Date	Boring Depth (feet bgs)	Boring Diameter (inches)	Well Diameter (inches)	Well Depth (feet)	Screen Interval (feet bgs)	Slot Size (inches)	Drilling Method	Consultant
Groundwater Monitoring Wells									
MW-1*	12/17/91	45	8	2	45	25-45	0.02	HSA	Environmental Const. Co.
MW-2	12/12/94	38	8	2	34	24-34	0.010	HSA	Chemist Enterprises
MW-3	12/12/94	38	8	2	35.5	25.5-35.5	0.010	HSA	Chemist Enterprises
MW-4*	08/31/95	36.5	8	2	34	24-34	0.010	HSA	Chemist Enterprises
MW-1A	05/21/97	35	8	2	35	20-35	0.010	HSA	ALLCAL Prop. Serv. Inc.
MW-5	08/28/98	31.5	8	2	30	20-30	0.020	HSA	Env. Testing & Mgmt.
MW-6**	08/27/98	36.5	8	2	35	20-35	0.020	HSA	Env. Testing & Mgmt.
MW-8	08/27/98	31.5	8	2	30	20-30	0.020	HSA	Env. Testing & Mgmt.
MW-9	08/31/98	36.5	8	2	35	20-35	0.020	HSA	Env. Testing & Mgmt.
MW-10	08/28/98	41.5	8	2	40	20-40	0.020	HSA	Env. Testing & Mgmt.
MW-11	08/28/98	36.5	8	2	35	20-35	0.020	HSA	Env. Testing & Mgmt.
MW-12	01/30/01	39.5	8	2	38	23-38	0.020	HSA	Env. Testing & Mgmt.
MW-13	01/30/01	39.5	8	2	38	23-38	0.020	HSA	Env. Testing & Mgmt.
MW-14	01/31/01	31.5	8	2	30	20-30	0.020	HSA	Env. Testing & Mgmt.
MW-15	09/25/14	35	8	2	35	20-35	0.020	HSA	Stratus Environmental, Inc.
141 Farrelly	1949	--	--	6	65	25-65	unknown	unknown	
Soil Borings¹									
B-1	12/11/90	35	8	--	--	--	--	HSA	Environmental Const. Co.
B-2	12/10/90	35	8	--	--	--	--	HSA	Environmental Const. Co.
B-3	12/10/90	35	8	--	--	--	--	HSA	Environmental Const. Co.
CE-1	12/13/94	30	8	--	--	--	--	HSA	Chemist Enterprises
CE-2	12/13/94	24.5	8	--	--	--	--	HSA	Chemist Enterprises
ETM-1	11/28/95	37	1	--	--	--	--	Geoprobe	Env. Testing & Mgmt.
ETM-2	11/28/95	30	1	--	--	--	--	Geoprobe	Env. Testing & Mgmt.
ETM-5	29/95	27	1	--	--	--	--	Geoprobe	Env. Testing & Mgmt.
ETM-6	11/29/95	29	1	--	--	--	--	Geoprobe	Env. Testing & Mgmt.
ETM-6	11/29/95	28	1	--	--	--	--	Geoprobe	Env. Testing & Mgmt.
ETM-10	11/30/95	27.3	1.5	--	--	--	--	Pneumatic	Env. Testing & Mgmt.
ETM-11	11/30/95	27.3	1.5	--	--	--	--	Pneumatic	Env. Testing & Mgmt.
ETM-17	03/25/96	30	1.5	--	--	--	--	Pneumatic	Env. Testing & Mgmt.
ETM-19	03/25/96	30	1.5	--	--	--	--	Pneumatic	Env. Testing & Mgmt.
ETM-21	03/26/96	24.5	1.5	--	--	--	--	Pneumatic	Env. Testing & Mgmt.
ETM-22	03/26/96	24.5	1.5	--	--	--	--	Pneumatic	Env. Testing & Mgmt.

TABLE 1

WELL CONSTRUCTION AND SOIL BORING SUMMARY

German Autocraft, 301 E. 14th Street, San Leandro, California

Boring/Well I.D.	Date	Boring Depth (feet bgs)	Boring Diameter (inches)	Well Diameter (inches)	Well Depth (feet)	Screen Interval (feet bgs)	Slot Size (inches)	Drilling Method	Consultant
<i>Soil Borings¹</i>									
B-4	01/24/11	32	1.5	--	--	--	--	Geoprobe	Stratus Environmental, Inc.
B-5	01/24/11	32	1.5	--	--	--	--	Geoprobe	Stratus Environmental, Inc.
B-6	10/23/14	6	3	--	--	--	--	Hand Auger	Stratus Environmental, Inc.
HP-1	09/26/14	38	2.5	--	--	--	--	Geoprobe	Stratus Environmental, Inc.
HP-2	09/26/14	35	2.5	--	--	--	--	Geoprobe	Stratus Environmental, Inc.
<i>Soil Vapor Points</i>									
SV-1	01/06/09	30	2	0.25	6.0 13.5	5.5-6.0 13.0-13.5	-- --	Stratoprobe	Groundwater Cleaners, Inc.
SV-2	01/06/09	30	2	0.25	6.0 13.0	5.5-6.0 12.5-13.0	-- --	Stratoprobe	Groundwater Cleaners, Inc.
SV-3	01/08/09	30	2	0.25	5.5 13.5	5.0-5.5 13.0-13.5	-- --	Stratoprobe	Groundwater Cleaners, Inc.
SV-4	01/08/09	14.5	2	0.25	5.25 14.5	4.75-5.25 14.0-14.5	-- --	Stratoprobe	Groundwater Cleaners, Inc.
SV-5	01/07/09	24	2	0.25	5.25 14.0	4.75-5.25 13.5-14.0	-- --	Stratoprobe	Groundwater Cleaners, Inc.
SV-6	01/07/09	35	2	0.25	5.5 12.0	5.0-5.5 11.5-12.0	-- --	Stratoprobe	Groundwater Cleaners, Inc.
SV-7	01/06/08	30	2	0.25	6.0 13.0	5.5-6.0 12.5-13.0	-- --	Stratoprobe	Groundwater Cleaners, Inc.
SV-8	01/08/09	14	2	0.25	5.25 14.0	4.75-5.25 13.5-14.0	-- --	Stratoprobe	Groundwater Cleaners, Inc.
VP-1	09/25/14	6	2	0.25	6.0	5.5	--	Geoprobe	Stratus Environmental, Inc.
VP-2	09/25/14	6	2	0.25	6.0	5.5	--	Geoprobe	Stratus Environmental, Inc.
VP-7	09/25/14	6	2	0.25	6.0	5.5	--	Geoprobe	Stratus Environmental, Inc.
VP-8	09/25/14	6	2	0.25	6.0	5.5	--	Geoprobe	Stratus Environmental, Inc.
VP-9	09/25/14	6	2	0.25	6.0	5.5	--	Geoprobe	Stratus Environmental, Inc.

TABLE 1

WELL CONSTRUCTION AND SOIL BORING SUMMARY

German Autocraft, 301 E. 14th Street, San Leandro, California

Boring/Well I.D.	Date	Boring Depth (feet bgs)	Boring Diameter (inches)	Well Diameter (inches)	Well Depth (feet)	Screen Interval (feet bgs)	Slot Size (inches)	Drilling Method	Consultant
<i>Ozone Injection Wells</i>									
IW-1	09/29/16	34	8	1	34	32-34	microporous	HSA	Stratus Environmental, Inc.
IW-2	09/27/16	35	8	1	35	33-35	microporous	HSA	Stratus Environmental, Inc.
IW-3	09/29/16	35	8	1	35	33-35	microporous	HSA	Stratus Environmental, Inc.
IW-4	09/27/16	33	8	1	33	31-33	microporous	HSA	Stratus Environmental, Inc.
IW-5	09/27/16	35	8	1	35	31-33	microporous	HSA	Stratus Environmental, Inc.
IW-6	09/26/16	33	8	1	33	31-33	microporous	HSA	Stratus Environmental, Inc.
IW-7	09/26/16	34	8	1	34	32-34	microporous	HSA	Stratus Environmental, Inc.
IW-8	09/27/16	35	8	1	35	33-35	microporous	HSA	Stratus Environmental, Inc.
IW-9	09/27/16	35	8	1	35	33-35	microporous	HSA	Stratus Environmental, Inc.
IW-10	09/29/16	35	8	1	35	33-35	microporous	HSA	Stratus Environmental, Inc.
Notes:									
ft bgs = feet below ground surface									
HSA = hollow stem auger									
* = monitoring wells properly destroyed on January 25, 2011									
** = monitoring well properly destroyed on November 21, 2011									
¹ = soil borings without existing boring logs and/or construction details have been omitted.									

TABLE 2
SOIL ANALYTICAL RESULTS
German Autocraft
301 East 14th Street, San Leandro, California

Sample ID	Sample Depth (feet bgs)	Date Collected	GRO (mg/Kg)	Naphthalene (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)
Boring IW-1								
IW-1-30	30	9/29/2016	55	NA	<0.025*	<0.025*	<0.025*	<0.025*
IW-1-35	35	9/29/2016	<1.0	NA	<0.005	<0.005	<0.005	<0.005
Boring IW-2								
IW-2-4.5	4.5	9/27/2016	<1.0	<0.04	<0.005	<0.005	<0.005	<0.005
IW-2-10	10	9/27/2016	<1.0	<0.04	<0.005	<0.005	<0.005	<0.005
IW-2-30	30	9/27/2016	11	NA	<0.005	<0.005	<0.005	<0.005
IW-2-35	35	9/27/2016	<1.0	NA	<0.005	<0.005	<0.005	<0.005
Boring IW-3								
IW-3-4.5	4.5	9/29/2016	<1.0	<0.04	<0.005	<0.005	<0.005	<0.005
IW-3-10	10	9/29/2016	<1.0	<0.04	<0.005	<0.005	<0.005	<0.005
IW-3-30	30	9/29/2016	1.5	NA	<0.005	<0.005	<0.005	<0.005
IW-3-35	35	9/29/2016	1.0	NA	<0.005	<0.005	<0.005	<0.005
Boring IW-4								
IW-4-25	25	9/27/2016	1.5	NA	<0.005	<0.005	<0.005	<0.005
IW-4-34	34	9/27/2016	<1.0	NA	<0.005	<0.005	<0.005	<0.005
Boring IW-5								
IW-5-25	25	9/27/2016	4,800	NA	<3.0*	120	120	590
IW-5-35	35	9/27/2016	37	NA	<0.01*	<0.01*	0.018	0.027
Boring IW-6								
IW-6-25	25	9/26/2016	2,700	NA	<1.0*	1.1	49	209
IW-6-34	34	9/26/2016	2.9	NA	<0.005	<0.005	0.015	0.05
Boring IW-7								
IW-7-24	24	9/26/2016	1,800	NA	<0.5*	0.77	32	127
IW-7-35	35	9/26/2016	<1.0	NA	<0.005	<0.005	<0.005	<0.005

TABLE 2
SOIL ANALYTICAL RESULTS
 German Autocraft
 301 East 14th Street, San Leandro, California

Sample ID	Sample Depth (feet bgs)	Date Collected	GRO (mg/Kg)	Naphthalene (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)
Boring IW-8								
IW-8-4.5	4.5	9/27/2016	<1.0	<0.04	<0.005	<0.005	<0.005	<0.005
IW-8-10	10	9/27/2016	<1.0	<0.04	<0.005	<0.005	<0.005	<0.005
IW-8-30	30	9/27/2016	11,000	NA	<8.0*	210	300	1,390
IW-8-35	35	9/27/2016	210	NA	<0.08*	<0.08*	0.48	0.34
Boring IW-9								
IW-9-30	30	9/27/2016	12,000	NA	13	340	290	1,340
IW-9-35	35	9/27/2016	2.2	NA	<0.005	<0.005	0.019	0.0329
Boring IW-10								
IW-10-30	30	9/29/2016	5.7	NA	<0.005	<0.005	<0.005	<0.005
IW-10-35	35	9/29/2016	<1.0	NA	<0.005	<0.005	<0.005	<0.005

Explanation

GRO = Total petroleum hydrocarbons as gasoline
 BTEX = Benzene, toluene, ethylbenzene, and xylenes
 bgs = below ground surface
 mg/Kg = milligrams per kilogram
 NA = Not analyzed
 * = Reporting limits increased due to high concentrations of target analytes

Analytical Laboratory

Alpha Analytical, Inc. (ELAP #2019)

Analytical Methods

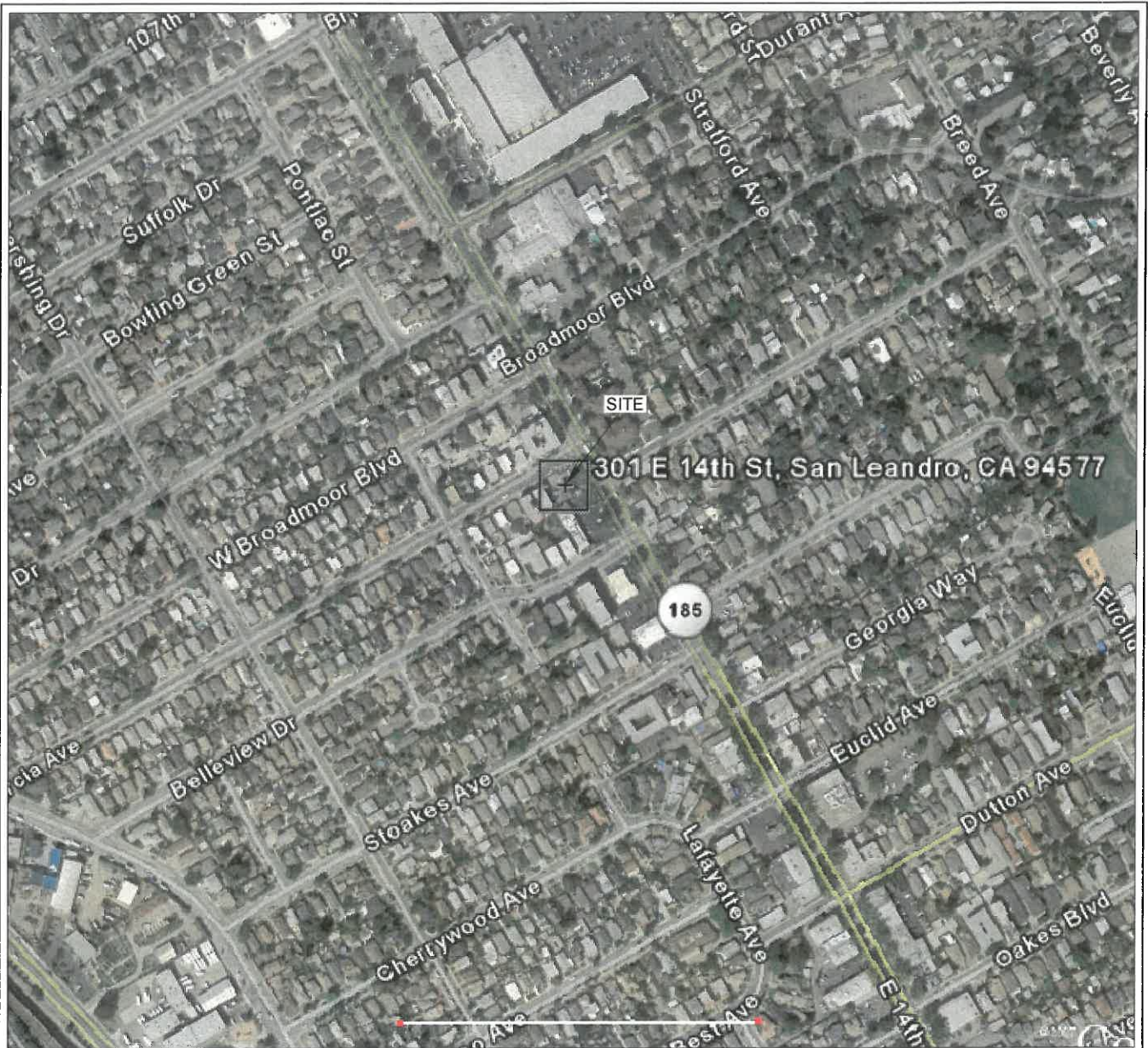
GRO analyzed using EPA Method SW8015B/SW8260B
 BTEX and naphthalene analyzed using EPA Method SW8260B

