CORRECTIVE ACTION PLAN (CP-10)

Lalani Enterprises
Highway 22 Quick Stop
ADEM Facility ID: 25219-021-014089
UST Incident Number: UST18-11-01
4014 4th Avenue North
Clanton, Alabama 35045
(Chilton County)

November 23, 2019

Prepared for:
Lalani Enterprises
4014 4th Avenue North
Clanton, Alabama 35045

Prepared by:
SPHERE 3 ENGINEERING, INC
(Alabama General Contractor #49971)
3433 Sierra Drive
Hoover, Alabama 35216
Phone: (205) 403-3317

SPHERE 3 File: LE.22QS.10

SPHERE 3
ENGINEERING, INC

CERTIFICATION PAGE

I certify under penalty of law that this Corrective Action Plan and all specifications, and technical data submitted within were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiring of the person or persons who directly gathered the enclosed information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information.

Signature

Greg Hoagland, P.E.

21581

Registration Number

November 23, 2019

TABLE OF CONTENTS

UST RELEASE FACT SHEET

GENERAL INFORMATION:

SITE NAME: **Highway 22 Quick Stop**

ADDRESS: **4014 4th Avenue North, Clanton, Chilton County, AL**

FACILITY I.D. NO.: **25219-021-014089**

UST INCIDENT NO.: **UST18-11-01**

RESULTS OF EXPOSURE ASSESSMENT:

How many private drinking water wells are located within 1,000 feet of site? **None**

How many public water supply wells are located within 1 mile of site? **None**

Have any drinking water supply wells been impacted by contamination from this release? **No**

Is there an imminent threat of contamination to any drinking water wells? **No**

Have vapors or contaminated groundwater posed a threat to the public? **No**

Are any underground utilities impacted by the release? **No**

Have surface waters been impacted by the release? **No**

Is there an imminent threat of contamination of surface waters? **No**

What is the type of surrounding population? **Commercial/Residential**

CONTAMINATION DESCRIPTION:

Type of contamination at site: {**X**} Gasoline {**X**} Diesel { } Waste Oil { } Kerosene { } Other:

Free product present in wells? {**X**} Yes { } No

Max. benzene/MTBE/naphthalene concentrations measured in soil:
39.400 mg/kg benzene / 3.830 mg/kg MTBE / 32.900 mg/kg naphthalene

Max. benzene/MTBE/naphthalene concentrations in groundwater:
14.500 mg/L benzene / 25.600 mg/L MTBE / 2.260 mg/L naphthalene

ADEM UST SITE CLASSIFICATION SYSTEM CHECKLIST

Please read all of the following statements and mark either yes or no if the statement applies to your site. If you have conducted a Preliminary or Secondary Investigation, all questions should be answered. Closure site assessment reports may not provide you with all the necessary information, but answer the statements with the knowledge obtained during the closure site assessment.

SITE NAME:	Highway 22 Quick Stop
SITE ADDRESS:	4014 4th Avenue North
	Clanton (Chilton County) Alabama 35045
FACILITY I.D. NO.:	25219-021-014089
UST INCIDENT NO.:	UST18-11-01
OWNER NAME:	Mr. Peter Lalani
OWNER ADDRESS:	4014 4th Avenue North, Clanton, Alabama 35045
NAME & ADDRESS OF PERSON COMPLETING THIS FORM:	Jonathan A. Hunter, P.G. SPHERE 3 Engineering, Inc.
	3433 Sierra Drive; Hoover, Alabama 35216

CLASSIFICATION	*DESCRIPTION*	*YES*	*NO*
CLASS A	IMMEDIATE THREAT TO HUMAN HEALTH, HUMAN SAFETY OR SENSITIVE ENVIRONMENTAL RECEPTOR		
A.1	Vapor concentrations at or approaching explosive levels that could cause health effects, are present in a residence or building.	☐	☒
A.2	Vapor concentrations at or approaching explosive levels are present in subsurface utility system(s), but no buildings or residences are impacted.	☐	☒
CLASS B	IMMEDIATE THREAT TO HUMAN HEALTH, HUMAN SAFETY OR SENSITIVE ENVIRONMENTAL RECEPTOR		
B.1	An active public water supply well, public water supply line, or public surface water intake is impacted or immediately threatened.	☐	☒
B.2	An active domestic water supply well, domestic water supply line or domestic surface water intake is impacted or immediately threatened.	☐	☒
B.3	The release is located within a designated Wellhead Protection Area I.	☐	☒
CLASS C	IMMEDIATE THREAT TO HUMAN HEALTH, HUMAN SAFETY OR SENSITIVE ENVIRONMENTAL RECEPTOR		
C.1	Ambient vapor/particulate concentrations exceed concentrations of concern from an acute exposure, or safety viewpoint.	☐	☒
C.2	Free product is present on the groundwater, at ground surface, on surface water bodies, in utilities other than water supply lines, or in surface water runoff.	☒	☐

CLASSIFICATION	*DESCRIPTION*	*YES*	*NO*
CLASS D	SHORT TERM THREAT TO HUMAN HEALTH, SAFETY, OR SENSITIVE ENVIRONMENTAL RECEPTORS		
D.1	There is a potential for explosive levels, or concentrations of vapors that could cause acute effects, to accumulate in a residence or other building.	☐	☒
D.2	A non-potable water supply well is impacted or immediately threatened.	☐	☒
D.3	Shallow contaminated surface soils are open to public access, and dwellings, parks, playgrounds, day care centers, schools or similar use facilities are within 500 feet of those soils.	☐	☒
CLASS E	SHORT TERM THREAT TO HUMAN HEALTH, SAFETY, OR SENSITIVE ENVIRONMENTAL RECEPTORS		
E.1	A sensitive habitat or sensitive resources (sport fish, economically important species, threatened and endangered species, etc.) are impacted and affected.	☐	☒
CLASS F	SHORT TERM THREAT TO HUMAN HEALTH, SAFETY, OR SENSITIVE ENVIRONMENTAL RECEPTORS		
F.1	Groundwater is impacted and a public well is located within 1 mile of the site.	☐	☒
F.2	Groundwater is impacted and a domestic well is located within 1,000 feet of the site.	☐	☒
F.3	Contaminated soils and/or groundwater are located within designated Wellhead Protection Areas (Areas II or III).	☐	☒
CLASS G	SHORT TERM THREAT TO HUMAN HEALTH, SAFETY, OR SENSITIVE ENVIRONMENTAL RECEPTORS		
G.1	Contaminated soils and/or groundwater are located within areas vulnerable to contamination from surface sources.	☒	☐
GLASS H	SHORT TERM THREAT TO HUMAN HEALTH, SAFETY, OR SENSITIVE ENVIRONMENTAL RECEPTORS		
H.1	Impacted surface water, stormwater or groundwater discharges within 500 feet of a surface water body used for human drinking water, whole body water-contact sports, or habitat to a protected or listed endangered plant and animal species.	☐	☒
CLASS I	LONG TERM THREAT TO HUMAN HEALTH, SAFETY, OR SENSITIVE ENVIRONMENTAL RECEPTORS		
I.1.	Site has contaminated soils and/or groundwater but does not meet any of the above mentioned criteria.	☐	☒

ADDITIONAL COMMENTS:

Complete the classification evaluation questions listed above. Upon completion, determine the highest rank of the site (A.1 is the highest rank) based on the statements answered with a yes.

Enter the determined classification ranking:	C.2

Corrective Action Plan Certification
This Corrective Action Plan (CAP) has been developed under the guidance of and certified by Mr. Greg Hoagland, P.E., Alabama Professional Engineer #21581. The CAP certification page is presented at the beginning of this report.

INTRODUCTION

Executive Summary
As requested by the Alabama Department of Environmental Management (ADEM), this CAP has been prepared for the Lalani Enterprises facility known as Highway 22 Quick Stop, located at 4014 4th Avenue North, Clanton, Alabama (Figures 1 and 2). The subject facility has been impacted by a release of gasoline and/or diesel fuel, as identified below:

Facility I.D.: 25219-021-014089 Incident No.: UST18-11-01

CAP Objectives
The objective of the CAP is to assess that the dissolved Chemicals of Concern (COCs) concentrations and free product (if present), which characterize the subsurface plume at the facility, are being reduced and recovered by remediation by natural attenuation (RNA) supplemented with Mobile-Enhanced Multiphase Extraction (MEME) events.

Based on the results of the approved Alabama Risk Based Corrective Action (ARBCA) Tiers 1 and 2 evaluations, RNA supplemented with MEMEs may be a viable and economical method of corrective action (CA). MEMEs will provide physical removal of the dissolved COCs and free product (if present) at or near the incident source, while RNA will be used to monitor the natural reduction of dissolved COCs though degradation and possibly microbial consumption. The CA would be considered complete upon the confirmation of the reduction of dissolved COCs concentrations, through groundwater monitoring, to meet the Site Specific Target Levels (SSTLs) established by the ARBCA Tier 2 evaluation.

SUMMARY OF PREVIOUSLY CONDUCTED SITE ACTIVITIES

Site Location and Description

The subject facility is located in the northwest ¼ of Section 4, Township 21 North, Range 14 East and at 32°49'59.25" North Latitude and 86°40'32.97" West Longitude (Figure 1). The physical address of the facility is 4014 4th Avenue North, Clanton, Chilton County, Alabama. Land surface elevation at the site is approximately 645 feet above mean sea level (amsl).