TABLE 3
GRAB GROUNDWATER SAMPLE ANALYTICAL RESULTS
 German Autocraft
 301 East 14th Street, San Leandro, California

Sample ID	Date Collected	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)
<u>Boring IW-1</u>						
IW-1	9/29/2016	1,800	<0.5	<0.5	1.0	<0.5
<u>Boring IW-2</u>						
IW-2	9/27/2016	1,000	5.6	<0.5	<0.5	0.64
<u>Boring IW-3</u>						
IW-3	9/29/2016	1,700	<0.5	<0.5	1.1	<0.5
<u>Boring IW-4</u>						
IW-4	9/27/2016	350	21	<0.5	<0.5	0.92
<u>Boring IW-5</u>						
IW-5	9/27/2016	12,000	56	500	380	1,290
<u>Boring IW-6</u>						
IW-6	09/26/16	44,000	<40*	280	1,700	6,800
<u>Boring IW-7</u>						
IW-7	09/26/16	16,000	<15*	49	570	1,510
<u>Boring IW-8</u>						
IW-8	9/27/2016	12,000	36	510	350	1,530
<u>Boring IW-9</u>						
IW-9	9/27/2016	210,000	4,200	6,100	8,600	23,800
<u>Boring IW-10</u>						
IW-10	9/29/2016	770	<1.0*	<1.0*	<1.0*	<1.0*

TABLE 3
GRAB GROUNDWATER SAMPLE ANALYTICAL RESULTS
 German Autocraft
 301 East 14th Street, San Leandro, California

Sample ID	Date Collected	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)
<u>Explanation</u>						
GRO = Gasoline range organics						
BTEX = Benzene, toluene, ethylbenzene, and xylenes						
µg/L = micrograms per liter						
* = Reporting limits increased due to high concentrations of target analytes						
<u>Analytical Laboratory</u>						
Alpha Analytical, Inc. (ELAP #2019)						
<u>Analytical Methods</u>						
GRO analyzed using EPA Method SW8015B/SW8260B						
BTEX analyzed using EPA Method SW8260B						



QUADRANGLE LOCATION



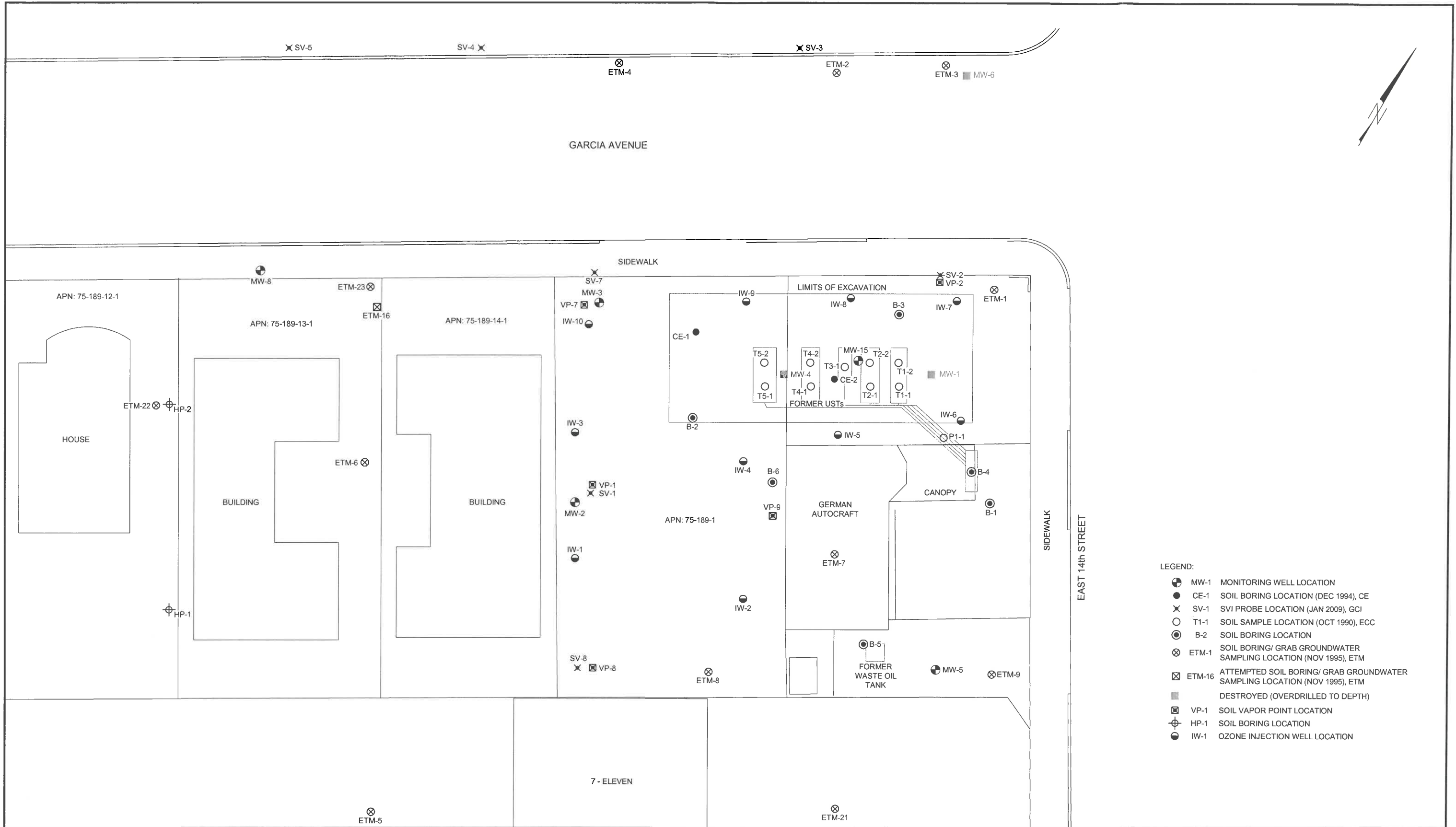
GERMAN AUTOCRAFT
 301 EAST 14th STREET
 SAN LEANDRO, CALIFORNIA

SITE LOCATION MAP

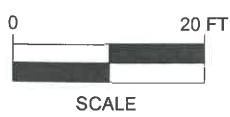
FIGURE

1

PROJECT NO.
 2076-0301-01



- LEGEND:
- MW-1 MONITORING WELL LOCATION
 - CE-1 SOIL BORING LOCATION (DEC 1994), CE
 - ✕ SV-1 SVI PROBE LOCATION (JAN 2009), GCI
 - T1-1 SOIL SAMPLE LOCATION (OCT 1990), ECC
 - B-2 SOIL BORING LOCATION
 - ⊗ ETM-1 SOIL BORING/ GRAB GROUNDWATER SAMPLING LOCATION (NOV 1995), ETM
 - ⊗ ETM-16 ATTEMPTED SOIL BORING/ GRAB GROUNDWATER SAMPLING LOCATION (NOV 1995), ETM
 - DESTROYED (OVERDRILLED TO DEPTH)
 - ⊗ VP-1 SOIL VAPOR POINT LOCATION
 - ⊕ HP-1 SOIL BORING LOCATION
 - IW-1 OZONE INJECTION WELL LOCATION



PATH NAME: German Auto
 DRAFTER INITIALS: DMG
 DATE LAST REVISED: May 22, 2017
 FILENAME: German Auto Siteplan

GERMAN AUTOCRAFT
 301 EAST 14th STREET
 SAN LEANDRO, CALIFORNIA

SITE PLAN

FIGURE
2
 PROJECT NO.
 2076-0301-01

APPENDIX A
FIELD PRACTICES AND PROCEDURES

FIELD PRACTICES AND PROCEDURES

General procedures used by Stratus in site assessments for drilling exploratory borings, collecting samples, and installing monitoring wells are described herein. These general procedures are used to provide consistent and reproducible results; however, some procedure may be modified based on site conditions. A California state-registered geologist supervises the following procedures.

PRE-FIELD WORK ACTIVITIES

Health and Safety Plan

Field work performed by Stratus at the site is conducted according to guidelines established in a Site Health and Safety Plan (SHSP). The SHSP is a document which describes the hazards that may be encountered in the field and specifies protective equipment, work procedures, and emergency information. A copy of the SHSP is at the site and available for reference by appropriate parties during work at the site.

Locating Underground Utilities

Prior to commencement of any work that is to be below surface grade, the location of the excavation, boring, etc., is marked with white paint as required by law. An underground locating service such as Underground Service Alert (USA) is contacted. The locating company contacts the owners of the various utilities in the vicinity of the site to mark the locations of their underground utilities. Any invasive work is preceded by hand augering to a minimum depth of five feet below surface grade to avoid contact with underground utilities.

FIELD METHODS AND PROCEDURES

Exploratory Soil Borings

Soil borings will be drilled using a truck-mounted, hollow stem auger drill rig. Soil samples for logging will be obtained from auger-return materials and by advancing a modified California split-spoon sampler equipped with brass or stainless steel liners into undisturbed soil beyond the tip of the auger. Soils will be logged by a geologist according to the Unified Soil Classification System and standard geological techniques. Drill cuttings will be screened using a portable photoionization detector (PID) or a flame ionization detector (FID). Exploratory soil borings not used for monitoring well installation will be backfilled to the surface with a bentonite-cement slurry pumped into the boring through a tremie pipe.

Soil sampling equipment will be cleaned with a detergent water solution, rinsed with clean water, and equipped with clean liners between sampling intervals. Augers and samplers will be steam cleaned between each boring to reduce the possibility of cross contamination. Steam cleaning effluent will be contained in 55-gallon drums and

temporarily stored on site. The disposal of the effluent will be the responsibility of the client, unless authorized by the client for disposal by Stratus.

Drill cuttings generated during the drilling procedure will be stockpiled on site or contained in labeled and sealed 55-gallon drums. Stockpiled drill cuttings will be placed on and covered with plastic sheeting. The stockpiled soil is typically characterized by collecting and analyzing composite samples from the stockpile. Stratus Environmental will recommend an appropriate method for disposition of the cuttings based on the analytical results. The client will be responsible for disposal of the drill cuttings.

Soil Sample Collection

During drilling, soil samples will be collected in cleaned brass, two by six inch tubes. The tubes will be set in an 18-inch-long split-barrel sampler. The sampler will be conveyed to bottom of the borehole attached to a wire-line hammer device on the drill rig. When possible, the split-barrel sampler will be driven its entire length, either hydraulically or by repeated pounding a 140-pound hammer using a 30-inch drop. The number of drops (blows) used to drive the sampler will be recorded on the boring log. The sampler will be extracted from the borehole, and the tubes containing the soil samples will be removed. Upon removal, the ends of the lowermost tube will be sealed with Teflon sheets and plastic caps. Soil samples for chemical analysis will be labeled, placed on ice, and delivered to a state-certified analytical laboratory, along with the appropriate chain-of-custody documentation.

Soil Classification

As the samples are obtained in the field, they will be classified by the field geologist in accordance with the Unified Soil Classification System. Representative portions of the samples will be retained for further examination and for verification of the field classification. Logs of the borings indicating the depth and identification of the various strata and pertinent information regarding the method of maintaining and advancing the borehole will be prepared.

Soil Sample Screening

Soil samples selected for chemical analysis will be determined from a head-space analysis using a PID or an FID. The soil will be placed in a resealable plastic bag, sealed, and allowed to reach ambient temperature, at which time the PID probe will be inserted into the resealable plastic bag. The total volatile hydrocarbons present are detected by the PID and reported in parts per million by volume (ppmv). The PID will be calibrated to an isobutylene standard.

Generally two soil samples from each soil boring will be submitted for chemical analysis unless otherwise specified in the scope of work. Soil samples selected for analysis typically represent the highest PID reading recorded for each soil boring and the sample just above first-encountered groundwater.

Drill Cuttings and Soil Sampling

Soil generated during drilling operations will be stockpiled on-site or contained in labeled and sealed 55-gallon drums. The stockpile will be set on and covered by plastic sheeting in a manner to prevent rain water from coming in contact with the soil. Prior to collecting soil samples, Stratus personnel will calculate the approximate volume of soil in the stockpile. The stockpile will then be divided into sections, if warranted, containing the predetermined volume sampling interval. Soil samples will be collected at 0.5 to 2 feet below the surface of the stockpile. Four soil samples will be collected from the stockpile and composited into one sample by the laboratory prior to analysis. The soil samples will be collected in cleaned brass, two by six inch tubes using a hand driven sampling device. To reduce the potential for cross-contamination between samples, the sampler will be cleaned between each sampling event. Upon recovery, the sample container will be sealed at each end with Teflon sheeting and plastic caps to minimize the potential of volatilization and cross-contamination prior to chemical analysis. The soil sample will be labeled, placed on ice, and delivered to a state-certified analytical laboratory, along with the appropriate chain-of-custody documentation.

Direct-Push Technology, Soil Sampling

Direct-push is a drilling method of advancing small diameter borings without generating soil cuttings. The system consists of an approximately 2-inch diameter, 4- or 5-foot long, stainless steel soil sampling tool that is hydraulically advanced into subsurface soils by a small rig. The sampling tool is designed similar to a California-modified split-spoon sampler, and lined with a sample tube that enables continuous core sampling.

To collect soil samples, the sampler is advanced to the desired sampling depth. The mouth of the sampling tool is plugged to prevent soil from entering the sampler. Upon reaching the desired sampling depth, the plug at the mouth of the sample tool is disengaged and retracted, the sampler is advanced, and the sampler is filled with soil. The sample tool is then retrieved from the boring, and the sample tube removed. The sample tool is then cleaned, a new tube is placed inside and the sampling equipment is advanced back down the borehole to the next sample interval.

The Stratus geologist describes the entire interval of soil in the tube. The bottom-most 6-inch long section is cut off and retained for possible chemical analysis. The ends of the chemical sample are lined with Teflon sheets, capped, labeled, and placed in an ice-chilled cooler for transport to California Department of Health Services-certified analytical laboratory under chain-of-custody.

Direct Push Technology, Water Sampling

A well known example of direct push technology for water sampling is the Hydropunch. For the purpose of this field method the term hydropunch will be used instead of direct push technology for water sampling.

The hydropunch is typically used with a drill rig. A boring is drilled with hollow stem-augers to just above the sampling zone. In some soil conditions the drill rig can push directly from the surface to the sampling interval. The hydropunch is conveyed to the bottom of the boring using drill rods. Once on bottom the hydropunch is driven a maximum of five feet. The tool is then opened by lifting up the drill rod no more than four feet. Once the tool is opened, water enters and a sample can be collected with a bailer or tubing utilizing a peristaltic pump. Soil particles larger than silt are prevented from entering the tool by a screen within the tool. The water sample is collected, labeled, and handled according to the Quality Assurance Plan.

Monitoring Well Installation

Monitoring wells will be completed by installing 2 to 6 inch-diameter Schedule 40 polyvinyl chloride (PVC) casing. The borehole diameter for a monitoring well will be greater than four inches larger than the outside diameter of the casing. The 2-inch-diameter flush-threaded casing is generally used for wells dedicated for groundwater monitoring purposes.

A monitoring well is typically cased with threaded, factory-perforated and blank Schedule 40 PVC. The perforated interval consists of slotted casing, generally with 0.01 or 0.02 inch-wide by 1.5-inch-long slots, with 42 slots per foot. The screened sections of casing are factory machine slotted and will generally be installed approximately 5 feet above and 10 feet below first-encountered water level. The screened interval will allow for seasonal fluctuation in water level and for monitoring floating product. A threaded or slip PVC cap is secured to the bottom of the casing. The slip cap can be secured with stainless steel screws or friction; no solvents or cements are used. Centering devices may be fastened to the casing to ensure even distribution of filter material and grout within the borehole annulus. The well casing is thoroughly washed and/or steam cleaned, or may be purchased as pre-cleaned, prior to completion.

A filter pack of graded sand will be placed in the annular space between the PVC casing and the borehole wall. Sand will be added to the borehole through the hollow stem of the augers to provide a uniform filter pack around the casing and to stabilize the borehole. Generally the sand pack will be placed to a maximum of 2 feet above the screens, followed by a minimum 1- to 2-foot seal consisting of bentonite pellets.