The facility property is currently occupied by an active service station / convenience store and liquor store, with an attached former residence. Gasoline currently is stored and sold at the facility. The facility is surrounded by commercial and residential properties. According to the Alabama Department of Environmental Management (ADEM) Underground Storage Tank (UST) Site Classification System Checklist, the facility has a ranking of C.2.

Description of Release

SPHERE 3 Engineering, Inc. (SPHERE 3) was contracted by Lalani Enterprises to provide Response Action Contractor services for their UST facility known as Highway 22 Quick Stop in Clanton, Alabama. This CAP Evaluation Report was requested by the ADEM in a letter dated May 3, 2019. No discrepancies or irregularities were noted during operation of the UST system, and the volume of the release is not known.

Geologic and Hydrogeological Setting

According to Water-Resources Investigations Report 86-4360 (Scott and others, 1987), the subject site is located in the Fall Line Hills physiographic district of the East Gulf Coastal Plain physiographic section in Chilton County, Alabama. The Fall Line Hills is contained between the Northern Piedmont (uplands) to the northeast and the Alluvial Plain to the south. The area is characterized by flat to moderately-rolling, sandy, uplands dissected by deeply-entrenched, south-flowing streams. The land surface elevation ranges from 160-850 feet amsl. Drainage is toward the east and into the Coosa River.

Chilton County is characterized by a highly variable geologic setting. Sedimentary rocks, ranging in age from Cambrian to Mississippian are present in the northwestern part of the county. The rocks strike northeastward and dip southeast. The rocks are extremely folded and faulted and consist of limestone, dolomite, chert, and shale. Metamorphic and igneous rocks are present in the northeastern part of the county. These rocks are generally impermeable and consist of schist, gneiss, marble, quartzite and granite. Thrust faults and intrusive igneous complexes are present. Foliation planes in the metamorphic rocks typically dip toward the southeast.

The target property is situated immediately above a coastal plains unit identified as the Coker Formation. The outcrop of this formation commences a short distance north and east of the target property, overlying the rocks of the Northern Piedmont (Higgins Ferry Group). The Coker consists of a basal bed of non-marine gravel, sand and clay and an upper zone of marine sand and clay beds. These two zones are separated by a thick (50 feet) layer of clay. The formation thickness ranges from 100 feet to more than 1,000 feet across the region. The Coker is

described as light-gray to moderately-reddish-orange, poorly sorted, clayey, gravelly, fine- to very-coarse sand interbedded with grayish-green to moderately red sandy clay and well-sorted medium-grain quartz sand.

The Coker Formation is a major aquifer. Significant volumes of groundwater occur within the sand beds of this formation. Although the City of Clanton does not utilize groundwater wells, the Chilton Water Authority operates nine public water supply wells.

Soil borings installed at the facility as part of site assessment activities conducted to date encountered 40 feet of natural (unconsolidated) soil materials. The soils at each of those boring locations indicated a horizontal attitude and were consistent in lithology with depth. The general soil sequence consists of an upper sequence of variegated, slightly sandy (fine-grained) clay with mica flakes and dark mineral grains. The intermediate sequence consisted of tan-gray-brown, reddish-brown, and purplish-brown, very micaceous, slightly clayey, sand (fine- to medium-grained quartz), containing biotite and other dark mineral grains. The basal layer (below 26 feet) was formed by tan, light orange, and light gray, fine- to medium-grained silty to sandy clay. Competent bedrock (auger refusal) was not encountered. The uppermost saturated zone of groundwater was encountered between 14 and 17 feet below ground surface (bgs).

Area Water Wells and Other Potential Environmental Receptors

The subject property is located at 4014 4th Avenue North (State Road 22) in Clanton (Chilton County), Alabama. The property is located along north highway frontage, just west of the intersection with Willie Hamilton Road. The area is characterized by light-residential and agricultural/wooded land usage. The property is bound on the west by agricultural land (row crops) and a distant residential dwelling. Agricultural land and residential dwellings along Gowan Road adjoin the property on the north. Immediately adjacent to the east is a vacant restaurant (The Dog House Sandwich Shop). Beyond the restaurant are a residential dwelling and Willie Hamilton Road. The property is bound on the south by 4th Avenue North (State Road 22). Across the highway is a vacant thrift store. Slightly to the southeast is Gonzalez Mexican Food (restaurant). South of the restaurant are a residential dwelling and Pate's Mini-Storage. Across the intersection of Highway 22 and Willie Hamilton Road is the W. A. LeCroy Career Technical Center. A vacant commercial building located approximately 220 feet southeast of the site appears to have been a former service station. Land use in the immediate vicinity of the site is illustrated on Figure 2.

An inventory (area reconnaissance and utility interview) for private water supply wells revealed that there are no known onsite wells. There were no private wells observed or reported within a 1,000 foot radius of the target property. The facility and surrounding properties are supplied water by the Chilton Water Authority.

An inventory of public water supply wells revealed that there are no public water supply wells located within a one mile radius of the facility. The inventory consisted of a telephone interview with Mr. Daniel Cantley, the manager of the Chilton Water Authority. The public water supply is derived from nine public water supply wells which produce from the Coker Formation, Jemison Chert, Knox Group, and Newala Limestone. The filtration plant is located more than five miles

west of the property, on County Road 16 near Sardis, Alabama. A Source Water Assessment (SWA) has been completed which indicates that the target property is not located within the wellhead protection area established by the ADEM for this public source.

Underground utilities identified onsite included only an AT&T telecommunications cable which traverses east-west, 25 feet inside the edge of the road pavement, along the north side of State Road 22. There is no natural gas service to this vicinity (gas is provided by LP containers). The water main (Chilton Water Authority) traverses east-west along the south side of State Road 22. The line crosses under the highway at Willie Hamilton Road (to the east) and service enters the property from the north (behind the store). There were no storm sewers or diversion ditches observed in proximity to the store. There is no municipal sanitary sewer for this property. The property operates with a septic system. The City of Clanton operates a municipal sewer system which currently is not available to this location. The wastewater treatment plant is located greater than five miles away, toward the east-southeast (across Interstate I-65). All electrical power, telephone, cable television, and internet lines are located on overhead poles. Service drops from those lines to the northwest corner of the building. See Figure 4.

Compilation of Previously Conducted Site Remediation Activities
To date, Corrective Action activities conducted as a result of the incident include the soil and groundwater sampling and free product recovery activities associated with the Preliminary and Secondary Investigations, Additional Monitor Well Installation activities, and two interim groundwater monitoring events.

Compilation of Free Product Data from Site Investigations
To date, free product has been detected in monitor well MW-10. On January 10, June 12, September 12, September 19, and October 4, 2019, free product was detected in monitor well MW-10, at apparent thicknesses of 0.07 feet, 2.08 feet, 1.68 feet, 1.54 feet, and 0.81 feet, respectively. To date, approximately 3.5 gallons of free product have been recovered from monitor well MW-10, via manual bailing. Historical monitor well gauging worksheets are provided as Appendix A.

Compilation of Soil Data from Site Investigations
A total of 38 soil samples were submitted for laboratory analysis as part of the investigative activities. These samples were analyzed for COCs benzene, toluene, ethylbenzene and xylenes (BTEX), methyl tert-butyl ether (MTBE) and naphthalene using Environmental Protection Agency (EPA) method 8260B, and for polynuclear aromatic hydrocarbon (PAH) compounds using EPA method 8270C. A summary of the results of the soil analyses is presented in Table 1 and depicted on Figure 5. A copy of the historical laboratory analytical reports is presented as Appendix B.

As shown in Table 1, soil samples yielding COCs concentrations above the SSTLs protective of the Groundwater Resource Protection (GRP) area were detected in soil samples collected from soil borings SB-3, SB-10, SB-13, and SB-DW1.

TABLE 1
HIGHWAY 22 QUICK STOP (UST18-11-01)
COCs IN SOILS ANALYTICAL SUMMARY

BORING	DEPTH (feet)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	MTBE (mg/kg)	NAPH-THALENE (mg/kg)
SB-1	10	<0.005	<0.005	<0.005	<0.015	<0.005	<0.050
	15	0.185	0.013	0.014	0.277	<0.005	<0.050
SB-2	10	0.011	<0.005	<0.005	<0.015	<0.005	<0.050
	15	0.600	2.140	0.596	3.310	0.476	0.330
SB-3	10	0.151	0.011	0.078	0.161	0.535	<0.050
	15	**25.400**	344.000	133.000	601.000	**2.220**	31.900
SB-4	10	<0.005	<0.005	<0.005	<0.015	<0.005	<0.050
	15	0.083	0.269	5.280	24.800	<0.005	7.200
SB-5	10	0.012	0.073	0.011	0.060	<0.005	<0.050
	15	0.046	0.418	0.107	0.654	<0.005	0.094
SB-6	10	0.010	0.046	<0.005	<0.015	<0.005	<0.050
	15	0.016	0.091	0.006	0.030	<0.005	<0.050
SB-7	10	<0.005	0.011	<0.005	<0.015	<0.005	<0.050
	15	<0.005	0.009	<0.005	<0.015	<0.005	<0.050
SB-8	10	0.016	0.086	0.006	0.030	<0.005	<0.050
	15	<0.005	0.022	<0.005	<0.015	<0.005	<0.050
SB-9	10	<0.005	0.005	<0.005	<0.015	<0.005	<0.050
	15	1.040	18.100	9.860	48.300	0.353	5.350
SB-10	10	**3.440**	62.000	23.400	123.000	1.060	7.300
	15	0.853	15.100	7.800	37.000	0.651	4.180
SB-11	10	0.030	0.128	0.010	0.046	<0.005	<0.050
	15	0.012	<0.005	<0.005	<0.015	0.015	<0.050
SB-12	10	0.006	0.032	<0.005	0.017	<0.005	<0.050
	15	<0.005	0.012	0.013	0.079	<0.005	<0.050
SB-13	10	**3.140**	74.400	35.400	172.000	0.246	8.550
	15	**4.760**	105.000	55.200	243.000	**2.780**	15.900
SB-14	10	<0.005	<0.005	<0.005	<0.015	<0.005	<0.050
	15	<0.005	<0.005	<0.005	<0.015	<0.005	<0.050
SB-15	10	<0.005	<0.005	<0.005	<0.015	<0.005	<0.050
	15	<0.005	<0.005	<0.005	<0.015	<0.005	<0.050
SB-16	10	<0.005	<0.005	<0.005	<0.015	<0.005	<0.050
	15	<0.005	<0.005	<0.005	<0.015	0.007	<0.050
SSTL GRP	*any*	*1.900*	*831.000*	*683.000*	*858.000*	*1.760*	*137.000*

Note:
mg/kg – milligrams per kilogram
SSTL GRP – Site Specific Target Level protective of the Groundwater Resource Protection area.
Bold Print – COC data listed in **bold** print indicates an exceedance of the GRP SSTL.

TABLE 1 - Concluded
HIGHWAY 22 QUICK STOP (UST18-11-01)
COCs IN SOILS ANALYTICAL SUMMARY

BORING	DEPTH (feet)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	MTBE (mg/kg)	NAPH-THALENE (mg/kg)
SB-17	10	<0.005	<0.005	<0.005	<0.015	<0.005	<0.050
	15	<0.005	0.008	0.094	0.520	<0.005	<0.050
SB-18	10	<0.005	<0.005	<0.005	<0.015	<0.005	<0.050
	15	<0.005	<0.005	<0.005	<0.015	<0.005	<0.050
SB-DW1	10	**5.320**	95.600	52.400	240.000	1.550	21.100
	15	**39.400**	369.000	145.000	616.000	**3.830**	32.900
SSTL GRP	*any*	*1.900*	*831.000*	*683.000*	*858.000*	*1.760*	*137.000*

Note:
mg/kg – milligrams per kilogram
SSTL GRP – Site Specific Target Level protective of the Groundwater Resource Protection area.
Bold Print – COC data listed in **bold** print indicates an exceedance of the GRP SSTL.

Compilation of Groundwater Data

As shown on Figure 4, the facility's current monitor well network consists of 18 Type II monitor wells (MW-1 through MW-18) and one Type III monitor well (MW-DW1). The most recent monitor well gauging event at the site was conducted on September 12, 2019. On that date, free product was detected in monitor well MW-10, at an apparent thickness of 1.68 feet. Depths to groundwater as measured in the Type II monitor wells ranged from 12.25 feet below the top of well casing (btoc) in monitor well MW-7 to 18.22 feet btoc in monitor well MW-16. Monitor well MW-6 was dry. Groundwater elevations as measured in the Type II monitor wells ranged from 626.01 feet above mean sea level (amsl) in monitor well MW-14 to 630.76 feet amsl in monitor well MW-4. The depth to water in Type III monitor well MW-DW1 was 34.15 feet btoc, and the corresponding groundwater elevation was 609.37 feet amsl. Interpretation of these data indicates a predominant groundwater flow direction to the southwest, under an average hydraulic gradient of approximately 2.7 feet per 100 feet. The groundwater elevation data collected on September 12, 2019 are presented on Figure 6. Historical monitor well gauging worksheets are provided as Appendix A.

To monitor the dissolved plume, groundwater samples have been collected at each monitor well as part of the various phases of investigative activities. Copies of the historical groundwater laboratory analytical reports are presented as Appendix C. A historical summary of dissolved COCs data is presented in Appendix D.

As indicated in the historical dissolved COCs summary in Appendix D, dissolved COCs concentrations above the applicable SSTLs have been detected in monitor wells MW-1, MW-2, MW-3, MW-9, MW-11, MW-13, MW-15, and MW-18. During the most recent sampling event of September 12, 2019, dissolved COCs concentrations exceeding applicable SSTLs were detected in monitor wells MW-2, MW-3, MW-9, MW-13, MW-15, and MW-18. By definition, the

presence of free product as previously detected in monitor well MW-10 also constitutes an exceedance of applicable SSTLs for each COC.

The dissolved COCs concentrations as measured during the most recent groundwater sampling event conducted on September 12, 2019 are depicted on Figure 7.

Summary of the ARBCA Evaluation as Compared to Current Data

SSTLs for soil and groundwater have been generated for the facility through a Tier 2 ARBCA evaluation. The results of the Tier 2 evaluation indicated that COCs concentrations exceeding applicable SSTLs were detected in soil samples collected from soil borings SB-2, SB-10, SB-13, and SB-DW1. Specifically, the benzene concentration in the sample collected from the 15-foot depth interval in soil boring SB-3, the 10-foot depth interval in soil boring SB-10, and the 10-foot and 15-foot depth intervals in soil borings SB-13 and SB-DW1 exceeded the applicable SSTL of 1.900 milligrams per kilogram (mg/kg). The MTBE concentration in the sample collected from the 15-foot depth interval in soil borings SB-3, SB-13, and SB-DW1 exceeded the applicable SSTL of 1.760 mg/kg. The SSTLs protective of the GRP for soils are the most stringent of the Tier 2 target levels, including those generated for any reasonably completed human exposure pathways.

Historical groundwater analytical data for the site are summarized in Appendix D. This historical summary also includes the ARBCA Tier 2 SSTLs protective of the GRP area. As shown in this summary, during the most recent groundwater sampling event (September 12, 2019), the dissolved benzene and MTBE concentrations in groundwater samples collected from monitor wells MW-2 and MW-13 exceeded the applicable SSTLs of 0.392 milligrams per liter (mg/L) and 1.570 mg/L, respectively. The dissolved benzene concentration in samples collected from monitor well MW-3 exceeded the applicable SSTL of 0.392 mg/L. Dissolved benzene and MTBE concentrations in groundwater samples collected from monitor well MW-9 exceeded the applicable SSTLs of 0.390 mg/L and 1.560 mg/L, respectively. The dissolved benzene concentration in samples collected from monitor well MW-15 exceeded the applicable SSTL of 0.236 mg/L. Dissolved benzene and MTBE concentrations in groundwater samples collected from monitor well MW-18 exceeded the applicable SSTLs of 0.156 mg/L and 0.625 mg/L, respectively. On September 12, 2019, free product also was detected in monitor well MW-10, at an apparent thickness of 1.68 feet.

Concentration and Distribution of Chemicals of Concern Exceeding SSTLs

The results of the Tier 2 evaluation indicated that COCs concentrations exceeding applicable SSTLs were detected in soil samples collected from soil borings SB-2, SB-10, SB-13, and SB-DW1. The benzene concentration in the sample collected from the 15-foot depth interval in soil boring SB-3, the 10-foot depth interval in soil boring SB-10, and the 10-foot and 15-foot depth intervals in soil borings SB-13 and SB-DW1 exceeded the applicable SSTL of 1.900 milligrams mg/kg. The MTBE concentration in the sample collected from the 15-foot depth interval in soil borings SB-3, SB-13, and SB-DW1 exceeded the applicable SSTL of 1.760 mg/kg.

The most recently measured dissolved benzene and MTBE concentrations in groundwater samples collected from monitor wells MW-2 and MW-13 exceeded the applicable SSTLs of

0.392 mg/L and 1.570 mg/L, respectively. The dissolved benzene concentration in samples collected from monitor well MW-3 exceeded the applicable SSTL of 0.392 mg/L. Dissolved benzene and MTBE concentrations in groundwater samples collected from monitor well MW-9 exceeded the applicable SSTLs of 0.390 mg/L and 1.560 mg/L, respectively. The dissolved benzene concentration in samples collected from monitor well MW-15 exceeded the applicable SSTL of 0.236 mg/L. Dissolved benzene and MTBE concentrations in groundwater samples collected from monitor well MW-18 exceeded the applicable SSTLs of 0.156 mg/L and 0.625 mg/L, respectively. On September 12, 2019, free product also was detected in monitor well MW-10, at an apparent thickness of 1.68 feet.