Cement grout containing a maximum of 5 percent bentonite powder will be placed above the bentonite seal to the ground surface. A concrete traffic-rated vault box will be installed over the monitoring well(s). A watertight locking cap will be installed in the top of the well casing. Reference elevations for each monitoring well will be surveyed when more than two wells will be located on site. Monitoring well elevations will be surveyed by a California licensed surveyor to the nearest 0.01-foot relative to mean sea level (MSL). Horizontal coordinates of the wells will be measured at the same time. Exploratory boring logs and well construction details will be prepared for the final written report.

APPENDIX B

**SOIL BORING LOGS AND WELL CONSTRUCTION
DETAILS**

SOIL BORING/WELL CONSTRUCTION LOG

Boring No. IW-1

Sheet: 1 of 2

Client	German Autocraft	Date	September 29, 2016
Address	301 East 14th Street San Leandro, California	Drilling Co.	Penecore rig type: GP 7822DT
Project No.	2076-0301-01	Driller	Shaun
Logged By:	Allan Dudding	Method	Direct-push/HSA Hole Diameter: 8 inches
Well Pack	sand: 31 ft. to 34 ft. bent.: 29 ft. to 31 ft. grout: 0 ft. to 29 ft.	Sampler:	1.5-inch x 5-foot PVC sample liner
Well Construction	Casing Material: Schedule 80 PVC	Screen Interval:	32 to 34 ft.
	Casing Diameter: 1 in.	Screen Slot Size:	ceramic sparge
Depth to GW:	▽ first encountered: 24 feet bgs	▼ Static:	

Sample Type	Sample No.	Blow Count	Sample		Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
			Time	Recov.					
								Borehole hand-cleared to 5 feet bgs.	
						1			
						2			
						3			
						4			
						5	CL	Silty Clay, CL, very dark grayish brown (10YR 3/2), moist, low plasticity, 60% clay, 40% silt.	
						6			
						7			
						8			
						9	CL	Silty Clay, CL, dark yellowish brown (10YR 4/4), moist, medium plasticity, 70% clay, 30% silt.	
S	IW-1-10		1412			10			0
						11			
						12			
						13	ML	Clayey Silt, ML, dark yellowish brown (10YR 4/4), moist, low plasticity, 60% silt, 40% clay, trace fine sand.	
						14	CL	Silty Clay, CL, dark yellowish brown (10YR 4/4), moist, medium plasticity, 70% clay, 30% silt.	
S	IW-1-15		1415			15			0
						16	ML	Clayey Silt, ML, dark yellowish brown (10YR 4/4), moist, nonplastic, 70% silt, 30% clay, trace fine sand.	
						17	CL	Silty Clay, CL, dark yellowish brown (10YR 4/4), moist, medium plasticity, 70% clay, 30% silt.	
						18			
						19			
S	IW-1-20		1421			20		As above, color changes to dark gray (5Y 4/1).	0

Recovery Sample

Comments:



SOIL BORING/WELL CONSTRUCTION LOG

Boring No. IW-1

Sheet: 2 of 2

Client	German Autocraft	Date	September 29, 2016
Address	301 East 14th Street San Leandro, California	Drilling Co.	Penecore rig type: GP 7822DT
Project No.	2076-0301-01	Driller	Shaun
Logged By:	Allan Dudding	Method	Direct-push/HSA Hole Diameter: 8 inches
Well Pack	sand: 31 ft. to 34 ft. bent.: 29 ft. to 31 ft. grout: 0 ft. to 29 ft.	Well Construction	Casing Material: Schedule 80 PVC Casing Diameter: 1 in. Screen Interval: 32 to 34 ft. Screen Slot Size: ceramic sparge
		Depth to GW:	▽ first encountered: 24 feet bgs ▼ Static:

Sample Type	Sample No.	Blow Count	Sample		Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
			Time	Recov.					
						21	CL	Silty Clay, CL, dark gray (5Y 4/1), moist, medium plasticity, 70% clay, 30% silt.	
						22	ML	Clayey Silt, ML, dark gray (5Y 4/1), moist, low plasticity, 60% silt, 40% clay.	
						23	CL	Silty Clay, CL, dark gray (5Y 4/1), moist, medium plasticity, 70% clay, 30% silt.	
						24	▽		
S	IW-1-25		1427			25	SM	Silty Sand, Some Clay, SM, dark gray (5Y 4/1), wet, 50% fine sand, 40% silt, 10% clay.	0
						26			
						27	ML	Sandy Silt, Some Clay, ML, dark gray (5Y 4/1), wet, 50% silt, 30% fine to medium sand, 20% clay.	
						28			
						29	CL	Clay, Some Silt, CL, dark gray (5Y 4/1), moist, medium plasticity, 80% silt, 20% silt.	
S	IW-1-30		1433			30			37.0
						31			
S	IW-1-32		1437			32	ML	Clayey Silt, ML, dark gray (5Y 4/1), wet, low plasticity, 60% silt, 40% clay.	79.0
						33			
						34		As above, with trace fine sand.	
W	IW-1		1450			35			2.4
S	IW-1-35		1440						
						36			
						37			
						38			
						39			
						40			

Recovery Sample

Comments:



SOIL BORING/WELL CONSTRUCTION LOG

Boring No. IW-2

Sheet: 1 of 2

Client	German Autocraft	Date	September 27, 2016
Address	301 East 14th Street San Leandro, California	Drilling Co.	Penecore rig type: GP 7822DT
Project No.	2076-0301-01	Driller	Shaun
Logged By:	Allan Dudding	Method	Direct-push/HSA Hole Diameter: 8 inches
Well Pack	sand: 32 ft. to 35 ft. bent.: 30 ft. to 32 ft. grout: 0 ft. to 30 ft.	Well Construction	Casing Material: Schedule 80 PVC Casing Diameter: 1 in. Depth to GW: ▽ first encountered: 26 feet bgs
			Screen Interval: 33 to 35 ft. Screen Slot Size: ceramic sparge ▽ Static:

Sample Type	Sample No.	Blow Count	Sample		Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
			Time	Recov.					
								Borehole hand-cleared to 5 feet bgs.	
S	IW-2-4.5		1622				CL	Silty Clay, CL, brown (10YR 4/3), moist, medium plasticity, 70% clay, 30% silt.	0
S	IW-2-10		1624				SM	Silty Sand, SM, dark yellowish brown (10YR 4/4), dry to moist, 60% fine to coarse sand, 40% silt, trace gravel.	0
S	IW-2-15		1632				CL	Silty Clay, CL, dark yellowish brown (10YR 4/4), moist, low plasticity, 60% clay, 40% silt.	0
							CL	Silty Clay, CL, brown (10YR 4/3), moist, medium plasticity, 70% clay, 30% silt.	
S	IW-2-20		1640					As above, color changes to dark gray (5Y 4/1).	0

Recovery Sample

Comments:



SOIL BORING/WELL CONSTRUCTION LOG

Boring No. IW-2

Sheet: 2 of 2

Client	German Autocraft	Date	September 27, 2016
Address	301 East 14th Street San Leandro, California	Drilling Co.	Penecore rig type: GP 7822DT
Project No.	2076-0301-01	Driller	Shaun
Logged By:	Allan Dudding	Method	Direct-push/HSA Hole Diameter: 8 inches
Well Pack	sand: 32 ft. to 35 ft. bent.: 30 ft. to 32 ft. grout: 0 ft. to 30 ft.	Well Construction	Casing Material: Schedule 80 PVC Casing Diameter: 1 in. Depth to GW: ▽ first encountered: 26 feet bgs
			Screen Interval: 33 to 35 ft. Screen Slot Size: ceramic sparge ▽ Static:

Sample Type	Sample No.	Blow Count	Sample		Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
			Time	Recov.					
						21	CL	Silty Clay, CL, dark gray (5Y 4/1), moist, medium plasticity, 70% clay, 30% silt.	
						22			
						23			
						24			
S	IW-2-25		1643			25	ML	Clayey Silt, ML, dark gray (5Y 4/1), moist, nonplastic, 70% silt, 30% clay.	0
						26	▽	as above, wet.	
						27			
						28			
						29			
S	IW-2-30		1648			30	CL	Silty Clay, CL, dark gray (5Y 4/1), moist, low plasticity, 60% clay, 40% silt, trace fine sand.	4.7
						31			
						32			
						33	ML	Clayey Silt, ML, dark gray (5Y 4/1), moist, low plasticity, 60% silt, 40% clay.	
						34			
W S	IW-2 IW-2-35		1722 1655			35	ML	Sandy Silt, some clay, ML, (5Y 4/1), wet, nonplastic, 60% silt, 30% fine sand, 10% clay.	9.8
						36			
						37			
						38			
						39			
						40			

Recovery Sample

Comments:



SOIL BORING/WELL CONSTRUCTION LOG

Boring No. IW-3

Sheet: 1 of 2

Client	German Autocraft	Date	September 29, 2016
Address	301 East 14th Street San Leandro, California	Drilling Co.	Penecore rig type: GP 7822DT
Project No.	2076-0301-01	Driller	Shaun
Logged By:	Allan Dudding	Method	Direct-push/HSA Hole Diameter: 8 inches
Well Pack	sand: 32 ft. to 35 ft. bent.: 30 ft. to 32 ft. grout: 0 ft. to 30 ft.	Sampler:	1.5-inch x 5-foot PVC sample liner
Well Construction	Casing Material: Schedule 80 PVC	Screen Interval:	33 to 35 ft.
	Casing Diameter: 1 in.	Screen Slot Size:	ceramic sparge
	Depth to GW: ▽ first encountered: 24 feet bgs	Static:	▽

Sample Type	Sample No.	Blow Count	Sample		Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
			Time	Recov.					
								Borehole hand-cleared to 5 feet bgs.	
S	IW-3-4.5		1048				CL	Silty Clay, CL, dark brown (10YR 3/3), moist, medium plasticity, 70% clay, 30% silt.	0
S	IW-3-10		1051				SC	Clayey Sand, SC, dark yellowish brown (10YR 4/4), moist, 70% fine to coarse sand, 30% clay.	0
							ML	Clayey Silt, ML, dark yellowish brown (10YR 4/4), moist, nonplastic, 70% silt, 30% clay.	
S	IW-3-15		1100				CL	Silty Clay, CL, dark yellowish brown (10YR 4/4), moist, medium plasticity, 70% clay, 30% silt.	0
S	IW-3-20		1104					As above, color changes to dark gray (5Y 4/1).	0

Recovery Sample

Comments:



SOIL BORING/WELL CONSTRUCTION LOG

Boring No. IW-3

Sheet: 2 of 2

Client	German Autocraft	Date	September 29, 2016
Address	301 East 14th Street San Leandro, California	Drilling Co.	Penecore rig type: GP 7822DT
Project No.	2076-0301-01	Driller	Shaun
Logged By:	Allan Dudding	Method	Direct-push/HSA Hole Diameter: 8 inches
Well Pack	sand: 32 ft. to 35 ft. bent.: 30 ft. to 32 ft. grout: 0 ft. to 30 ft.	Well Construction	Casing Material: Schedule 80 PVC Casing Diameter: 1 in. Screen Interval: 33 to 35 ft. Screen Slot Size: ceramic sparge
		Depth to GW:	▽ first encountered: 24 feet bgs ▼ Static:

Type	Sample		Blow Count	Sample		Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
	No.			Time	Recov.					
							21	CL	Silty Clay, CL, dark gray (5Y 4/1), moist, medium plasticity, 70% clay, 30% silt.	
							22			
							23			
							24			
S	IW-3-25		1108				25	ML	Clayey Silt, ML, dark gray (5Y 4/1), moist to wet, low plasticity, 60% silt, 40% clay.	2.4
							26			
							27			
							28			
							29			
S	IW-3-30		1114				30	CL	Silty Clay, CL, dark gray (5Y 4/1), moist, medium plasticity, 70% clay, 30% silt.	14.8
							31			
							32	ML	Clayey Silt, Some Sand, ML, dark gray (5Y 4/1), wet, low plasticity, 50% silt, 30% clay, 20% fine sand.	81.4
							33			
							34			
W	IW-3		1128				35			
S	IW-3-35		1122							4.9
							36			
							37			
							38			
							39			
							40			

Recovery Sample

Comments:



SOIL BORING/WELL CONSTRUCTION LOG

Boring No. IW-4

Sheet: 1 of 2

Client	German Autocraft	Date	September 27, 2016
Address	301 East 14th Street	Drilling Co.	Penecore rig type: GP 7822DT
	San Leandro, California	Driller	Shaun
Project No.	2076-0301-01	Method	Direct-push/HSA Hole Diameter: 8 inches
Logged By:	Allan Dudding	Sampler:	1.5-inch x 5-foot PVC sample liner
Well Pack	sand: 30 ft. to 33 ft.	Well Construction	Casing Material: Schedule 80 PVC Screen Interval: 31 to 33 ft.
	bent.: 28 ft. to 30 ft.		Casing Diameter: 1 in. Screen Slot Size: ceramic sparge
	grout: 0 ft. to 28 ft.	Depth to GW:	▽ first encountered: 26 feet bgs ▼ Static:

Sample Type	Sample No.	Blow Count	Sample		Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
			Time	Recov.					
							Borehole hand-cleared to 5 feet bgs.		
							Excavation backfill.		
						ML	Silt, ML, dark yellowish brown (10YR 4/4), dry to moist, nonplastic, 100% silt.	0	
						CL	Silty Clay, CL, brown (10YR 4/3), moist, medium plasticity, 70% clay, 30% silt.		
S	IW-4-10		1521					0	
						SC	Clayey Sand, SC, brown (10YR 4/3), moist, 70% fine to coarse sand, 30% clay.		
						CL	Silty Clay, CL, brown (10YR 4/3), moist, medium plasticity, 70% clay, 30% silt.	0	
S	IW-4-15		1529					0	
							As above, color changes to dark gray (5Y 4/1).		
								0	

Recovery Sample

Comments:



SOIL BORING/WELL CONSTRUCTION LOG

Boring No. IW-4

Sheet: 2 of 2

Client	German Autocraft	Date	September 27, 2016
Address	301 East 14th Street San Leandro, California	Drilling Co.	Penecore rig type: GP 7822DT
Project No.	2076-0301-01	Driller	Shaun
Logged By:	Allan Dudding	Method	Direct-push/HSA Hole Diameter: 8 inches
Well Pack	sand: 30 ft. to 33 ft. bent.: 28 ft. to 30 ft. grout: 0 ft. to 28 ft.	Sampler:	1.5-inch x 5-foot PVC sample liner
Well Construction	Casing Material: Schedule 80 PVC	Screen Interval:	31 to 33 ft.
	Casing Diameter: 1 in.	Screen Slot Size:	ceramic sparge
	Depth to GW: ▽ first encountered: 26 feet bgs	Static:	▼

Sample Type	Sample No.	Blow Count	Sample		Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
			Time	Recov.					
						21	CL	Silty Clay, CL, dark gray (5Y 4/1), moist, medium plasticity, 70% clay, 30% silt.	
						22			
						23			
						24			
S	IW-4-25	1536				25	ML	Clayey Silt, ML, dark gray (5Y 4/1), moist, low plasticity, 60% silt, 40% clay.	9.4
						26			
						27	ML	Silt with clay, ML, dark gray (5Y 4/1), wet, nonplastic, 80% silt, 20% clay.	
						28			
						29			
S	IW-4-30	1544				30	CL	Silty Clay, CL, dark gray (5Y 4/1), moist, medium plasticity, 70% clay, 30% silt.	4.9
						31			
						32	ML	Clayey Silt, ML, dark gray (5Y 4/1), wet, low plasticity, 60% silt, 40% clay.	27.1
						33			
S	IW-4-34	1554				34			
W	IW-4	1600				35	CL	Sandy, Silty Clay, CL, dark yellowish brown (10YR 4/4), moist, low plasticity, 60% clay, 20% silt, 20% fine sand.	0
						36			
						37			
						38			
						39			
						40			

Recovery Sample

Comments:



SOIL BORING/WELL CONSTRUCTION LOG

Boring No. IW-5

Sheet: 1 of 2

Client	German Autocraft	Date	September 27, 2016			
Address	301 East 14th Street	Drilling Co.	Penecore	rig type: GP 7822DT		
	San Leandro, California	Driller	Shaun			
Project No.	2076-0301-01	Method	Direct-push/HSA	Hole Diameter: 8 inches		
Logged By:	Allan Dudding	Sampler:	1.5-inch x 5-foot PVC sample liner			
Well Pack	sand: 30 ft. to 33 ft.	Well Construction	Casing Material:	Schedule 80 PVC	Screen Interval:	31 to 33 ft.
	bent.: 28 ft. to 30 ft.		Casing Diameter:	1 in.	Screen Slot Size:	ceramic sparge
	grout: 0 ft. to 28 ft.		Depth to GW:	▽ first encountered: 26.5 feet bgs	▼ Static:	

Sample Type	Sample No.	Blow Count	Sample		Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
			Time	Recov.					
								Borehole hand-cleared to 5 feet bgs.	
						1			
						2			
						3			
						4			
						5	ML	Clayey Silt, ML, dark yellowish brown (10YR 4/4), moist, low plasticity, 60% silt, 40% clay.	0
						6			
						7			
						8	CL	Clay With Silt, CL, dark brown (10YR 3/3), moist, medium plasticity, 80% clay, 20% silt.	
						9			
S	IW-5-10		0952			10			0
						11			
						12	CL	Silty Clay, Some Sand, CL, dark yellowish brown (10YR 4/4), moist, low plasticity, 60% clay, 30% silt, 10% fine to medium sand.	
						13			
						14	CL	Clay With Silt, CL, dark yellowish brown (10YR 4/4), moist, medium plasticity, 80% clay, 20% silt.	
S	IW-5-15		1003			15			0
						16			
						17			
						18			
						19			
S	IW-5-20		1007			20		As above, color changes to dark gray (5Y 4/1).	162.9

Recovery Sample

Comments:



SOIL BORING/WELL CONSTRUCTION LOG

Boring No. IW-5

Sheet: 2 of 2

Client	German Autocraft	Date	September 27, 2016
Address	301 East 14th Street San Leandro, California	Drilling Co.	Penecore rig type: GP 7822DT
Project No.	2076-0301-01	Driller	Shaun
Logged By:	Allan Dudding	Method	Direct-push/HSA Hole Diameter: 8 inches
Well Pack	sand: 30 ft. to 33 ft. bent.: 28 ft. to 30 ft. grout: 0 ft. to 28 ft.	Sampler:	1.5-inch x 5-foot PVC sample liner
Well Construction	Casing Material: Schedule 80 PVC	Screen Interval:	31 to 33 ft.
	Casing Diameter: 1 in.	Screen Slot Size:	ceramic sparge
	Depth to GW: ▽ first encountered: 26.5 feet bgs	Static:	▼

Sample Type	Sample No.	Blow Count	Sample		Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
			Time	Recov.					
						21	CL	Clay With Silt, CL, dark gray (5Y 4/1), moist, medium plasticity, 80% clay, 20% silt.	
						22			
						23			
						24			
S	IW-5-25		1013			25	ML	Clayey Silt, ML, dark gray (5Y 4/1), moist, low plasticity, 60% silt, 40% clay.	1,000+
						26	▽ ML		
S	IW-5-27		1020			27	ML	Silt, Some Clay, ML, dark gray (5Y 4/1), wet, nonplastic, 80% silt, 20% clay.	1,000+
						28			
						29		Decreasing clay content, 90% silt, 10% clay.	
S	IW-5-30		1025			30		Increasing grain size.	
						31			
						32	SC-SM	Clayey, Silty Sand, SC-SM, dark gray (5Y 4/1), wet, 60% fine to coarse sand, 20% clay, 20% silt.	1,000+
						33			
W	IW-5		1035			34			
S	IW-5-35		1030			35	GW	Well-Graded Gravel, GW, dark gray (5Y 4/1), wet, 60% fine to coarse gravel, 20% fine to coarse sand, 20% fines.	14.7
						36			
						37			
						38			
						39			
						40			

Recovery Sample

Comments:



SOIL BORING/WELL CONSTRUCTION LOG

Boring No. IW-6

Sheet: 1 of 2

Client	German Autocraft	Date	September 26, 2016	
Address	301 East 14th Street San Leandro, California	Drilling Co.	Penecore	rig type: GP 7822DT
Project No.	2076-0301-01	Driller	Shaun	
Logged By:	Allan Dudding	Method	Direct-push/HSA	Hole Diameter: 8 inches
Well Pack	sand: 30 ft. to 33 ft. bent.: 28 ft. to 30 ft. grout: 0 ft. to 28 ft.	Sampler:	1.5-inch x 5-foot PVC sample liner	
Well Construction	Casing Material: Schedule 80 PVC	Screen Interval:	31 to 33 ft.	
	Casing Diameter: 1 in.	Screen Slot Size:	ceramic sparge	
Depth to GW:	▽ first encountered: 25 feet bgs	▼ Static:		

Sample Type	Sample No.	Blow Count	Sample		Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
			Time	Recov.					
								Borehole hand-cleared to 5 feet bgs.	
						1			
						2			
						3			
						4			
						5	ML	Sandy Silt, ML, dark yellowish brown (10YR 4/4), dry to moist, nonplastic, 70% silt, 30% fine sand.	0
						6			
						7	CL	Silty Clay, CL, very dark grayish brown (10YR 3/2), moist, medium plasticity, 70% clay, 30% silt.	
						8			
						9			
S	IW-6-10		1443			10			0
						11			
						12			
						13			
						14			
S	IW-6-15		1453			15			0
						16			
						17	CL	Silty Clay with Sand, CL, brown (10YR 4/3), moist, low plasticity, 60% clay, 20% silt, 20% fine sand.	
						18	CL	Silty Clay, CL, very dark grayish brown (10YR 3/2), moist, medium plasticity, 70% clay, 30% silt.	
						19			
S	IW-6-20		1459			20	CL	Silty Clay, CL, dark gray (5Y 4/2), moist, low plasticity, 60% clay, 40% silt.	27.1

Recovery Sample

Comments:



SOIL BORING/WELL CONSTRUCTION LOG

Boring No. IW-6

Sheet: 2 of 2

Client	German Autocraft	Date	September 26, 2016
Address	301 East 14th Street San Leandro, California	Drilling Co.	Penecore rig type: GP 7822DT
Project No.	2076-0301-01	Driller	Shaun
Logged By:	Allan Dudding	Method	Direct-push/HSA Hole Diameter: 8 inches
Well Pack	sand: 30 ft. to 33 ft. bent.: 28 ft. to 30 ft. grout: 0 ft. to 28 ft.	Well Construction	Casing Material: Schedule 80 PVC Casing Diameter: 1 in. Screen Interval: 31 to 33 ft. Screen Slot Size: ceramic sparge
		Depth to GW:	▽ first encountered: 25 feet bgs ▼ Static:

Sample Type	Sample No.	Blow Count	Sample		Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
			Time	Recov.					
						21	CL	Silty Clay, CL, dark gray (5Y 4/2), moist, low plasticity, 60% clay, 40% silt.	
						22			
						23			1,000+
						24			
S	IW-6-25		1505			25	ML ▽	Clayey Silt, ML, olive gray (2.5Y 4/3), moist to wet, low plasticity, 60% silt, 40% clay.	
						26			
						27			
						28	CL	Silty Clay, CL, dark gray (5Y 4/2), moist, low plasticity, 60% clay, 40% silt.	
S	IW-6-29		1513			29	SM	Silty Sand, SM, dark gray (5Y 4/2), wet, 80% fine to coarse sand, 20% silt.	
						30			1,000+
						31			
						32		As above, trace fine gravel.	
						33			
W S	IW-6 IW-6-34		1530 1518			34	CL	Silty Clay, CL, dark yellowish brown (10YR 4/4), moist, medium plasticity, 70% clay, 30% silt.	0
						35			
						36			
						37			
						38			
						39			
						40			

Recovery Sample

Comments:



SOIL BORING/WELL CONSTRUCTION LOG

Boring No. IW-7

Sheet: 1 of 2

Client	<u>German Autocraft</u>	Date	<u>September 26, 2016</u>	
Address	<u>301 East 14th Street</u>	Drilling Co.	<u>Penecore</u>	<u>rig type: GP 7822DT</u>
	<u>San Leandro, California</u>	Driller	<u>Shaun</u>	
Project No.	<u>2076-0301-01</u>	Method	<u>Direct-push/HSA</u>	<u>Hole Diameter: 8 inches</u>
Logged By:	<u>Allan Dudding</u>	Sampler:	<u>1.5-inch x 5-foot PVC sample liner</u>	
Well Pack	<u>sand: 31 ft. to 34 ft.</u>	Well Construction	<u>Casing Material: Schedule 80 PVC</u>	<u>Screen Interval: 32 to 34 ft.</u>
	<u>bent.: 29 ft. to 31 ft.</u>		<u>Casing Diameter: 1 in.</u>	<u>Screen Slot Size: ceramic sparge</u>
	<u>grout: 0 ft. to 29 ft.</u>		<u>Depth to GW: ▽ first encountered: 25 feet bgs</u>	<u>▼ Static:</u>

Sample Type	Sample No.	Blow Count	Sample		Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
			Time	Recov.					
						1		Borehole hand-cleared to 5 feet bgs.	
						2			
						3			
						4			
						5	CL	Silty Clay, CL, dark yellowish brown (10YR 4/4), moist, low plasticity, 60% clay, 40% silt.	0
						6			
						7	CL	Silty Clay, CL, very dark gray (10YR 3/1), moist, medium plasticity, 70% clay, 30% silt.	
						8			
						9			
S	IW-7-10		1010			10			0
						11			
						12			
						13			
						14			
S	IW-7-15		1024			15	CL	Silty, Sandy Clay, CL, dark yellowish brown (10YR 4/4), moist, low plasticity, 60% clay, 20% silt, 20% fine to coarse sand.	0
						16			
						17	CL	Silty Clay, CL, dark yellowish brown (10YR 4/4), moist, low plasticity, 60% clay, 40% silt.	
						18			
						19			
S	IW-7-20		1030			20			0

Recovery Sample

Comments:



SOIL BORING/WELL CONSTRUCTION LOG

Boring No. IW-7

Sheet: 2 of 2

Client	German Autocraft	Date	September 26, 2016
Address	301 East 14th Street San Leandro, California	Drilling Co.	Penecore rig type: GP 7822DT
Project No.	2076-0301-01	Driller	Shaun
Logged By:	Allan Dudding	Method	Direct-push/HSA Hole Diameter: 8 inches
Well Pack	sand: 31 ft. to 34 ft. bent.: 29 ft. to 31 ft. grout: 0 ft. to 29 ft.	Sampler:	1.5-inch x 5-foot PVC sample liner
Well Construction	Casing Material: Schedule 80 PVC	Screen Interval:	32 to 34 ft.
	Casing Diameter: 1 in.	Screen Slot Size:	ceramic sparge
Depth to GW:	▽ first encountered: 25 feet bgs	▼ Static:	

Sample Type	Sample No.	Blow Count	Sample		Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
			Time	Recov.					
						21	CL	Silty Clay, CL, dark yellowish brown (10YR 4/4), moist, low plasticity, 60% clay, 40% silt.	
						22	ML	Clayey Silt, ML, gray (5Y 4/1), moist, low plasticity, 60% silt, 40% clay.	328
					23				
S	IW-7-24		1042			24	SC-SM	Silty, Clayey Sand, SC-SM, gray (5Y 4/1), moist, 60% fine to medium sand, 20% silt, 20% clay.	
						25	▽		1,000+
						26	SM	Silty Sand, SM, gray (5Y 4/1), wet, 60% fine to medium sand, 40% silt.	
						27	GM	Silty Gravel, GM, dark gray (5Y 3/1), wet, 40% fine gravel, 40% fine to coarse sand, 20% silt.	1,000+
S	IW-7-30		1047		29				
					30				
						31			
						32			
						33			
W	IW-7		1110			34	CL	Silty Clay, CL, dark yellowish brown (10YR 4/4), moist, medium plasticity, 70% clay, 30% silt.	24.1
S	IW-7-35		1055		35				
						36			
						37			
						38			
						39			
						40			

Recovery Sample

Comments:



SOIL BORING/WELL CONSTRUCTION LOG

Boring No. IW-8

Sheet: 1 of 2

Client	German Autocraft	Date	September 27, 2016
Address	301 East 14th Street San Leandro, California	Drilling Co.	Penecore rig type: GP 7822DT
Project No.	2076-0301-01	Driller	Shaun
Logged By:	Allan Dudding	Method	Direct-push/HSA Hole Diameter: 8 inches
Well Pack	sand: 32 ft. to 35 ft. bent.: 30 ft. to 32 ft. grout: 0 ft. to 30 ft.	Well Construction	Casing Material: Schedule 80 PVC Casing Diameter: 1 in. Depth to GW: ▽ first encountered: 24 feet bgs
			Screen Interval: 33 to 35 ft. Screen Slot Size: ceramic sparge ▽ Static:

Sample Type	Sample No.	Blow Count	Sample		Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
			Time	Recov.					
							Borehole hand-cleared to 5 feet bgs.		
							Excavation backfill.		
S	IW-8-4.5		1335				CL Silty Clay, CL, dark yellowish brown (10YR 4/4), moist, low plasticity, 60% clay, 40% silt.	0	
S	IW-8-10		1341				CL Silty Clay, CL, dark yellowish brown (10YR 4/4), moist, medium plasticity, 70% clay, 30% silt.	0	
							SC-SM Clayey, Silty Sand, SC-SM, brown (10YR 4/3), moist, 60% fine to coarse sand, 20% silt, 20% clay.		
S	IW-8-15		1346				ML Clayey Silt, ML, dark yellowish brown (10YR 4/4), moist, low plasticity, 60% silt, 40% clay.	0	
							CL Silty Clay, CL, dark yellowish brown (10YR 4/4), moist, medium plasticity, 70% clay, 30% silt.		
S	IW-8-20		1351				ML Clayey Silt, ML, dark gray (5Y 4/1), moist, low plasticity, 60% silt, 40% clay.	12.3	
Recovery Sample								Comments: <div style="text-align: center; margin-top: 20px;"> </div>	

SOIL BORING/WELL CONSTRUCTION LOG

Boring No. IW-8

Sheet: 2 of 2

Client	German Autocraft	Date	September 27, 2016	
Address	301 East 14th Street	Drilling Co.	Penecore	rig type: GP 7822DT
	San Leandro, California	Driller	Shaun	
Project No.	2076-0301-01	Method	Direct-push/HSA	Hole Diameter: 8 inches
Logged By:	Allan Dudding	Sampler:	1.5-inch x 5-foot PVC sample liner	
Well Pack	sand: 32 ft. to 35 ft.	Well Construction	Casing Material: Schedule 80 PVC	Screen Interval: 33 to 35 ft.
	bent.: 30 ft. to 32 ft.		Casing Diameter: 1 in.	Screen Slot Size: ceramic sparge
	grout: 0 ft. to 30 ft.	Depth to GW:	▽ first encountered: 24 feet bgs	▼ Static:

Sample Type	Sample No.	Blow Count	Sample		Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
			Time	Recov.					
						21	ML	Clayey Silt, ML, dark gray (5Y 4/1), moist, low plasticity, 60% silt, 40% clay.	
						22			
						23			
						24	▽		
S	IW-8-25		1356			25		As above, wet.	328
						26			
						27		As above, trace fine sand.	
						28			
						29	SM	Silty Sand, SM, dark gray (5Y 4/1), wet, 80% fine sand, 20% silt.	
S	IW-8-30		1403			30			1,000+
						31			
						32		Grain size increases to 70% fine to coarse sand, 30% silt.	
						33			
						34			
W S	IW-8 IW-8-35		1420 1410			35	GC	Clayey Gravel, GC, dark gray (5Y 4/1), wet, 50% fine gravel, 30% fine to coarse sand, 20% clay.	256
						36			
						37			
						38			
						39			
						40			

Recovery Sample

Comments:



SOIL BORING/WELL CONSTRUCTION LOG

Boring No. IW-9

Sheet: 1 of 2

Client	German Autocraft	Date	September 27, 2016
Address	301 East 14th Street San Leandro, California	Drilling Co.	Penecore rig type: GP 7822DT
Project No.	2076-0301-01	Driller	Shaun
Logged By:	Allan Dudding	Method	Direct-push/HSA Hole Diameter: 8 inches
Well Pack	sand: 32 ft. to 35 ft. bent.: 30 ft. to 32 ft. grout: 0 ft. to 30 ft.	Well Construction	Casing Material: Schedule 80 PVC Casing Diameter: 1 in. Depth to GW: ▽ first encountered: 26 feet bgs
			Screen Interval: 33 to 35 ft. Screen Slot Size: ceramic sparge ▼ Static:

Sample Type	Sample No.	Blow Count	Sample		Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
			Time	Recov.					
							Borehole hand-cleared to 5 feet bgs.		
						1			
						2			
						3			
						4			
						5			
						6		0	
						7	Excavation backfill.		
						8			
						9	CL Silty Clay, CL, dark brown (10YR 3/3), moist, medium plasticity, 70% clay, 30% silt.		
S	IW-9-10		1707			10		0	
						11			
						12			
						13			
						14			
S	IW-9-15		1712			15	ML Clayey Silt, ML, brown (10YR 4/3), moist, low plasticity, 60% silt, 40% clay.	0	
						16			
						17	CL Silty Clay, CL, brown (10YR 4/3), moist, medium plasticity, 70% clay, 30% silt.		
						18			
						19			
S	IW-9-20		1715			20	As above, color changes to dark gray (5Y 4/1).	0	

Recovery Sample

Comments:



SOIL BORING/WELL CONSTRUCTION LOG

Boring No. IW-9

Sheet: 2 of 2

Client	German Autocraft	Date	September 27, 2016	
Address	301 East 14th Street	Drilling Co.	Penecore	rig type: GP 7822DT
	San Leandro, California	Driller	Shaun	
Project No.	2076-0301-01	Method	Direct-push/HSA	Hole Diameter: 8 inches
Logged By:	Allan Dudding	Sampler:	1.5-inch x 5-foot PVC sample liner	
Well Pack	sand: 32 ft. to 35 ft.	Well Construction	Casing Material: Schedule 80 PVC	Screen Interval: 33 to 35 ft.
	bent.: 30 ft. to 32 ft.		Casing Diameter: 1 in.	Screen Slot Size: ceramic sparge
	grout: 0 ft. to 30 ft.	Depth to GW:	▽ first encountered: 26 feet bgs	▼ Static:

Sample Type	Sample No.	Blow Count	Sample		Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
			Time	Recov.					
						21	CL	Silty Clay, CL, dark gray (5Y 4/1), moist, medium plasticity, 70% clay, 30% silt.	12.1
						22			
						23			
						24			
S	IW-9-25		1718			25	ML	Clayey Silt, ML, dark gray (5Y 4/1), moist, low plasticity, 60% silt, 40% clay.	812
						26			
						27			
						28			
						29	SM	Silty Sand, SM, dark gray (5Y 4/1), wet, 60% fine sand, 40% silt.	
S	IW-9-30		1740			30			1,000+
						31			
						32	ML	Sandy Silt, ML, dark gray (5Y 4/1), wet, 70% silt, 30% fine sand.	
						33			
W	IW-9		1733			34	SC-SM	Clayey, Silty Sand, SC-SM, dark gray (5Y 4/1), wet, 70% fine to coarse sand, 15% silt, 15% clay, trace fine gravel.	
S	IW-9-35		1743			35			1,000+
						36			
						37			
						38			
						39			
						40			

Recovery Sample

Comments:



SOIL BORING/WELL CONSTRUCTION LOG

Boring No. IW-10

Sheet: 1 of 2

Client	German Autocraft	Date	September 29, 2016
Address	301 East 14th Street San Leandro, California	Drilling Co.	Penecore rig type: GP 7822DT
Project No.	2076-0301-01	Driller	Shaun
Logged By:	Allan Dudding	Method	Direct-push/HSA Hole Diameter: 8 inches
		Sampler:	1.5-inch x 5-foot PVC sample liner
Well Pack	sand: 32 ft. to 35 ft. bent.: 30 ft. to 32 ft. grout: 0 ft. to 30 ft.	Well Construction	Casing Material: Schedule 80 PVC Casing Diameter: 1 in. Screen Interval: 33 to 35 ft. Screen Slot Size: ceramic sparge
		Depth to GW:	▽ first encountered: 28 feet bgs ▽ Static:

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
						1		Borehole hand-cleared to 5 feet bgs.	
						2			
						3			
						4			
						5	CL	Silty Clay, CL, very dark grayish brown (10YR 3/2), moist, low plasticity, 60% clay, 40% silt.	
						6			
						7			
						8			
						9	CL	Clay With Silt, CL, very dark brown (10YR 2/2), moist, medium plasticity, 80% clay, 20% silt.	
S	IW-10-10		0800			10			0
						11			
						12			
						13	CL	Silty Clay, CL, dark yellowish brown (10YR 4/4), moist, low plasticity, 60% clay, 40% silt.	
						14			
S	IW-10-15		0805			15			0
						16			
						17	ML	Clayey, Sandy Silt, ML, dark yellowish brown (10YR 4/4), moist, low plasticity, 50% silt, 30% clay, 20% fine sand.	
						18	CL	Silty Clay, CL, dark yellowish brown (10YR 4/4), moist, low plasticity, 60% clay, 40% silt.	
						19			
S	IW-10-20		0810			20		As above, color changes to dark gray (5Y 4/1).	0

Recovery Sample

Comments:



SOIL BORING/WELL CONSTRUCTION LOG

Boring No. IW-10

Sheet: 2 of 2

Client	German Autocraft	Date	September 29, 2016
Address	301 East 14th Street San Leandro, California	Drilling Co.	Penecore rig type: GP 7822DT
Project No.	2076-0301-01	Driller	Shaun
Logged By:	Allan Dudding	Method	Direct-push/HSA Hole Diameter: 8 inches
Well Pack	sand: 32 ft. to 35 ft. bent.: 30 ft. to 32 ft. grout: 0 ft. to 30 ft.	Sampler:	1.5-inch x 5-foot PVC sample liner
Well Construction	Casing Material: Schedule 80 PVC	Screen Interval:	33 to 35 ft.
	Casing Diameter: 1 in.	Screen Slot Size:	ceramic sparge
Depth to GW:	▽ first encountered: 28 feet bgs	▼ Static:	

Sample Type	Sample No.	Blow Count	Sample		Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
			Time	Recov.					
						21	CL	Silty Clay, CL, dark yellowish brown (10YR 4/4), moist, low plasticity, 60% clay, 40% silt.	
						22			
						23			
						24			
S	IW-10-25		0815			25	ML	Clayey Silt, ML, dark gray (5Y 4/1), moist to wet, low plasticity, 60% silt, 40% clay.	4.9
						26			
						27			
						28	▽	As above, wet.	
						29			
S	IW-10-30		0822			30			33.7
						31			
						32		As above, with trace fine sand.	
						33			
W	IW-10		1051			34	SM	Silty Sand, SM, dark gray (5Y 4/1), wet, 70% fine sand, 30% silt.	
S	IW-10-35		0827			35			0
						36			
						37			
						38			
						39			
						40			

Recovery Sample

Comments:



APPENDIX C

CERTIFIED ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Trevor Hartwell
Phone: (530) 313-9966
Fax: (530) 676-6005
Date Received : 10/06/16

Job: German Auto

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B
Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B
Volatile Organic Compounds (VOCs) EPA Method SW8260B

	Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	IW-7-24				
Lab ID :	STR16100622-01A	TPH-P (GRO)	1,800,000	100,000 µg/Kg	10/06/16 11:45
Date Sampled	09/26/16 10:42	Benzene	ND V	500 µg/Kg	10/06/16 11:45
		Toluene	770	500 µg/Kg	10/06/16 11:45
		Ethylbenzene	32,000	500 µg/Kg	10/06/16 11:45
		m,p-Xylene	90,000	500 µg/Kg	10/06/16 11:45
		o-Xylene	37,000	500 µg/Kg	10/06/16 11:45
Client ID :	IW-7-35				
Lab ID :	STR16100622-02A	TPH-P (GRO)	ND	1,000 µg/Kg	10/06/16 11:45
Date Sampled	09/26/16 10:55	Benzene	ND	5.0 µg/Kg	10/06/16 11:45
		Toluene	ND	5.0 µg/Kg	10/06/16 11:45
		Ethylbenzene	ND	5.0 µg/Kg	10/06/16 11:45
		m,p-Xylene	ND	5.0 µg/Kg	10/06/16 11:45
		o-Xylene	ND	5.0 µg/Kg	10/06/16 11:45
Client ID :	IW-7				
Lab ID :	STR16100622-03A	TPH-P (GRO)	16,000	3,000 µg/L	10/07/16 14:49
Date Sampled	09/26/16 11:10	Benzene	ND V	15 µg/L	10/07/16 14:49
		Toluene	49	15 µg/L	10/07/16 14:49
		Ethylbenzene	570	15 µg/L	10/07/16 14:49
		m,p-Xylene	1,100	15 µg/L	10/07/16 14:49
		o-Xylene	410	15 µg/L	10/07/16 14:49
Client ID :	IW-6-25				
Lab ID :	STR16100622-04A	TPH-P (GRO)	2,700,000	200,000 µg/Kg	10/06/16 11:45
Date Sampled	09/26/16 15:05	Benzene	ND V	1,000 µg/Kg	10/06/16 11:45
		Toluene	1,100	1,000 µg/Kg	10/06/16 11:45
		Ethylbenzene	49,000	1,000 µg/Kg	10/06/16 11:45
		m,p-Xylene	160,000	1,000 µg/Kg	10/06/16 11:45
		o-Xylene	49,000	1,000 µg/Kg	10/06/16 11:45
Client ID :	IW-6-34				
Lab ID :	STR16100622-05A	TPH-P (GRO)	2,900	1,000 µg/Kg	10/06/16 11:45
Date Sampled	09/26/16 15:18	Benzene	ND	5.0 µg/Kg	10/06/16 11:45
		Toluene	ND	5.0 µg/Kg	10/06/16 11:45
		Ethylbenzene	15	5.0 µg/Kg	10/06/16 11:45
		m,p-Xylene	37	5.0 µg/Kg	10/06/16 11:45
		o-Xylene	13	5.0 µg/Kg	10/06/16 11:45



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Client ID :	IW-6								
Lab ID :	STR16100622-06A	TPH-P (GRO)	44,000		8,000 µg/L	10/07/16 16:00	10/07/16 16:00		
Date Sampled	09/26/16 15:30	Benzene	ND	V	40 µg/L	10/07/16 16:00	10/07/16 16:00		
		Toluene	280		40 µg/L	10/07/16 16:00	10/07/16 16:00		
		Ethylbenzene	1,700		40 µg/L	10/07/16 16:00	10/07/16 16:00		
		m,p-Xylene	5,000		40 µg/L	10/07/16 16:00	10/07/16 16:00		
		o-Xylene	1,800		40 µg/L	10/07/16 16:00	10/07/16 16:00		
Client ID :	IW-5-25								
Lab ID :	STR16100622-07A	TPH-P (GRO)	4,800,000		600,000 µg/Kg	10/06/16 11:45	10/10/16 13:39		
Date Sampled	09/27/16 10:13	Benzene	ND	V	3,000 µg/Kg	10/06/16 11:45	10/10/16 13:39		
		Toluene	120,000		3,000 µg/Kg	10/06/16 11:45	10/10/16 13:39		
		Ethylbenzene	120,000		3,000 µg/Kg	10/06/16 11:45	10/10/16 13:39		
		m,p-Xylene	420,000		3,000 µg/Kg	10/06/16 11:45	10/10/16 13:39		
		o-Xylene	170,000		3,000 µg/Kg	10/06/16 11:45	10/10/16 13:39		
Client ID :	IW-5-35								
Lab ID :	STR16100622-08A	TPH-P (GRO)	37,000		2,000 µg/Kg	10/06/16 11:45	10/10/16 20:03		
Date Sampled	09/27/16 10:30	Benzene	ND	V	10 µg/Kg	10/06/16 11:45	10/10/16 20:03		
		Toluene	ND	V	10 µg/Kg	10/06/16 11:45	10/10/16 20:03		
		Ethylbenzene	18		10 µg/Kg	10/06/16 11:45	10/10/16 20:03		
		m,p-Xylene	27		10 µg/Kg	10/06/16 11:45	10/10/16 20:03		
		o-Xylene	ND	V	10 µg/Kg	10/06/16 11:45	10/10/16 20:03		
Client ID :	IW-5								
Lab ID :	STR16100622-09A	TPH-P (GRO)	12,000		3,000 µg/L	10/07/16 15:13	10/07/16 15:13		
Date Sampled	09/27/16 10:35	Benzene	56		15 µg/L	10/07/16 15:13	10/07/16 15:13		
		Toluene	500		15 µg/L	10/07/16 15:13	10/07/16 15:13		
		Ethylbenzene	380		15 µg/L	10/07/16 15:13	10/07/16 15:13		
		m,p-Xylene	960		15 µg/L	10/07/16 15:13	10/07/16 15:13		
		o-Xylene	330		15 µg/L	10/07/16 15:13	10/07/16 15:13		
Client ID :	IW-8-4.5								
Lab ID :	STR16100622-10A	TPH-P (GRO)	ND		1,000 µg/Kg	10/06/16 13:07	10/10/16 12:21		
Date Sampled	09/27/16 13:35	Benzene	ND		5.0 µg/Kg	10/06/16 13:07	10/10/16 12:21		
		Toluene	ND		5.0 µg/Kg	10/06/16 13:07	10/10/16 12:21		
		Ethylbenzene	ND		5.0 µg/Kg	10/06/16 13:07	10/10/16 12:21		
		m,p-Xylene	ND		5.0 µg/Kg	10/06/16 13:07	10/10/16 12:21		
		o-Xylene	ND		5.0 µg/Kg	10/06/16 13:07	10/10/16 12:21		
		Naphthalene	ND		40 µg/Kg	10/06/16 13:07	10/10/16 12:21		
Client ID :	IW-8-30								
Lab ID :	STR16100622-11A	TPH-P (GRO)	11,000,000		1,600,000 µg/Kg	10/06/16 13:07	10/10/16 20:52		
Date Sampled	09/27/16 14:07	Benzene	ND	V	8,000 µg/Kg	10/06/16 13:07	10/10/16 20:52		
		Toluene	210,000		8,000 µg/Kg	10/06/16 13:07	10/10/16 20:52		
		Ethylbenzene	300,000		8,000 µg/Kg	10/06/16 13:07	10/10/16 20:52		
		m,p-Xylene	1,000,000		8,000 µg/Kg	10/06/16 13:07	10/10/16 20:52		
		o-Xylene	390,000		8,000 µg/Kg	10/06/16 13:07	10/10/16 20:52		
Client ID :	IW-8-35								
Lab ID :	STR16100622-12A	TPH-P (GRO)	210,000		16,000 µg/Kg	10/06/16 13:07	10/10/16 20:28		
Date Sampled	09/27/16 14:10	Benzene	ND	V	80 µg/Kg	10/06/16 13:07	10/10/16 20:28		
		Toluene	ND	V	80 µg/Kg	10/06/16 13:07	10/10/16 20:28		
		Ethylbenzene	480		80 µg/Kg	10/06/16 13:07	10/10/16 20:28		
		m,p-Xylene	340		80 µg/Kg	10/06/16 13:07	10/10/16 20:28		
		o-Xylene	ND	V	80 µg/Kg	10/06/16 13:07	10/10/16 20:28		
Client ID :	IW-8								
Lab ID :	STR16100622-13A	TPH-P (GRO)	12,000		3,000 µg/L	10/07/16 15:37	10/07/16 15:37		
Date Sampled	09/27/16 14:20	Benzene	36		15 µg/L	10/07/16 15:37	10/07/16 15:37		
		Toluene	510		15 µg/L	10/07/16 15:37	10/07/16 15:37		
		Ethylbenzene	350		15 µg/L	10/07/16 15:37	10/07/16 15:37		
		m,p-Xylene	1,100		15 µg/L	10/07/16 15:37	10/07/16 15:37		
		o-Xylene	430		15 µg/L	10/07/16 15:37	10/07/16 15:37		