CORRECTIVE ACTION PLAN

Source Area Remediation

The main source area appears to be located in the vicinity of monitor wells MW-3 and MW-10. Free product has been detected in monitor well MW-10. Significant concentrations of dissolved COCs exist in an area generally defined by Type II monitor wells MW-1, MW-2, MW-3, MW-9, MW-13, and MW-18. The objectives of source area remediation will be to physically recover any residual free product (if present), and to recover groundwater impacted with dissolved-phase COCs at concentrations exceeding applicable SSTLs. In an effort to achieve these objectives, quarterly Mobile-Enhanced Multiphase Extraction (MEME) events are proposed as the remedial technology. It is assumed that each MEME event will be conducted during the overnight hours for a duration of eight hours, and will target the source area.

Two (2) Type II recovery monitor wells will be installed, and will be utilized as extraction points during the MEME events. As shown on Figure 9, the recovery monitor wells will be installed in an effort to mirror existing monitor wells MW-3 and MW-10. Based on the results of the most recent groundwater sampling event, installation of three (3) additional Type II monitor wells also is proposed to further define the lateral extent of migration of the dissolved COCs plume. The proposed locations for these wells are to the west-southwest of monitor well MW-15, and to the southeast and southwest of monitor well MW-18.

The borings for the proposed recovery monitor wells will be installed using 10.25-inch outside diameter hollow-stem auger drilling equipment, while the borings for the four additional Type II monitor wells will be installed using 7.25-inch outside diameter augers. Each boring will be terminated within unconsolidated soils. The boreholes for each monitor well will be terminated at an approximate depth of 20 feet bgs. The recovery monitor wells subsequently will be constructed with 4-inch diameter schedule 40 polyvinyl chloride (PVC) materials, and the four additional Type II wells will be constructed with 2-inch diameter schedule 40 PVC materials. The construction of each well will include 15 feet of 0.01-inch slotted well screen. A graded sand pack will be emplaced in the well annulus from the bottom of each well to approximately two feet above the top of the well screen. This sand pack will be followed by a minimum of one foot of bentonite seal, and grout to near the ground surface. The surface completion for each of the proposed wells will include a steel manhole cover (12-inch diameter cover for the recovery monitor wells, and 8-inch diameter cover for the additional Type II wells) embedded within a 2-

foot x 2-foot square concrete pad, poured and finished to match the existing land grade.

During installation of the soil borings for the five (5) proposed wells, soil samples will be collected at five-foot intervals. Each soil sample will be field-screened with a photoionization detector (PID) for volatiles. Two (2) soil samples from each soil boring will be submitted for laboratory analysis of COCs BTEX, MTBE and Naphthalene using EPA Method 5035/8260B. Each soil sample also will be analyzed for moisture content using ASTM Method D2216.

Each proposed well will be allow to equilibrate prior to development. To develop each new well, SPHERE 3 personnel will attempt to purge an equivalent of four well volumes of groundwater from each well using new, single-use disposal bailers. Actual purge volumes will depend upon the groundwater recharge rates at the time of development.

A minimum of 24 hours after development of the five (5) proposed wells, each incident monitor well (including the two new recovery monitor wells and the four additional Type II monitor wells) will be purged of an equivalent of three well volumes of groundwater, or until dry. Groundwater samples will then be collected from each well. Samples collected from each well will be submitted for BTEX, MTBE and Naphthalene analysis using EPA Method 8260B. All purge liquids generated during the development and sampling activities will be temporarily stored on-site in a polyethylene tote, and will be evacuated and disposed during a subsequent MEME event.

All waste soils generated as part of the additional well installation will be temporarily stored in a lined roll-off box container. One soil sample will be collected from the cuttings, and will be submitted for total lead analysis using EPA Method 6010B. Upon completion of the proposed drilling activities, the waste soils will be disposed under the previously-approved waste certification from the ADEM Land Division (expiration date August 31, 2020). If this certification expires prior to completion of the proposed activities, receipt of a new disposal authorization from the ADEM Land Division will be required prior to disposal.

RNA is recommended for the dissolved plume associated with this incident because dissolved COCs concentrations at the facility are anticipated not to exceed SSTLs for any reasonably completed human exposure pathway. Consequently, the objective of the CAP will be to reduce the dissolved COCs plume concentrations to levels below the SSTLs protective of the GRP area through a natural degradation process.

To confirm the natural degradation process of the dissolved COCs, a quarterly groundwater monitoring program will be implemented. Groundwater monitoring will be performed to measure the success of the MEME events and to confirm that the dissolved COCs concentrations are decreasing to levels below the applicable SSTLs.

Estimated Duration of Clean-up

The estimated time (or duration) of clean-up has been based solely on experience. The duration is estimated as four years. To estimate the duration, SPHERE 3 assumes:

- no more than 12 quarterly MEME events will be required to recover any undiscovered source area free product and significantly reduce the magnitude of the source area dissolved COCs, and;

- all dissolved COCs concentrations will be stable at or below their respective SSTL within 48 months of CAP implementation.

If, after 48 months of CAP implementation, additional groundwater re-sampling or MEME events are necessary to confirm the dissolved plume degradation, the frequency of the groundwater re-sampling/MEME events may be adjusted to a 4-month interval. If, after 24 months of CAP implementation, the dissolved COCs concentrations at the plume centroid (Type II monitor wells MW-2, MW-3, MW-10, and MW-13) are not approaching or are not measured at levels below 50% of their current concentrations, an amended CAP may be submitted to propose more aggressive techniques to expedite closure.

Implementation Cost Proposals
Four quarterly ATTF Cost Proposals, CP-11 through CP-14, have been prepared and submitted herewith for the first year of CAP implementation.

PERSONNEL AND SUBCONTRACTOR QUALIFICATIONS

The activities associated with the CAP were completed by the following SPHERE 3 personnel/subcontractor:

Project Manager:	Greg Hoagland, P.E.
Report Preparation:	Jonathan A. Hunter, P.G. and Greg Hoagland, P.E.
Report Drafting:	Mark Pate
Report Production:	Karen Embry
Report Review:	Greg Hoagland, P.E.

The project was managed and supervised by Greg Hoagland, Professional Engineer. The report was prepared by Mr. Hoagland and Mr. Hunter. Mr. Hunter and Mr. Hoagland have conducted numerous Preliminary and Secondary Investigations, and have prepared numerous CAPs under the Alabama Tank Trust Fund (ATTF).

SPHERE 3
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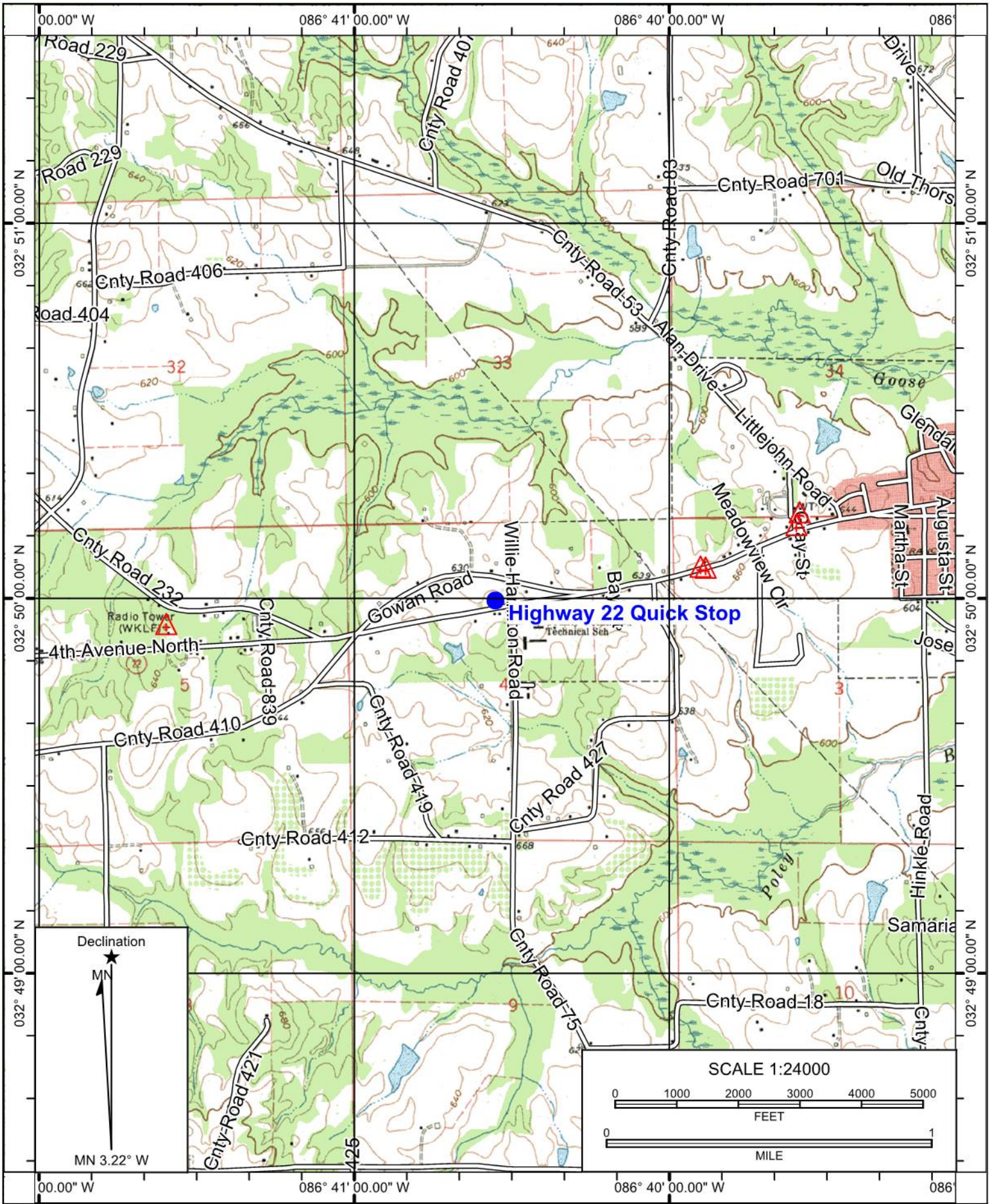


Name: CLANTON WEST
Date: 08/08/18
Scale: 1 inch = 2,000 ft.