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Client ID :	IW-4-25					
Lab ID :	STR16100622-14A	TPH-P (GRO)	1,500	1,000 µg/Kg	10/06/16 13:07	10/10/16 13:10
Date Sampled	09/27/16 15:36	Benzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 13:10
		Toluene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 13:10
		Ethylbenzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 13:10
		m,p-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 13:10
		o-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 13:10
Client ID :	IW-4-34					
Lab ID :	STR16100622-15A	TPH-P (GRO)	ND	1,000 µg/Kg	10/06/16 13:07	10/10/16 12:45
Date Sampled	09/27/16 15:54	Benzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 12:45
		Toluene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 12:45
		Ethylbenzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 12:45
		m,p-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 12:45
		o-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 12:45
Client ID :	IW-4					
Lab ID :	STR16100622-16A	TPH-P (GRO)	350	50 µg/L	10/07/16 16:48	10/07/16 16:48
Date Sampled	09/27/16 16:00	Benzene	21	0.50 µg/L	10/07/16 16:48	10/07/16 16:48
		Toluene	ND	0.50 µg/L	10/07/16 16:48	10/07/16 16:48
		Ethylbenzene	ND	0.50 µg/L	10/07/16 16:48	10/07/16 16:48
		m,p-Xylene	0.92	0.50 µg/L	10/07/16 16:48	10/07/16 16:48
		o-Xylene	ND	0.50 µg/L	10/07/16 16:48	10/07/16 16:48
Client ID :	IW-2-4.5					
Lab ID :	STR16100622-17A	TPH-P (GRO)	ND	1,000 µg/Kg	10/06/16 13:07	10/10/16 13:35
Date Sampled	09/27/16 16:22	Benzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 13:35
		Toluene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 13:35
		Ethylbenzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 13:35
		m,p-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 13:35
		o-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 13:35
		Naphthalene	ND	40 µg/Kg	10/06/16 13:07	10/10/16 13:35
Client ID :	IW-2-30					
Lab ID :	STR16100622-18A	TPH-P (GRO)	11,000	1,000 µg/Kg	10/06/16 13:07	10/10/16 14:48
Date Sampled	09/27/16 16:48	Benzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 14:48
		Toluene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 14:48
		Ethylbenzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 14:48
		m,p-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 14:48
		o-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 14:48
Client ID :	IW-2-35					
Lab ID :	STR16100622-19A	TPH-P (GRO)	ND	1,000 µg/Kg	10/06/16 13:07	10/10/16 15:13
Date Sampled	09/27/16 16:55	Benzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 15:13
		Toluene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 15:13
		Ethylbenzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 15:13
		m,p-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 15:13
		o-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 15:13
Client ID :	IW-2					
Lab ID :	STR16100622-20A	TPH-P (GRO)	1,000	50 µg/L	10/07/16 17:11	10/07/16 17:11
Date Sampled	09/27/16 17:22	Benzene	5.6	0.50 µg/L	10/07/16 17:11	10/07/16 17:11
		Toluene	ND	0.50 µg/L	10/07/16 17:11	10/07/16 17:11
		Ethylbenzene	ND	0.50 µg/L	10/07/16 17:11	10/07/16 17:11
		m,p-Xylene	ND	0.50 µg/L	10/07/16 17:11	10/07/16 17:11
		o-Xylene	0.64	0.50 µg/L	10/07/16 17:11	10/07/16 17:11
Client ID :	IW-9-30					
Lab ID :	STR16100622-21A	TPH-P (GRO)	12,000,000	2,000,000 µg/Kg	10/06/16 13:07	10/10/16 21:17
Date Sampled	09/27/16 17:40	Benzene	13,000	10,000 µg/Kg	10/06/16 13:07	10/10/16 21:17
		Toluene	340,000	10,000 µg/Kg	10/06/16 13:07	10/10/16 21:17
		Ethylbenzene	290,000	10,000 µg/Kg	10/06/16 13:07	10/10/16 21:17
		m,p-Xylene	960,000	10,000 µg/Kg	10/06/16 13:07	10/10/16 21:17
		o-Xylene	380,000	10,000 µg/Kg	10/06/16 13:07	10/10/16 21:17



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Client ID :	IW-9-35							
Lab ID :	STR16100622-22A	TPH-P (GRO)	2,200	1,000 µg/Kg	10/06/16 13:07	10/10/16 15:13		
Date Sampled	09/27/16 17:43	Benzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 15:37		
		Toluene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 15:37		
		Ethylbenzene	19	5.0 µg/Kg	10/06/16 13:07	10/10/16 15:37		
		m,p-Xylene	26	5.0 µg/Kg	10/06/16 13:07	10/10/16 15:37		
		o-Xylene	6.9	5.0 µg/Kg	10/06/16 13:07	10/10/16 15:37		
Client ID :	IW-9							
Lab ID :	STR16100622-23A	TPH-P (GRO)	210,000	30,000 µg/L	10/07/16 16:24	10/07/16 16:24		
Date Sampled	09/27/16 17:33	Benzene	4,200	150 µg/L	10/07/16 16:24	10/07/16 16:24		
		Toluene	6,100	150 µg/L	10/07/16 16:24	10/07/16 16:24		
		Ethylbenzene	8,600	150 µg/L	10/07/16 16:24	10/07/16 16:24		
		m,p-Xylene	17,000	150 µg/L	10/07/16 16:24	10/07/16 16:24		
		o-Xylene	6,800	150 µg/L	10/07/16 16:24	10/07/16 16:24		
Client ID :	IW-10-30							
Lab ID :	STR16100622-24A	TPH-P (GRO)	5,700	1,000 µg/Kg	10/06/16 13:07	10/10/16 16:01		
Date Sampled	09/29/16 08:22	Benzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 16:01		
		Toluene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 16:01		
		Ethylbenzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 16:01		
		m,p-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 16:01		
		o-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 16:01		
Client ID :	IW-10-35							
Lab ID :	STR16100622-25A	TPH-P (GRO)	ND	1,000 µg/Kg	10/06/16 13:07	10/10/16 16:25		
Date Sampled	09/29/16 08:27	Benzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 16:25		
		Toluene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 16:25		
		Ethylbenzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 16:25		
		m,p-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 16:25		
		o-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 16:25		
Client ID :	IW-10							
Lab ID :	STR16100622-26A	TPH-P (GRO)	770	200 µg/L	10/07/16 18:22	10/07/16 18:22		
Date Sampled	09/29/16 08:35	Benzene	ND	1.0 µg/L	10/07/16 18:22	10/07/16 18:22		
		Toluene	ND	1.0 µg/L	10/07/16 18:22	10/07/16 18:22		
		Ethylbenzene	ND	1.0 µg/L	10/07/16 18:22	10/07/16 18:22		
		m,p-Xylene	ND	1.0 µg/L	10/07/16 18:22	10/07/16 18:22		
		o-Xylene	ND	1.0 µg/L	10/07/16 18:22	10/07/16 18:22		
Client ID :	IW-3-4.5							
Lab ID :	STR16100622-27A	TPH-P (GRO)	ND	1,000 µg/Kg	10/06/16 13:07	10/10/16 16:49		
Date Sampled	09/29/16 10:48	Benzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 16:49		
		Toluene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 16:49		
		Ethylbenzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 16:49		
		m,p-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 16:49		
		o-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 16:49		
		Naphthalene	ND	40 µg/Kg	10/06/16 13:07	10/10/16 16:49		
Client ID :	IW-3-30							
Lab ID :	STR16100622-28A	TPH-P (GRO)	1,500	1,000 µg/Kg	10/06/16 13:07	10/10/16 17:13		
Date Sampled	09/29/16 11:14	Benzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 17:13		
		Toluene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 17:13		
		Ethylbenzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 17:13		
		m,p-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 17:13		
		o-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 17:13		
Client ID :	IW-3-35							
Lab ID :	STR16100622-29A	TPH-P (GRO)	1,000	1,000 µg/Kg	10/06/16 13:07	10/10/16 17:37		
Date Sampled	09/29/16 11:22	Benzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 17:37		
		Toluene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 17:37		
		Ethylbenzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 17:37		
		m,p-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 17:37		
		o-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 17:37		



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Client ID :	IW-3						
Lab ID :	STR16100622-30A	TPH-P (GRO)	1,700	50 µg/L	10/07/16 17:35	10/07/16 17:35	
Date Sampled	09/29/16 11:28	Benzene	ND	0.50 µg/L	10/07/16 17:35	10/07/16 17:35	
		Toluene	ND	0.50 µg/L	10/07/16 17:35	10/07/16 17:35	
		Ethylbenzene	1.1	0.50 µg/L	10/07/16 17:35	10/07/16 17:35	
		m,p-Xylene	ND	0.50 µg/L	10/07/16 17:35	10/07/16 17:35	
		o-Xylene	ND	0.50 µg/L	10/07/16 17:35	10/07/16 17:35	
Client ID :	IW-1-30						
Lab ID :	STR16100622-31A	TPH-P (GRO)	55,000	5,000 µg/Kg	10/06/16 13:07	10/11/16 11:30	
Date Sampled	09/29/16 14:33	Benzene	ND	V	25 µg/Kg	10/06/16 13:07	10/11/16 11:30
		Toluene	ND	V	25 µg/Kg	10/06/16 13:07	10/11/16 11:30
		Ethylbenzene	ND	V	25 µg/Kg	10/06/16 13:07	10/11/16 11:30
		m,p-Xylene	ND	V	25 µg/Kg	10/06/16 13:07	10/11/16 11:30
		o-Xylene	ND	V	25 µg/Kg	10/06/16 13:07	10/11/16 11:30
Client ID :	IW-1-35						
Lab ID :	STR16100622-32A	TPH-P (GRO)	ND	1,000 µg/Kg	10/06/16 13:07	10/11/16 11:05	
Date Sampled	09/29/16 14:40	Benzene	ND	5.0 µg/Kg	10/06/16 13:07	10/11/16 11:05	
		Toluene	ND	5.0 µg/Kg	10/06/16 13:07	10/11/16 11:05	
		Ethylbenzene	ND	5.0 µg/Kg	10/06/16 13:07	10/11/16 11:05	
		m,p-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/11/16 11:05	
		o-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/11/16 11:05	
Client ID :	IW-1						
Lab ID :	STR16100622-33A	TPH-P (GRO)	1,800	50 µg/L	10/07/16 17:59	10/07/16 17:59	
Date Sampled	09/29/16 14:50	Benzene	ND	0.50 µg/L	10/07/16 17:59	10/07/16 17:59	
		Toluene	ND	0.50 µg/L	10/07/16 17:59	10/07/16 17:59	
		Ethylbenzene	1.0	0.50 µg/L	10/07/16 17:59	10/07/16 17:59	
		m,p-Xylene	ND	0.50 µg/L	10/07/16 17:59	10/07/16 17:59	
		o-Xylene	ND	0.50 µg/L	10/07/16 17:59	10/07/16 17:59	
Client ID :	IW-8-10						
Lab ID :	STR16100622-34A	TPH-P (GRO)	ND	1,000 µg/Kg	10/06/16 13:07	10/10/16 18:50	
Date Sampled	09/27/16 13:40	Benzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 18:50	
		Toluene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 18:50	
		Ethylbenzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 18:50	
		m,p-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 18:50	
		o-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 18:50	
		Naphthalene	ND	40 µg/Kg	10/06/16 13:07	10/10/16 18:50	
Client ID :	IW-2-10						
Lab ID :	STR16100622-35A	TPH-P (GRO)	ND	1,000 µg/Kg	10/06/16 13:07	10/10/16 19:15	
Date Sampled	09/27/16 16:24	Benzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 19:15	
		Toluene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 19:15	
		Ethylbenzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 19:15	
		m,p-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 19:15	
		o-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 19:15	
		Naphthalene	ND	40 µg/Kg	10/06/16 13:07	10/10/16 19:15	
Client ID :	IW-3-10						
Lab ID :	STR16100622-36A	TPH-P (GRO)	ND	1,000 µg/Kg	10/06/16 13:07	10/10/16 19:39	
Date Sampled	09/29/16 10:51	Benzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 19:39	
		Toluene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 19:39	
		Ethylbenzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 19:39	
		m,p-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 19:39	
		o-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 19:39	
		Naphthalene	ND	40 µg/Kg	10/06/16 13:07	10/10/16 19:39	



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Client ID : **IW-2-10**

Lab ID :	STR16100622-35A	TPH-P (GRO)	ND	1,000 µg/Kg	10/06/16 13:07	10/10/16 19:15
Date Sampled	09/27/16 16:24	Benzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 19:15
		Toluene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 19:15
		Ethylbenzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 19:15
		m,p-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 19:15
		o-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 19:15
		Naphthalene	ND	40 µg/Kg	10/06/16 13:07	10/10/16 19:15

Client ID : **IW-3-10**

Lab ID :	STR16100622-36A	TPH-P (GRO)	ND	1,000 µg/Kg	10/06/16 13:07	10/10/16 19:39
Date Sampled	09/29/16 10:51	Benzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 19:39
		Toluene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 19:39
		Ethylbenzene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 19:39
		m,p-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 19:39
		o-Xylene	ND	5.0 µg/Kg	10/06/16 13:07	10/10/16 19:39
		Naphthalene	ND	40 µg/Kg	10/06/16 13:07	10/10/16 19:39

Reported in micrograms per Kilogram and micrograms per Liter, per client request.

Gasoline Range Organics (GRO) C4-C13

V = Reporting Limits were increased due to high concentrations of target analytes.

Sample results were calculated on a wet weight basis.

ND = Not Detected



Roger Scholl

Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered in any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.



[Signature]

10/11/16

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: STR16100622

Job: German Auto

Alpha's Sample ID	Client's Sample ID	Matrix	pH
16100622-03A	IW-7	Aqueous	2
16100622-06A	IW-6	Aqueous	2
16100622-09A	IW-5	Aqueous	2
16100622-13A	IW-8	Aqueous	2
16100622-16A	IW-4	Aqueous	2
16100622-20A	IW-2	Aqueous	2
16100622-23A	IW-9	Aqueous	2
16100622-26A	IW-10	Aqueous	2
16100622-30A	IW-3	Aqueous	2
16100622-33A	IW-1	Aqueous	2

10/11/16
Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
14-Oct-16

QC Summary Report

Work Order:
16100622

Method Blank		Type	Test Code: EPA Method SW8015B/C / SW8260B							
File ID: 46			Batch ID: 37269B				Analysis Date: 10/14/2016 01:08			
Sample ID:	MBLK MS15S7269B	Units : µg/Kg	Run ID: MANUAL_161013D				Prep Date: 10/06/2016 11:45			
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	1000								
Surr: 1,2-Dichloroethane-d4	210		200		105	70	130			
Surr: Toluene-d8	199		200		99	70	130			
Surr: 4-Bromofluorobenzene	251		200		126	70	130			

Laboratory Control Spike		Type	Test Code: EPA Method SW8015B/C / SW8260B							
File ID: 40			Batch ID: 37269B				Analysis Date: 10/14/2016 04:41			
Sample ID:	GLCS MS15S7269B	Units : µg/Kg	Run ID: MANUAL_161013D				Prep Date: 10/06/2016 11:45			
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	15500	2000	16000		97	56	167			
Surr: 1,2-Dichloroethane-d4	408		400		102	70	130			
Surr: Toluene-d8	392		400		98	70	130			
Surr: 4-Bromofluorobenzene	475		400		119	70	130			

Sample Matrix Spike		Type	Test Code: EPA Method SW8015B/C / SW8260B							
File ID: 51			Batch ID: 37269B				Analysis Date: 10/14/2016 05:04			
Sample ID:	16100604-01AGS	Units : µg/Kg	Run ID: MANUAL_161013D				Prep Date: 10/06/2016 11:45			
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	14600	2000	16000		0	92	57	184		
Surr: 1,2-Dichloroethane-d4	412		400		103	70	130			
Surr: Toluene-d8	392		400		98	70	130			
Surr: 4-Bromofluorobenzene	463		400		116	70	130			

Sample Matrix Spike Duplicate		Type	Test Code: EPA Method SW8015B/C / SW8260B							
File ID: 52			Batch ID: 37269B				Analysis Date: 10/14/2016 05:28			
Sample ID:	16100604-01AGSD	Units : µg/Kg	Run ID: MANUAL_161013D				Prep Date: 10/06/2016 11:45			
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	14800	2000	16000		0	93	57	184	14640	1.4(40)
Surr: 1,2-Dichloroethane-d4	410		400		102	70	130			
Surr: Toluene-d8	391		400		98	70	130			
Surr: 4-Bromofluorobenzene	449		400		112	70	130			