Location: 032° 49' 59.15" N, 086° 40' 33.18" W
Caption: FIGURE 1; Highway 22 Quick Stop (UST18-11-01)

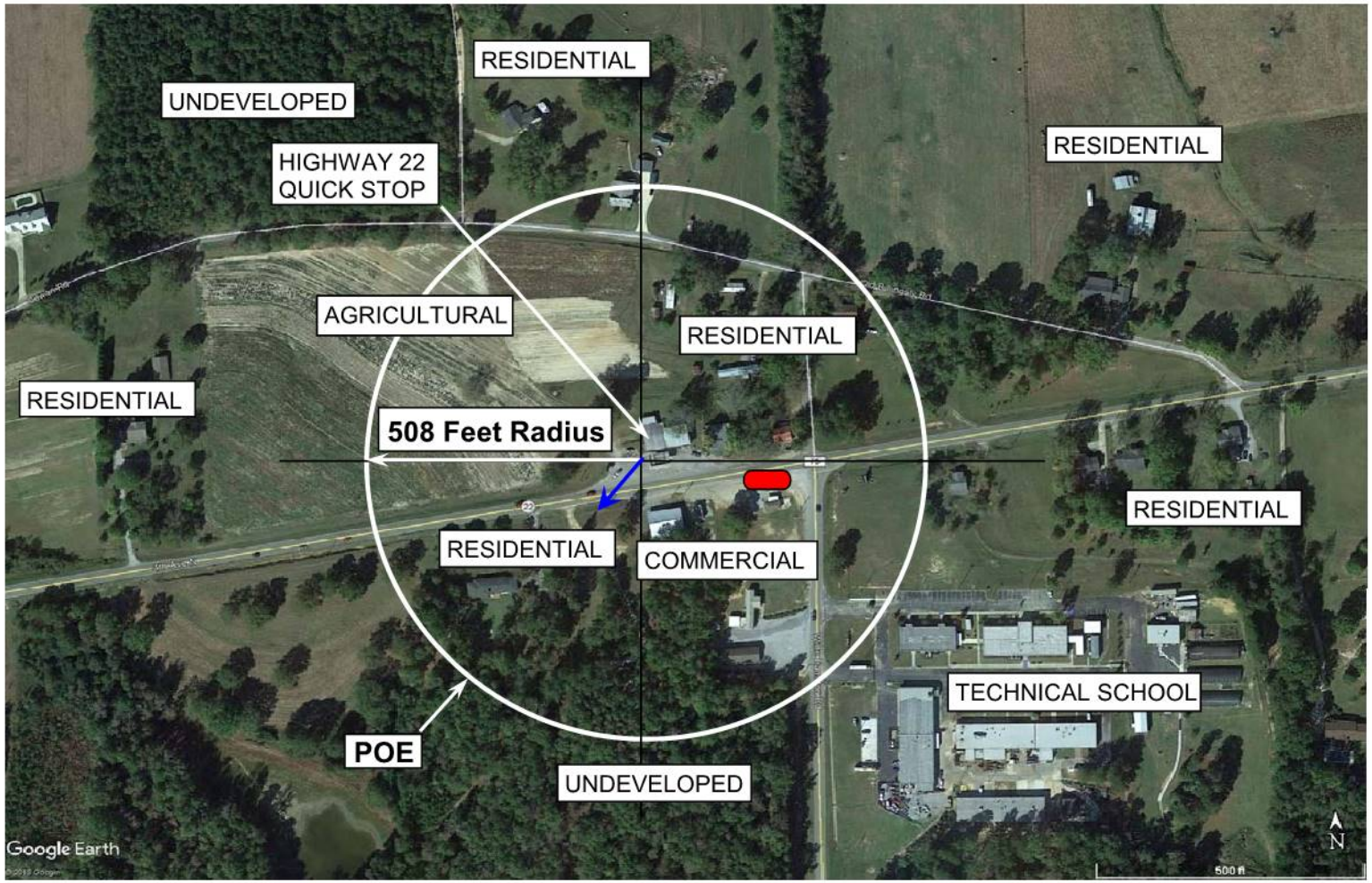
Datum: NAD27

CADD FILE NO.: LE.22QS

CHECKED BY

MEP

DRAWN BY



LEGEND

Source: Google Earth

POE - (Projected) Point of Exposure

Groundwater Flow Direction

UST Site (active)

UST Site (inactive/former)

DATE	NO.	REVISION	BY
08/09/18	2	Resized to 8.5"x11"	GTD
08/09/18	1	Border Adjustments	JGH

SPHERE 3
ENGINEERING, INC

LALANI ENTERPRISES
CLANTON, ALABAMA

CORRECTIVE ACTION PLAN
HIGHWAY 22 QUICK STOP (UST18-11-01)
4014 4TH AVENUE NORTH
CLANTON, ALABAMA 35045

SITE VICINITY MAP

2
Figure

CADD FILE NO.: LE.22QS

CHECKED BY

MEP

DRAWN BY

LEGEND

Source: Google Earth

DATE	NO.	REVISION	BY
08/09/18	1	Border Adjustments	JGH

SPHERE 3
ENGINEERING, INC

LALANI ENTERPRISES
CLANTON, ALABAMA

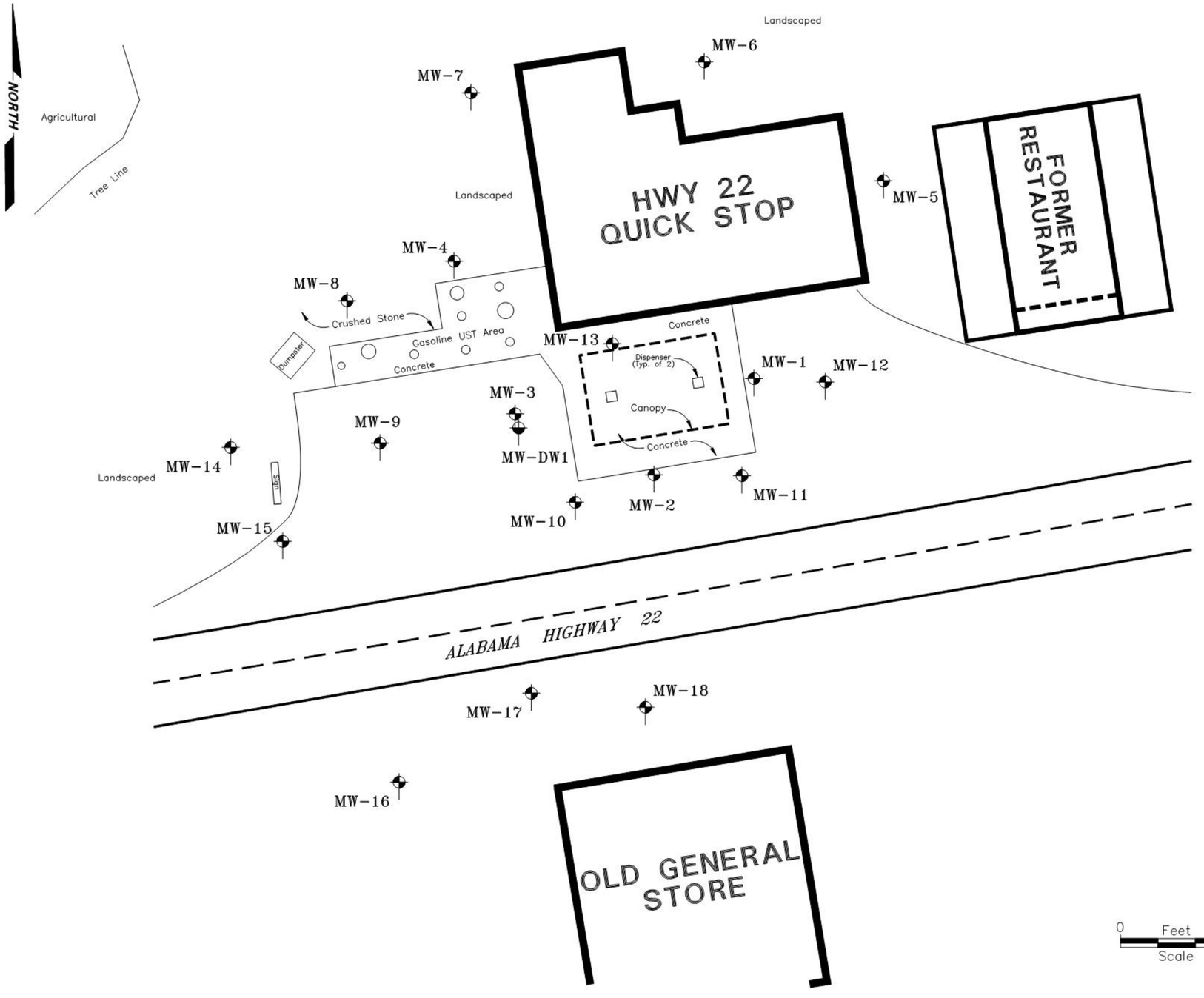
CORRECTIVE ACTION PLAN
HIGHWAY 22 QUICK STOP (UST18-11-01)
4014 4TH AVENUE NORTH
CLANTON, ALABAMA 35045

GEOLOGIC MAP

3
Figure

DRAWN BY | M.E.P. | CHECKED BY | CADD FILE NO. LE:22QS

NORTH



LEGEND

- Soil Exploration Boring
- Soil Exploration Boring/Type II Monitor Well
- Soil Exploration Boring/Type III Monitor Well

0 Feet 30
Scale

SPHERE 3
ENGINEERING, INC

DATE	NO.	REVISION	BY

LALANI ENTERPRISES
CLANTON, ALABAMA 35045
Client

CORRECTIVE ACTION PLAN
HWY 22 QUICK STOP (UST18-11-01)
4014 4TH AVENUE NORTH
CLANTON, ALABAMA 35045
Project Title

SITE PLAN

Fig. No. 4

CADD FILE NO. LE.22QS

M.E.P.

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NORTH

Agricultural

Tree Line

Landscaped

Landscaped

Landscaped

Crushed Stone

Gasoline UST Area

Concrete

Concrete

Dumpster

Dispenser (Typ. of 2)

Canopy

Concrete

Sign

HWY 22 QUICK STOP

FORMER RESTAURANT

OLD GENERAL STORE

ALABAMA HIGHWAY 22

MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8
MW-9
MW-10
MW-11
MW-12
MW-13
MW-14
MW-15
MW-16
MW-17
MW-18
MW-DW1

	10	15
B	0.010	0.016
T	0.046	0.091
E	<0.005	0.006
X	<0.015	0.030
MTBE	<0.005	<0.005
NAPH	<0.050	<0.050

	10	15
B	<0.005	<0.005
T	0.011	0.009
E	<0.005	<0.005
X	<0.015	<0.015
MTBE	<0.005	<0.005
NAPH	<0.050	<0.050

	10	15
B	0.012	0.046
T	0.073	0.418
E	0.011	0.107
X	0.060	0.654
MTBE	<0.005	<0.005
NAPH	<0.050	0.094

	10	15
B	3.140	4.760
T	74.400	105.000
E	35.400	55.200
X	172.000	243.000
MTBE	0.246	2.780
NAPH	8.500	15.900

	10	15
B	<0.005	0.083
T	<0.005	0.269
E	<0.005	5.280
X	<0.015	24.800
MTBE	<0.005	<0.005
NAPH	<0.050	7.200

	10	15
B	0.016	<0.005
T	0.086	0.022
E	0.006	<0.005
X	0.030	<0.015
MTBE	<0.005	<0.005
NAPH	<0.050	<0.050

	10	15
B	<0.005	1.040
T	0.005	18.100
E	<0.005	9.860
X	<0.015	48.300
MTBE	<0.005	0.353
NAPH	<0.050	5.350

	10	15
B	0.151	25.400
T	0.011	344.000
E	0.078	133.000
X	0.161	601.000
MTBE	0.535	2.220
NAPH	<0.050	31.900

	10	15
B	0.006	<0.005
T	0.032	0.012
E	<0.005	0.013
X	0.017	0.079
MTBE	<0.005	<0.005
NAPH	<0.050	<0.050

	10	15
B	<0.005	<0.005
T	<0.005	<0.005
E	<0.005	<0.005
X	<0.015	<0.015
MTBE	<0.005	<0.005
NAPH	<0.050	<0.050

	10	15
B	<0.005	<0.005
T	<0.005	<0.005
E	<0.005	<0.005
X	<0.015	<0.015
MTBE	<0.005	<0.005
NAPH	<0.050	<0.050

	10	15
B	0.011	0.600
T	<0.005	2.140
E	<0.005	0.596
X	<0.015	3.310
MTBE	<0.005	0.476
NAPH	<0.050	0.330

	10	15
B	<0.005	0.185
T	<0.005	0.013
E	<0.005	0.014
X	<0.015	0.277
MTBE	<0.005	<0.005
NAPH	<0.050	<0.050

	10	15
B	0.030	0.012
T	0.128	<0.005
E	0.010	<0.005
X	0.046	<0.015
MTBE	<0.005	0.015
NAPH	<0.050	<0.050

	10	15
B	5.320	39.400
T	95.600	369.000
E	52.400	145.000
X	240.000	616.000
MTBE	1.550	3.830
NAPH	21.100	32.900

	10	15
B	3.440	0.853
T	62.000	15.100
E	23.400	7.800
X	123.000	37.000
MTBE	1.060	0.651
NAPH	7.300	4.180

	10	15
B	<0.005	<0.005
T	<0.005	<0.005
E	<0.005	<0.005
X	<0.015	<0.015
MTBE	<0.005	<0.005
NAPH	<0.050	<0.050

	10	15
B	<0.005	<0.005
T	<0.005	<0.005
E	<0.005	<0.005
X	<0.015	<0.015
MTBE	<0.005	0.007
NAPH	<0.050	<0.050

	10	15
B	<0.005	<0.005
T	<0.005	0.008
E	<0.005	0.094
X	<0.015	0.520
MTBE	<0.005	<0.005
NAPH	<0.050	<0.050

LEGEND

- Soil Exploration Boring
- Soil Exploration Boring/Type II Monitor Well
- Soil Exploration Boring/Type III Monitor Well

	Sample Collection Depth (feet bgs)
B	Benzene Concentration (mg/kg)
T	Toluene Concentration (mg/kg)
E	Ethylbenzene Concentration (mg/kg)
X	Total Xylenes Concentration (mg/kg)
MTBE	Methyl-Tertiary-Butyl-Ether Concentration (mg/kg)
NAPH	Naphthalene Concentration (mg/kg)

bgs below the ground surface

(mg/kg) Milligrams per Kilogram

0 Feet 30

Scale

SPHERE 3
ENGINEERING, INC

DATE	NO.	REVISION	BY

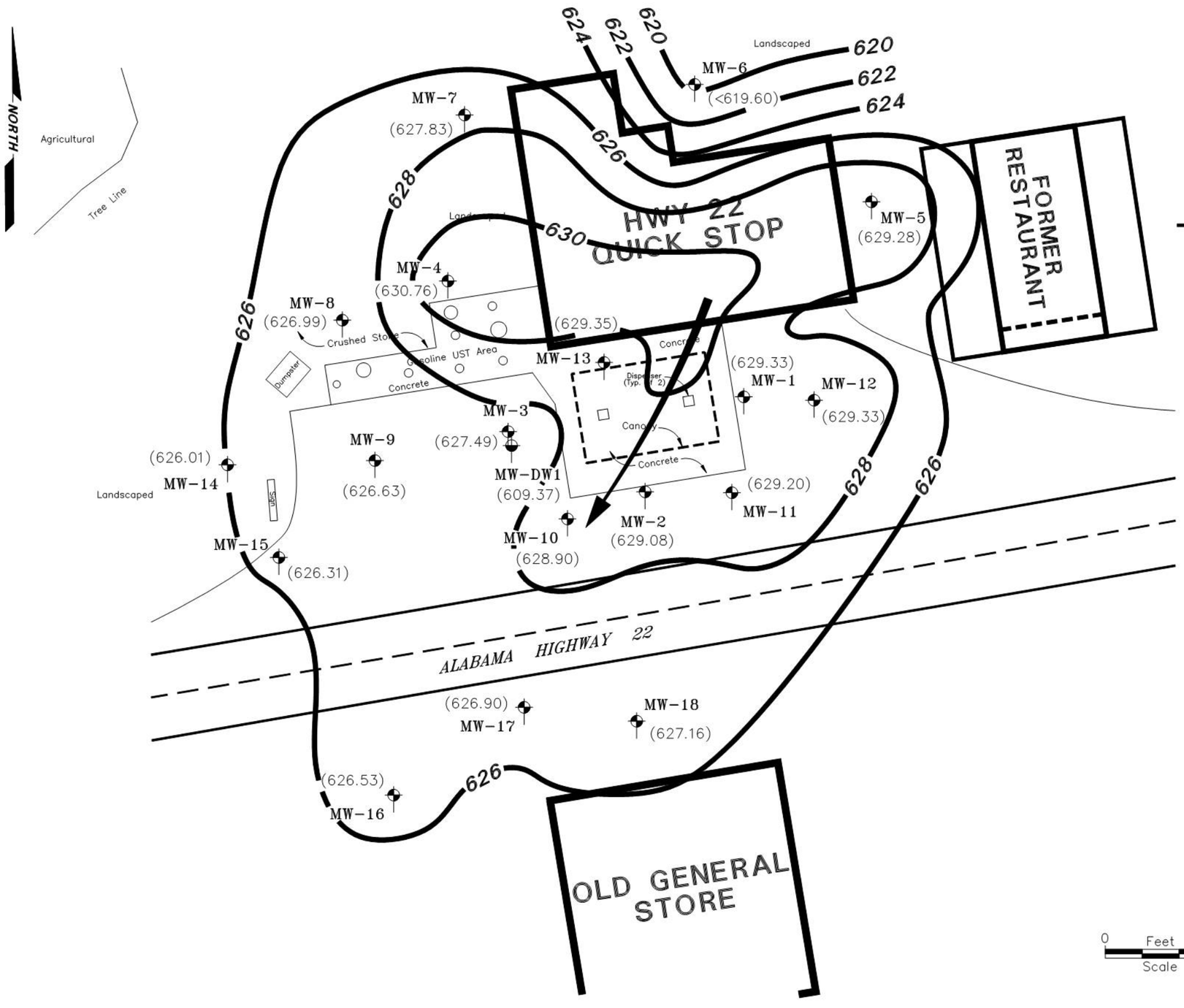
LALANI ENTERPRISES
CLANTON, ALABAMA 35045
Client