Comments:
Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Gasoline Range Organics (GRO) C4-C13

Reported in micrograms per Kilogram, per client request.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
14-Oct-16

QC Summary Report

Work Order:
16100622

Method Blank

Method Blank		Type	Test Code: EPA Method SW8015B/C / SW8260B							
File ID: 40		MBLK	Batch ID: MS15W1007B				Analysis Date: 10/07/2016 13:57			
Sample ID: MBLK MS15W1007B		Units : µg/L	Run ID: MANUAL_161007J				Prep Date: 10/07/2016 13:57			
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	11.3		10		113	70	130			
Surr: Toluene-d8	9.46		10		95	70	130			
Surr: 4-Bromofluorobenzene	11.1		10		111	70	130			

Laboratory Control Spike

Laboratory Control Spike		Type	Test Code: EPA Method SW8015B/C / SW8260B							
File ID: 44		LCS	Batch ID: MS15W1007B				Analysis Date: 10/07/2016 13:33			
Sample ID: GLCS MS15W1007B		Units : µg/L	Run ID: MANUAL_161007J				Prep Date: 10/07/2016 13:33			
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	382	50	400		95	70	130			
Surr: 1,2-Dichloroethane-d4	10.8		10		108	70	130			
Surr: Toluene-d8	9.54		10		95	70	130			
Surr: 4-Bromofluorobenzene	12.6		10		126	70	130			

Sample Matrix Spike

Sample Matrix Spike		Type	Test Code: EPA Method SW8015B/C / SW8260B							
File ID: 45		MS	Batch ID: MS15W1007B				Analysis Date: 10/07/2016 19:33			
Sample ID: 16100622-20AGS		Units : µg/L	Run ID: MANUAL_161007J				Prep Date: 10/07/2016 19:33			
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	3630	250	2000		1027	130	46	167		
Surr: 1,2-Dichloroethane-d4	57.5		50		115	70	130			
Surr: Toluene-d8	46.9		50		94	70	130			
Surr: 4-Bromofluorobenzene	54.7		50		109	70	130			

Sample Matrix Spike Duplicate

Sample Matrix Spike Duplicate		Type	Test Code: EPA Method SW8015B/C / SW8260B							
File ID: 46		MSD	Batch ID: MS15W1007B				Analysis Date: 10/07/2016 19:57			
Sample ID: 16100622-20AGSD		Units : µg/L	Run ID: MANUAL_161007J				Prep Date: 10/07/2016 19:57			
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	3600	250	2000		1027	128	54	143	3625	0.8(23)
Surr: 1,2-Dichloroethane-d4	57.8		50		116	70	130			
Surr: Toluene-d8	47.5		50		95	70	130			
Surr: 4-Bromofluorobenzene	54.2		50		108	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Gasoline Range Organics (GRO) C4-C13

Reported in micrograms per Liter, per client request.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
14-Oct-16

QC Summary Report

Work Order:
16100622

Method Blank

Method Blank		Type	MBLK	Test Code: EPA Method SW8260B						
File ID: 7		Batch ID: 37269		Analysis Date: 10/14/2016 01:08						
Sample ID:	MBLK MS15S7269A	Units :	µg/Kg	Run ID:	MANUAL_161013D	Prep Date: 10/06/2016 11:45				
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene	ND	5								
Toluene	ND	5								
Ethylbenzene	ND	5								
m,p-Xylene	ND	5								
o-Xylene	ND	5								
Naphthalene	ND	40								
Surr: 1,2-Dichloroethane-d4	210		200		105	70	130			
Surr: Toluene-d8	199		200		99	70	130			
Surr: 4-Bromofluorobenzene	251		200		126	70	130			

Laboratory Control Spike

Laboratory Control Spike		Type	LCS	Test Code: EPA Method SW8260B						
File ID: 8		Batch ID: 37269		Analysis Date: 10/14/2016 03:30						
Sample ID:	LCS MS15S7269A	Units :	µg/Kg	Run ID:	MANUAL_161013D	Prep Date: 10/06/2016 11:45				
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene	403	10	400		101	70	137			
Toluene	379	10	400		95	70	139			
Ethylbenzene	366	10	400		92	70	137			
m,p-Xylene	350	10	400		88	70	145			
o-Xylene	345	10	400		86	70	145			
Surr: 1,2-Dichloroethane-d4	434		400		108	70	130			
Surr: Toluene-d8	387		400		97	70	130			
Surr: 4-Bromofluorobenzene	460		400		115	70	130			

Sample Matrix Spike

Sample Matrix Spike		Type	MS	Test Code: EPA Method SW8260B						
File ID: 9		Batch ID: 37269		Analysis Date: 10/14/2016 03:53						
Sample ID:	16100604-01AMS	Units :	µg/Kg	Run ID:	MANUAL_161013D	Prep Date: 10/06/2016 11:45				
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene	402	10	400	0	100	52	151			
Toluene	417	10	400	0	104	47	154			
Ethylbenzene	399	10	400	0	99.7	52	154			
m,p-Xylene	385	10	400	0	96	51	162			
o-Xylene	379	10	400	0	95	52	162			
Surr: 1,2-Dichloroethane-d4	416		400		104	70	130			
Surr: Toluene-d8	386		400		97	70	130			
Surr: 4-Bromofluorobenzene	486		400		122	70	130			

Sample Matrix Spike Duplicate

Sample Matrix Spike Duplicate		Type	MSD	Test Code: EPA Method SW8260B						
File ID: 10		Batch ID: 37269		Analysis Date: 10/14/2016 04:17						
Sample ID:	16100604-01AMSD	Units :	µg/Kg	Run ID:	MANUAL_161013D	Prep Date: 10/06/2016 11:45				
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene	380	10	400	0	95	52	151	401.7	5.5(30)	
Toluene	401	10	400	0	100	47	154	416.9	3.8(28)	
Ethylbenzene	380	10	400	0	95	52	154	398.8	4.7(37)	
m,p-Xylene	370	10	400	0	93	51	162	385	3.9(34)	
o-Xylene	365	10	400	0	91	52	162	378.7	3.8(40)	
Surr: 1,2-Dichloroethane-d4	408		400		102	70	130			
Surr: Toluene-d8	392		400		98	70	130			
Surr: 4-Bromofluorobenzene	475		400		119	70	130			



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
14-Oct-16

QC Summary Report

Work Order:
16100622

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
14-Oct-16

QC Summary Report

Work Order:
16100622

Method Blank

Type MBLK Test Code: EPA Method SW8260B

File ID: 1	Batch ID: MS15W1007A	Analysis Date: 10/07/2016 13:57									
Sample ID: MBLK MS15W1007A	Run ID: MANUAL_161007J	Prep Date: 10/07/2016 13:57									
Analyte	Units : µg/L	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene		ND	0.5								
Toluene		ND	0.5								
Ethylbenzene		ND	0.5								
m,p-Xylene		ND	0.5								
o-Xylene		ND	0.5								
Surr: 1,2-Dichloroethane-d4		11.3		10		113	70	130			
Surr: Toluene-d8		9.46		10		95	70	130			
Surr: 4-Bromofluorobenzene		11.1		10		111	70	130			

Laboratory Control Spike

Type LCS Test Code: EPA Method SW8260B

File ID: 2	Batch ID: MS15W1007A	Analysis Date: 10/07/2016 12:11									
Sample ID: LCS MS15W1007A	Run ID: MANUAL_161007J	Prep Date: 10/07/2016 12:11									
Analyte	Units : µg/L	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene		9.34	0.5	10		93	70	130			
Toluene		9.39	0.5	10		94	70	130			
Ethylbenzene		8.95	0.5	10		90	70	130			
m,p-Xylene		8.53	0.5	10		85	65	139			
o-Xylene		8.48	0.5	10		85	70	130			
Surr: 1,2-Dichloroethane-d4		12.1		10		121	70	130			
Surr: Toluene-d8		9.41		10		94	70	130			
Surr: 4-Bromofluorobenzene		12.1		10		121	70	130			

Sample Matrix Spike

Type MS Test Code: EPA Method SW8260B

File ID: 3	Batch ID: MS15W1007A	Analysis Date: 10/07/2016 18:46									
Sample ID: 16100622-20AMS	Run ID: MANUAL_161007J	Prep Date: 10/07/2016 18:46									
Analyte	Units : µg/L	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene		68.4	1.3	50	5.63	126	67	134			
Toluene		55	1.3	50	0	110	38	130			
Ethylbenzene		49	1.3	50	0	98	70	130			
m,p-Xylene		48	1.3	50	0	96	65	139			
o-Xylene		49.2	1.3	50	0	97	69	130			
Surr: 1,2-Dichloroethane-d4		62.2		50		124	70	130			
Surr: Toluene-d8		47		50		94	70	130			
Surr: 4-Bromofluorobenzene		57.1		50		114	70	130			

Sample Matrix Spike Duplicate

Type MSD Test Code: EPA Method SW8260B

File ID: 4	Batch ID: MS15W1007A	Analysis Date: 10/10/2016 20:29									
Sample ID: 16100622-20AMSD	Run ID: MANUAL_161007J	Prep Date: 10/10/2016 20:29									
Analyte	Units : µg/L	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Benzene		69.9	1.3	50	5.63	129	67	134	68.44	2.1(21)	
Toluene		58.1	1.3	50	0	116	38	130	54.95	5.6(20)	
Ethylbenzene		54.5	1.3	50	0	109	70	130	49.01	10.6(20)	
m,p-Xylene		52.1	1.3	50	0	104	65	139	48.04	8.2(20)	
o-Xylene		53.3	1.3	50	0	105	69	130	49.21	8.1(20)	
Surr: 1,2-Dichloroethane-d4		53.3		50		107	70	130			
Surr: Toluene-d8		45.7		50		91	70	130			
Surr: 4-Bromofluorobenzene		62.1		50		124	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA RUSH

Alpha Analytical, Inc.
 255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : STR16100622

Report Due By : 5:00 PM On : 11-Oct-16

Samples 24A-33A, 36A due 10-13-1

Client:
 Stratus Environmental
 3330 Cameron Park Drive
 Suite 550
 Cameron Park, CA 95682-8861

Report Attention	Phone Number	EEmail Address
Trevor Hartwell	(530) 313-9966 x	thartwell@stratusinc.net

EDD Required : Yes

Sampled by : Allan Dudding


PO :
 Client's COC # : 6182,6183,6184,6185 Job : German Auto

Cooler Temp	Samples Received	Date Printed
1 °C	06-Oct-16	06-Oct-16

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	Date	No. of Bottles			Requested Tests								Sample Remarks		
				Alpha	Sub	TAT	TPHP_S	TPHP_W	VOC_S	VOC_W							
STR16100622-01A	IW-7-24	SO	09/26/16 10:42	1	0	3	GAS-C			BTXE_C							
STR16100622-02A	IW-7-35	SO	09/26/16 10:55	1	0	3	GAS-C			BTXE_C							
STR16100622-03A	IW-7	AQ	09/26/16 11:10	5	0	3		GAS-C		BTXE_C							
STR16100622-04A	IW-6-25	SO	09/26/16 15:05	1	0	3	GAS-C			BTXE_C							
STR16100622-05A	IW-6-34	SO	09/26/16 15:18	1	0	3	GAS-C			BTXE_C							
STR16100622-06A	IW-6	AQ	09/26/16 15:30	5	0	3		GAS-C		BTXE_C							
STR16100622-07A	IW-5-25	SO	09/27/16 10:13	1	0	3	GAS-C			BTXE_C							
STR16100622-08A	IW-5-35	SO	09/27/16 10:30	1	0	3	GAS-C			BTXE_C							
STR16100622-09A	IW-5	AQ	09/27/16 10:35	5	0	3		GAS-C		BTXE_C							
STR16100622-10A	IW-8-4.5	SO	09/27/16 13:35	1	0	3	GAS-C			BTXE/NAPH_C							

Comments: 72 HR TAT in order to meet holding time. Confirmed with Stratus by Edana. Security seals intact. Frozen ice. Samples 24A through 33A, 36A due 10/13/16. :

Signature	Print Name	Company	Date/Time
	K Murray	Alpha Analytical, Inc.	10/6/16 1155

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA RUSH

 Page: 2 of 4

Alpha Analytical, Inc.
 255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : STR16100622
Report Due By : 5:00 PM On : 11-Oct-16

Client:
 Stratus Environmental
 3330 Cameron Park Drive
 Suite 550
 Cameron Park, CA 95682-8861

Report Attention	Phone Number	EEmail Address
Trevor Hartwell	(530) 313-9966 x	thartwell@stratusinc.net

EDD Required : Yes

Sampled by : Allan Dudding

PO :
 Client's COC # : 6182,6183,6184,6185 Job : German Auto

Cooler Temp	Samples Received	Date Printed
1 °C	06-Oct-16	06-Oct-16

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	Date	No. of Bottles			Requested Tests						Sample Remarks		
				Alpha	Sub	TAT	TPH/P_S	TPH/P_W	VOC_S	VOC_W					
STR16100622-11A	IW-8-30	SO	09/27/16 14:07	1	0	3	GAS-C		BTXE_C						
STR16100622-12A	IW-8-35	SO	09/27/16 14:10	1	0	3	GAS-C		BTXE_C						
STR16100622-13A	IW-8	AQ	09/27/16 14:20	5	0	3		GAS-C		BTXE_C					
STR16100622-14A	IW-4-25	SO	09/27/16 15:36	1	0	3	GAS-C		BTXE_C						
STR16100622-15A	IW-4-34	SO	09/27/16 15:54	1	0	3	GAS-C		BTXE_C						
STR16100622-16A	IW-4	AQ	09/27/16 16:00	5	0	3		GAS-C		BTXE_C					
STR16100622-17A	IW-2-4.5	SO	09/27/16 16:22	1	0	3	GAS-C		BTXE/NAPH_C						
STR16100622-18A	IW-2-30	SO	09/27/16 16:48	1	0	3	GAS-C		BTXE_C						
STR16100622-19A	IW-2-35	SO	09/27/16 16:55	1	0	3	GAS-C		BTXE_C						
STR16100622-20A	IW-2	AQ	09/27/16 17:22	5	0	3		GAS-C		BTXE_C					

Comments: 72 HR TAT in order to meet holding time. Confirmed with Stratus by Edana. Security seals intact. Frozen ice. Samples 24A through 33A, 36A due 10/13/16. :

Signature	Print Name	Company	Date/Time
<i>K Murray</i>	<i>K Murray</i>	Alpha Analytical, Inc.	10/6/16 1155

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
 Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

CHAIN-OF-CUSTODY RECORD

CA RUSH Page: 3 of 4

Alpha Analytical, Inc.
 255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : STR16100622
Report Due By : 5:00 PM On : 11-Oct-16

Client:
 Stratus Environmental
 3330 Cameron Park Drive
 Suite 550
 Cameron Park, CA 95682-8861

Report Attention	Phone Number	EEmail Address
Trevor Hartwell	(530) 313-9966 x	thartwell@stratusinc.net

EDD Required : Yes

Sampled by : Allan Dudding

PO :
 Client's COC # : 6182,6183,6184,6185 Job : German Auto

Cooler Temp	Samples Received	Date Printed
1 °C	06-Oct-16	06-Oct-16

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	Date	No. of Bottles			Requested Tests						Sample Remarks		
				Alpha	Sub	TAT	TPHP_S	TPHP_W	VOC_S	VOC_W					
STR16100622-21A	IW-9-30	SO	09/27/16 17:40	1	0	3	GAS-C		BTXE_C						
STR16100622-22A	IW-9-35	SO	09/27/16 17:43	1	0	3	GAS-C		BTXE_C						
STR16100622-23A	IW-9	AQ	09/27/16 17:33	5	0	3		GAS-C		BTXE_C					
STR16100622-24A	IW-10-30	SO	09/29/16 08:22	1	0	3	GAS-C		BTXE_C						
STR16100622-25A	IW-10-35	SO	09/29/16 08:27	1	0	3	GAS-C		BTXE_C						
STR16100622-26A	IW-10	AQ	09/29/16 08:35	5	0	3		GAS-C		BTXE_C					
STR16100622-27A	IW-3-4.5	SO	09/29/16 10:48	1	0	3	GAS-C		BTXE/NAPH_C						
STR16100622-28A	IW-3-30	SO	09/29/16 11:14	1	0	3	GAS-C		BTXE_C						
STR16100622-29A	IW-3-35	SO	09/29/16 11:22	1	0	3	GAS-C		BTXE_C						
STR16100622-30A	IW-3	AQ	09/29/16 11:28	5	0	3		GAS-C		BTXE_C					