CORRECTIVE ACTION PLAN
HWY 22 QUICK STOP (UST18-11-01)
4014 4TH AVENUE NORTH
CLANTON, ALABAMA 35045
Project Title

SOILS COCs CONCENTRATIONS MAP

Fig. No. 5

DRAWN BY | M.E.P. | CHECKED BY | CADD FILE NO. LE:22QS



LEGEND

- Soil Exploration Boring
- Soil Exploration Boring/Type II Monitor Well
- Soil Exploration Boring/Type III Monitor Well
- (629.33) Potentiometric Surface Elevation (feet a.m.s.l.)
- —632— Isopotentiometric Surface Elevation Contour (feet a.m.s.l.)
- Groundwater Flow Direction (9/12/2019)

0 Feet 30
Scale

SPHERE 3 ENGINEERING, INC

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LALANI ENTERPRISES
CLANTON, ALABAMA 35045
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CORRECTIVE ACTION PLAN
HWY 22 QUICK STOP (UST18-11-01)
4014 4TH AVENUE NORTH
CLANTON, ALABAMA 35045
Project Title

POTENTIOMETRIC SURFACE ELEVATION MAP (9/12/2019)

6
Fig. No.

CADD FILE NO. LE.22QS

DRAWN BY | CHECKED BY | M.E.P.

NORTH

Agricultural

Tree Line

Landscaped

Crushed Stone

Gasoline UST Area

Concrete

Dumpster

Dispenser (Typ. of 2)

Canopy

Concrete

Landscaped

SBS

HWY 22 QUICK STOP

2

FORMER RESTAURANT

ALABAMA HIGHWAY 22

OLD GENERAL STORE

MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8
MW-9
MW-10
MW-11
MW-12
MW-13
MW-14
MW-15
MW-16
MW-17
MW-18
MW-DW1

<0.001
[1.68]

B	<0.001
T	<0.001
E	<0.001
X	<0.003
MTBE	<0.001
NAP	<0.001

B	7.360
T	40.600
E	7.260
X	36.800
MTBE	4.080
NAP	0.916

B	0.027
T	0.031
E	0.072
X	0.441
MTBE	<0.001
NAP	0.067

B	0.002
T	<0.001
E	<0.001
X	<0.003
MTBE	<0.001
NAP	<0.001

B	2.720
T	29.400
E	14.700
X	60.400
MTBE	0.015
NAP	2.260

B	0.018
T	0.005
E	0.005
X	0.010
MTBE	0.001
NAP	0.016

B	3.630
T	14.600
E	3.240
X	14.600
MTBE	0.023
NAP	0.785

B	0.001
T	0.005
E	<0.001
X	0.005
MTBE	<0.001
NAP	<0.001

B	<0.001
T	<0.001
E	<0.001
X	<0.003
MTBE	0.007
NAP	<0.001

B	6.220
T	37.200
E	4.900
X	25.400
MTBE	0.070
NAP	0.862

B	0.001
T	0.003
E	<0.001
X	0.012
MTBE	0.003
NAP	0.004

B	<0.001
T	0.001
E	<0.001
X	<0.003
MTBE	<0.001
NAP	<0.001

B	0.001
T	<0.001
E	<0.001
X	0.004
MTBE	<0.001
NAP	<0.001

B	8.120
T	25.400
E	3.690
X	20.800
MTBE	14.800
NAP	0.814

B	0.046
T	0.088
E	0.016
X	0.093
MTBE	0.017
NAP	0.005

B	0.126
T	0.005
E	0.009
X	0.052
MTBE	0.028
NAP	0.003

B	3.740
T	0.990
E	1.370
X	5.130
MTBE	1.570
NAP	0.474

LEGEND

- Soil Exploration Boring
- Soil Exploration Boring/Type II Monitor Well
- Soil Exploration Boring/Type III Monitor Well

B	Dissolved Benzene Concentration (mg/L)
T	Dissolved Toluene Concentration (mg/L)
E	Dissolved Ethylbenzene Concentration (mg/L)
X	Dissolved Total Xylenes Concentration (mg/L)
MTBE	Dissolved Methyl-Tertiary-Butyl-Ether Concentration (mg/L)
NAP	Dissolved Naphthalene Concentration (mg/L)

- −10− Dissolved MTBE Isoconcentration Contour (mg/L)
- Groundwater Flow Direction (9/12/2019)
- (mg/L) Milligrams per Liter
- [1.68] Free Product Thickness (feet)
- Estimated Aerial Extent of Free Product

0 Feet 30
Scale

SPHERE 3 ENGINEERING, INC

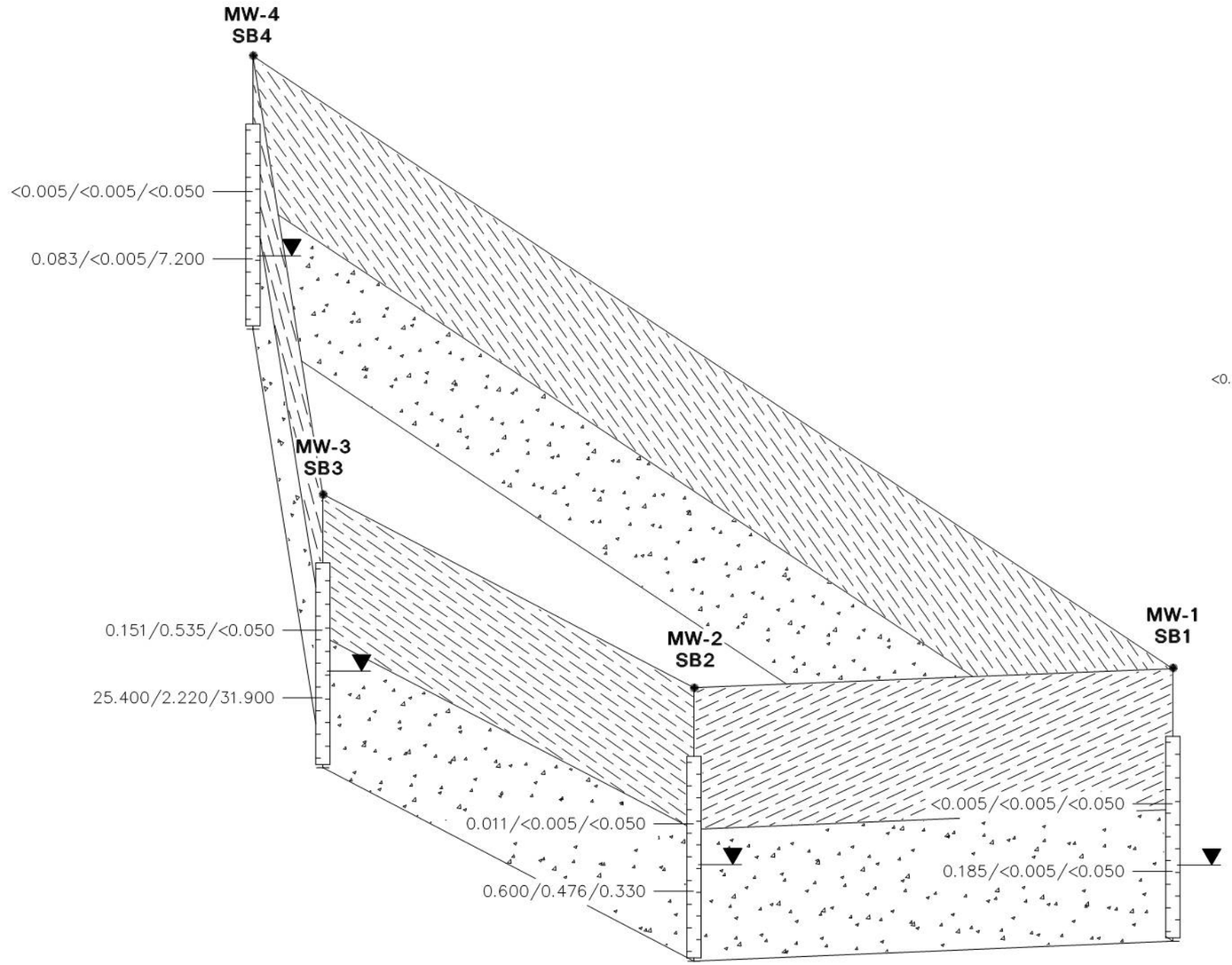
DATE	NO.	REVISION	BY

LALANI ENTERPRISES
CLANTON, ALABAMA 35045
Client

CORRECTIVE ACTION PLAN
HWY 22 QUICK STOP (UST18-11-01)
4014 4TH AVENUE NORTH
CLANTON, ALABAMA 35045
Project Title

DISSOLVED COCs CONCENTRATIONS MAP (9/12/2019)