Comments: 72 HR TAT in order to meet holding time. Confirmed with Stratus by Edana. Security seals intact. Frozen ice. Samples 24A through 33A, 36A due 10/13/16. :

Signature	Print Name	Company	Date/Time
<i>K Murray</i>	<i>K Murray</i>	Alpha Analytical, Inc.	10/6/16 1155

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA RUSH

 Page: 4 of 4

Alpha Analytical, Inc.
 255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : STR16100622
Report Due By : 5:00 PM On : 11-Oct-16

Client:
 Stratus Environmental
 3330 Cameron Park Drive
 Suite 550
 Cameron Park, CA 95682-8861

Report Attention	Phone Number	Email Address
Trevor Hartwell	(530) 313-9966 x	thartwell@stratusinc.net

EDD Required : Yes

Sampled by : Allan Dudding

PO :
 Client's COC # : 6182,6183,6184,6185 Job : German Auto

Cooler Temp	Samples Received	Date Printed
1 °C	06-Oct-16	06-Oct-16

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	Date	No. of Bottles			Requested Tests						Sample Remarks			
				Alpha	Sub	TAT	TPH/P_S	TPH/P_W	VOC_S	VOC_W						
STR16100622-31A	IW-1-30	SO	09/29/16 14:33	1	0	3	GAS-C			BTXE_C						
STR16100622-32A	IW-1-35	SO	09/29/16 14:40	1	0	3	GAS-C			BTXE_C						
STR16100622-33A	IW-1	AQ	09/29/16 14:50	5	0	3		GAS-C			BTXE_C					
STR16100622-34A	IW-8-10	SO	09/27/16 13:40	1	0	3	GAS-C			BTXE/NAPH_C						
STR16100622-35A	IW-2-10	SO	09/27/16 16:24	1	0	3	GAS-C			BTXE/NAPH_C						
STR16100622-36A	IW-3-10	SO	09/29/16 10:51	1	0	3	GAS-C			BTXE/NAPH_C						

Comments: 72 HR TAT in order to meet holding time. Confirmed with Stratus by Edana. Security seals intact. Frozen ice. Samples 24A through 33A, 36A due 10/13/16. :

Signature	Print Name	Company	Date/Time
<i>K Murray</i>	K Murray	Alpha Analytical, Inc.	10/6/16 1155

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:
 Company: Stratus Environmental, Inc.
 Attn: _____
 Address: _____
 City, State, Zip: _____
 Phone Number: _____ Fax: _____



Alpha Analytical, Inc.
 Main Laboratory: 255 Glendale Ave, Suite 21 Sparks, NV 89431
Satellite Service Centers:
 Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827
 Southern CA: 1007 E. Dominguez St., Suite O, Carson, CA 90746
 Northern NV: 1250 Lamoille Hwy., #310, Elko, NV 89801
 Southern NV: 6255 McLeod Ave, Suite 24, Las Vegas, NV 89120

Phone: 775-355-1044
 Fax: 775-355-0406
 Phone: 916-366-9089
 Phone: 714-386-2901
 Phone: 775-388-7043
 Phone: 702-281-4848

6182

Page # 1 of 34

Company: German Auto
 Address: 301 E. 14th St.
 City, State, Zip: San Leandro, CA

Job # _____
 Job Name: _____
 P.O. #: _____

Report Attention/Project Manager:
 Name: Trevor Hartwell
 Email Address: _____
 Phone #: _____
 Cell #: _____

QC Deliverable Info:
 EDD Required? Yes / No EDF Required? Yes / No
 Global ID: T0600100 039
 Data Validation Packages: III or IV

Samples Collected from which State? (circle one) AR CA KS NV OR WA DOD Site Other

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	# Containers** (See Key Below)	Field Filtered?		Analysis Requested			Remarks
							Yes	No	GLO	BTEX	Naphthalene	
1042	9/26	SO	STR16100622-01	IW-7-24	Std	1P		X	X			
1055		SO	02	IW-7-35		1P						
1110		AQ	03	IW-7		5V						
1505		SO	04	IW-6-25		1P						
1518		SO	05	IW-6-34		1P						
1530		AQ	06	IW-6		5V						
1013	9/27	SO	07	IW-5-25		1P						
1030		SO	08	IW-5-35		1P						
1035		AQ	09	IW-5		5V						
1335		SO	10	IW-8-4.5		1P				X		
1407		SO	11	IW-8-30		1P						

ADDITIONAL INSTRUCTIONS:

I (field sampler) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0636 (c) (2).

Sampled By: <u>Allan Dudding</u>	Date: <u>5/10/16</u>	Time: <u>1545</u>	Received by: (Signature/Affiliation): <u>[Signature]</u>	Date: <u>10/5/16</u>	Time: <u>1545</u>
Relinquished by: (Signature/Affiliation): <u>[Signature]</u>	Date: _____	Time: _____	Received by: (Signature/Affiliation): <u>[Signature]</u>	Date: <u>10/6/16</u>	Time: <u>1045</u>
Relinquished by: (Signature/Affiliation): _____	Date: _____	Time: _____	Received by: (Signature/Affiliation): _____	Date: _____	Time: _____

* Key: AQ - Aqueous OT - Other So-Soil WA - Waste ** B - Brass L - Liter O - Orbo OT - Other P - Plastic S-Soil Jar T - Tedlar V - VOA

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Billing Information:
 Company: Spratus
 Attn: _____
 Address: _____
 City, State, Zip: _____
 Phone Number: _____ Fax: _____



Alpha Analytical, Inc.
 Main Laboratory: 255 Glendale Ave, Suite 21 Sparks, NV 89431
 Satellite Service Centers:
 Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827
 Southern CA: 1007 E. Dominguez St., Suite O, Carson, CA 90746
 Northern NV: 1250 Lamoille Hwy., #310, Elko, NV 89801
 Southern NV: 6255 McLeod Ave, Suite 24, Las Vegas, NV 89120

Phone: 775-355-1044
 Fax: 775-355-0406
 Phone: 916-366-9089
 Phone: 714-386-2901
 Phone: 775-388-7043
 Phone: 702-281-4848

6184

Page # 3 of 3/4

Company: German Auto
 Address: 3012 14th St
 City, State, Zip: San Leandro, CA

Job and Purchase Order Info:
 Job # _____
 Job Name: German Auto
 P.O. #: _____

Report Attention/Project Manager:
 Name: Travis Marshall
 Email Address: _____
 Phone #: _____
 Cell #: _____

QC Deliverable Info:
 EDD Required? Yes / No EDF Required? Yes / No
 Global ID: TC600100639
 Data Validation Packages: III or IV

Samples Collected from which State? (circle one) AR CA KS NV OR WA DOD Site Other

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	# Containers* (See Key Below)	Analysis Requested			Remarks	
							Field Filtered? Yes No	GRO	BTEX		Naphthalene
1733	9/27	AQ	STR16100622-23	IW-9	Std	SU		X	X		
0822	9/29	SO	24	IW-10-30		IP					
0827		SO	25	IW-10-35		IP					
0835		AQ	26	IW-10		SU					
1048		SO	27	IW-3-4.5		IP			X		
1114		SO	28	IW-3-30		IP					
1122		SO	29	IW-3-35		IP					
1128		AQ	30	IW-3		SU					
1433		SO	31	IW-1-30		IP					
1440		SO	32	IW-1-35		IP					
1450		AQ	33	IW-1		SU					

ADDITIONAL INSTRUCTIONS:

I (field sampler) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0636 (c) (2).

Sampled By: <u>Allen Dandberg</u>	Date: <u>10/8/16</u>	Time: <u>100516</u>	Received by: (Signature/Affiliation): <u>E. Fruciano</u>	Date: <u>100516</u>	Time: <u>1545</u>
Relinquished by: (Signature/Affiliation): <u>[Signature]</u>	Date:	Time:	Received by: (Signature/Affiliation): <u>K. Murray</u>	Date: <u>10/6/16</u>	Time: <u>1095</u>
Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	Date:	Time:

* Key: AQ - Aqueous OT - Other So-Soil WA - Waste ** B - Brass L - Liter O - Orbo OT - Other P - Plastic S - Soil Jar T - Tedlar V - VOA

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

APPENDIX D

**GEOTRACKER DATA UPLOAD CONFIRMATION
SHEETS**

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

**Processing is complete. No errors were found!
Your file has been successfully submitted!**

<u>Submittal Type:</u>	EDF
<u>Report Title:</u>	Analytical Report 9-26-2016
<u>Report Type:</u>	Site Investigation
<u>Facility Global ID:</u>	T0600100639
<u>Facility Name:</u>	GERMAN AUTOCRAFT
<u>File Name:</u>	16100622_EDF.zip
<u>Organization Name:</u>	Stratus Environmental, Inc.
<u>Username:</u>	STRATUS NOCAL
<u>IP Address:</u>	50.192.223.97
<u>Submittal Date/Time:</u>	7/27/2017 3:23:14 PM
<u>Confirmation Number:</u>	9732912063

[VIEW QC REPORT](#)

[VIEW DETECTIONS REPORT](#)

Copyright © 2017 State of California

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

SUCCESS

Your GEO_BORE file has been successfully submitted!

<u>Submittal Type:</u>	GEO_BORE
<u>Facility Global ID:</u>	T0600100639
<u>Field Point:</u>	IW-1
<u>Facility Name:</u>	GERMAN AUTOCRAFT
<u>File Name:</u>	Geo_Bore IW-1.pdf
<u>Organization Name:</u>	Stratus Environmental, Inc.
<u>Username:</u>	STRATUS NOCAL
<u>IP Address:</u>	50.192.223.97
<u>Submittal Date/Time:</u>	8/1/2017 4:11:49 PM
<u>Confirmation Number:</u>	9071914911

Copyright © 2017 State of California

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

SUCCESS

Your GEO_BORE file has been successfully submitted!

<u>Submittal Type:</u>	GEO_BORE
<u>Facility Global ID:</u>	T0600100639
<u>Field Point:</u>	IW-2
<u>Facility Name:</u>	GERMAN AUTOCRAFT
<u>File Name:</u>	Geo_Bore IW-2.pdf
<u>Organization Name:</u>	Stratus Environmental, Inc.
<u>Username:</u>	STRATUS NOCAL
<u>IP Address:</u>	50.192.223.97
<u>Submittal Date/Time:</u>	8/1/2017 4:12:54 PM
<u>Confirmation Number:</u>	6486969232

Copyright © 2017 State of California

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

SUCCESS

Your GEO_BORE file has been successfully submitted!

<u>Submittal Type:</u>	GEO_BORE
<u>Facility Global ID:</u>	T0600100639
<u>Field Point:</u>	IW-3
<u>Facility Name:</u>	GERMAN AUTOCRAFT
<u>File Name:</u>	Geo_Bore IW-3.pdf
<u>Organization Name:</u>	Stratus Environmental, Inc.
<u>Username:</u>	STRATUS NOCAL
<u>IP Address:</u>	50.192.223.97
<u>Submittal Date/Time:</u>	8/1/2017 4:13:49 PM
<u>Confirmation Number:</u>	9232313692

Copyright © 2017 State of California

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

SUCCESS

Your GEO_BORE file has been successfully submitted!

<u>Submittal Type:</u>	GEO_BORE
<u>Facility Global ID:</u>	T0600100639
<u>Field Point:</u>	IW-4
<u>Facility Name:</u>	GERMAN AUTOCRAFT
<u>File Name:</u>	Geo_Bore IW-4.pdf
<u>Organization Name:</u>	Stratus Environmental, Inc.
<u>Username:</u>	STRATUS NOCAL
<u>IP Address:</u>	50.192.223.97
<u>Submittal Date/Time:</u>	8/1/2017 4:14:40 PM
<u>Confirmation Number:</u>	5833017170

Copyright © 2017 State of California

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

SUCCESS

Your GEO_BORE file has been successfully submitted!

<u>Submittal Type:</u>	GEO_BORE
<u>Facility Global ID:</u>	T0600100639
<u>Field Point:</u>	IW-5
<u>Facility Name:</u>	GERMAN AUTOCRAFT
<u>File Name:</u>	Geo_Bore IW-5.pdf
<u>Organization Name:</u>	Stratus Environmental, Inc.
<u>Username:</u>	STRATUS NOCAL
<u>IP Address:</u>	50.192.223.97
<u>Submittal Date/Time:</u>	8/1/2017 4:15:30 PM
<u>Confirmation Number:</u>	1227058112

Copyright © 2017 State of California

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

SUCCESS

Your GEO_BORE file has been successfully submitted!

<u>Submittal Type:</u>	GEO_BORE
<u>Facility Global ID:</u>	T0600100639
<u>Field Point:</u>	IW-6
<u>Facility Name:</u>	GERMAN AUTOCRAFT
<u>File Name:</u>	Geo_Bore IW-6.pdf
<u>Organization Name:</u>	Stratus Environmental, Inc.
<u>Username:</u>	STRATUS NOCAL
<u>IP Address:</u>	50.192.223.97
<u>Submittal Date/Time:</u>	8/1/2017 4:16:20 PM
<u>Confirmation Number:</u>	4980742037

Copyright © 2017 State of California

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

SUCCESS

Your GEO_BORE file has been successfully submitted!

<u>Submittal Type:</u>	GEO_BORE
<u>Facility Global ID:</u>	T0600100639
<u>Field Point:</u>	IW-7
<u>Facility Name:</u>	GERMAN AUTOCRAFT
<u>File Name:</u>	Geo_Bore IW-7.pdf
<u>Organization Name:</u>	Stratus Environmental, Inc.
<u>Username:</u>	STRATUS NOCAL
<u>IP Address:</u>	50.192.223.97
<u>Submittal Date/Time:</u>	8/1/2017 4:17:06 PM
<u>Confirmation Number:</u>	8726971566

Copyright © 2017 State of California

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

SUCCESS

Your GEO_BORE file has been successfully submitted!

<u>Submittal Type:</u>	GEO_BORE
<u>Facility Global ID:</u>	T0600100639
<u>Field Point:</u>	IW-8
<u>Facility Name:</u>	GERMAN AUTOCRAFT
<u>File Name:</u>	Geo_Bore IW-8.pdf
<u>Organization Name:</u>	Stratus Environmental, Inc.
<u>Username:</u>	STRATUS NOCAL
<u>IP Address:</u>	50.192.223.97
<u>Submittal Date/Time:</u>	8/1/2017 4:18:20 PM
<u>Confirmation Number:</u>	6147314667

Copyright © 2017 State of California

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

SUCCESS

Your GEO_BORE file has been successfully submitted!

<u>Submittal Type:</u>	GEO_BORE
<u>Facility Global ID:</u>	T0600100639
<u>Field Point:</u>	IW-9
<u>Facility Name:</u>	GERMAN AUTOCRAFT
<u>File Name:</u>	Geo_Bore IW-9.pdf
<u>Organization Name:</u>	Stratus Environmental, Inc.
<u>Username:</u>	STRATUS NOCAL
<u>IP Address:</u>	50.192.223.97
<u>Submittal Date/Time:</u>	8/1/2017 4:19:16 PM
<u>Confirmation Number:</u>	4341986298

Copyright © 2017 State of California

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

SUCCESS

Your GEO_BORE file has been successfully submitted!

<u>Submittal Type:</u>	GEO_BORE
<u>Facility Global ID:</u>	T0600100639
<u>Field Point:</u>	IW-10
<u>Facility Name:</u>	GERMAN AUTOCRAFT
<u>File Name:</u>	Geo_Bore IW-10.pdf
<u>Organization Name:</u>	Stratus Environmental, Inc.
<u>Username:</u>	STRATUS NOCAL
<u>IP Address:</u>	50.192.223.97
<u>Submittal Date/Time:</u>	8/1/2017 4:21:12 PM
<u>Confirmation Number:</u>	5740612924

Copyright © 2017 State of California