Fig. No. 7



LEGEND

- Sandy, Micaceous CLAYS
- Clayey, Micaceous SANDS
- MW-1 SB1 — Soil Exploration Boring/Monitor Well
- Potentiometric Surface Elevation as measured on 8/23/2018
- Screened Interval
- <0.005/<0.005/<0.050 — Soil Benzene Conc./Soil MTBE Conc./Soil Naphthalene Conc. (mg/kg)
- mg/kg — Milligrams per Kilogram

Vertical Scale 0 – 10

Horizontal Scale – Not to Scale

CADD FILE NO. HEA.LFM | CHECKED BY | MEP | DRAWN BY

DATE	NO.	REVISION	BY

LALANI ENTERPRISES
CLANTON, ALABAMA 35045
Client

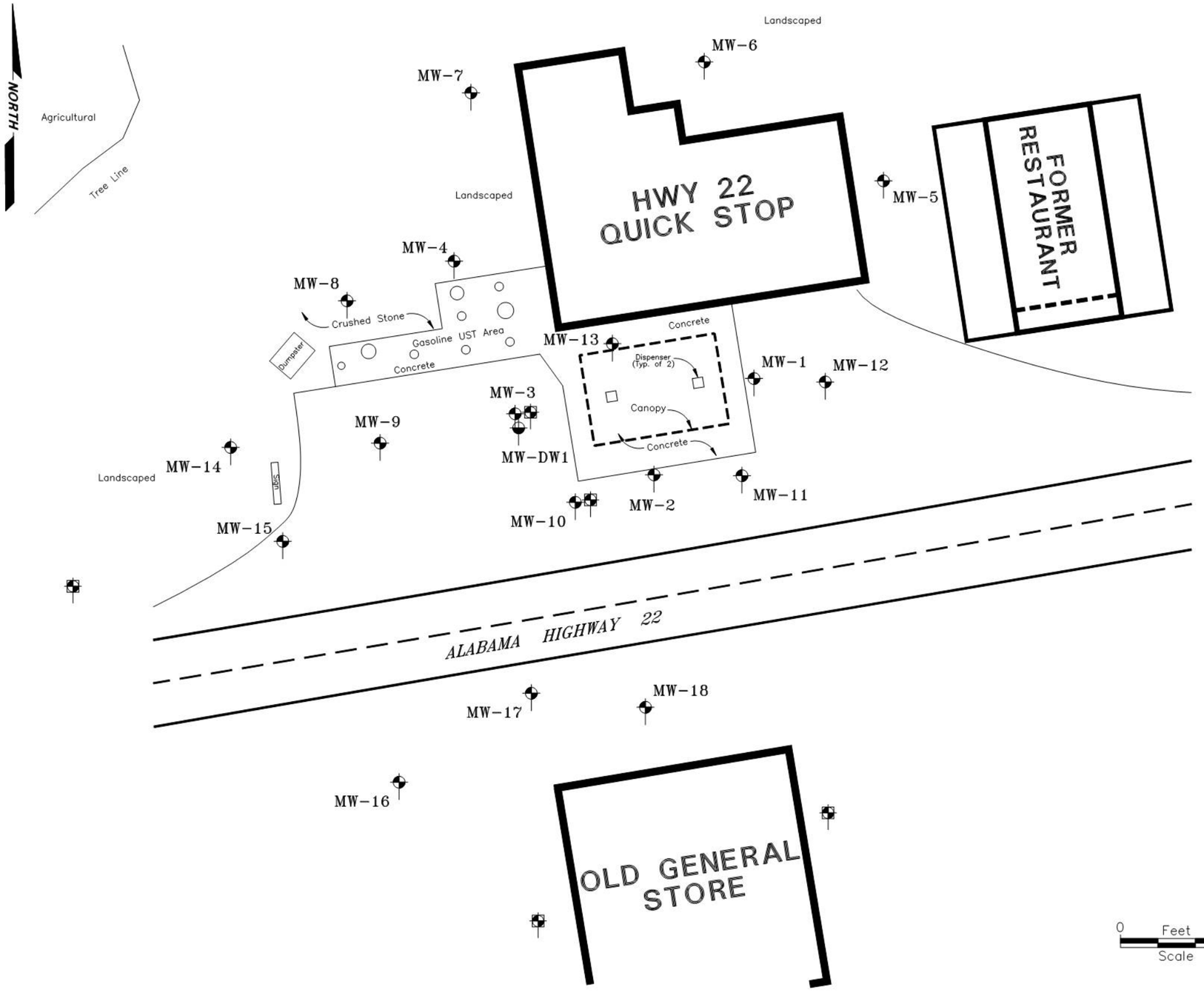
CORRECTIVE ACTION PLAN
HWY 22 QUICK STOP (UST18-11-01)
4014 4TH AVENUE NORTH
CLANTON, ALABAMA 35045
Project Title

SPHERE 3 ENGINEERING, INC

HYDROGEOLOGIC PANEL DIAGRAM

8
Fig. No.

DRAWN BY | M.E.P. | CHECKED BY | CADD FILE NO. LE:22QS



LEGEND

- Soil Exploration Boring
- Soil Exploration Boring/Type II Monitor Well
- Soil Exploration Boring/Type III Monitor Well
- Proposed Soil Exploration Boring/Type II Monitor Well

0 Feet 30
Scale

SPHERE 3 ENGINEERING, INC

DATE	NO.	REVISION	BY

LALANI ENTERPRISES
CLANTON, ALABAMA 35045
Client

CORRECTIVE ACTION PLAN
HWY 22 QUICK STOP (UST18-11-01)
4014 4TH AVENUE NORTH
CLANTON, ALABAMA 35045
Project Title

PROPOSED MONITOR WELL LOCATION MAP

Fig. No. 9

SPHERE 3
ENGINEERING, INC

SPHERE 3 ENGINEERING, INC

WATER/ FREE PRODUCT LEVEL DATA

CLIENT: Lalani Enterprises
LOCATION: Highway 22 Quick Stop (UST18-11-01)
4014 4th Avenue North
Clanton, Alabama 35045

Page: 1 of 1
File Number: LE.22QS.01
Event Date: 8/23/2018
Field Personnel: JWJ

Pre - MEME Event	☐	**Sampling Event**	■
Post - MEME Event	☐	**Free Product Recovery**	☐

Monitor Well Identification	Casing Elevation (feet)	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Surface Elevation (feet)	Water Surface Elevation (feet)	Free Product Thickness (feet)	Potentiometric Surface Elevation (feet)
MW-1	644.75	ND	14.60	NA	630.15	NA	630.15
MW-2	644.93	ND	13.02	NA	631.91	NA	631.91
MW-3	643.21	ND	12.62	NA	630.59	NA	630.59
MW-4	644.78	ND	14.77	NA	630.01	NA	630.01

Notes:
Elevations are referenced to a mean-sea-level elevation estimated at 645.00 feet.
Water and Free Product depths were measured and recorded to the nearest 0.01 foot.
Potentiometric Surface Elevation = Water Surface Elevation + 75% of the Free Product Thickness

SPHERE 3 ENGINEERING, INC

WATER/ FREE PRODUCT LEVEL DATA

CLIENT: Lalani Enterprises
LOCATION: Highway 22 Quick Stop (UST18-11-01)
4014 4th Avenue North
Clanton, Alabama 35045

Page: 1 of 1
File Number: LE.22QS.02
Event Date: 1/10/2019
Field Personnel: HTB; JWJ

Pre - MEME Event	☐	**Sampling Event**	■
Post - MEME Event	☐	**Free Product Recovery**	☐

Monitor Well Identification	Casing Elevation (feet)	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Surface Elevation (feet)	Water Surface Elevation (feet)	Free Product Thickness (feet)	Potentiometric Surface Elevation (feet)
MW-1	644.75	ND	13.45	NA	631.30	NA	631.30
MW-2	644.93	ND	13.82	NA	631.11	NA	631.11
MW-3	643.21	ND	13.22	NA	629.99	NA	629.99
MW-4	644.78	ND	10.25	NA	634.53	NA	634.53
MW-5	642.83	ND	10.75	NA	632.08	NA	632.08
MW-6	639.52	ND	9.12	NA	630.40	NA	630.40
MW-7	640.08	ND	8.27	NA	631.81	NA	631.81
MW-8	641.45	ND	9.90	NA	631.55	NA	631.55
MW-9	642.78	ND	12.91	NA	629.87	NA	629.87
MW-10	645.04	14.05	14.12	630.99	630.92	0.07	630.97
MW-11	644.90	ND	13.92	NA	630.98	NA	630.98
MW-12	644.53	ND	13.13	NA	631.40	NA	631.40
MW-13	644.38	ND	12.53	NA	631.85	NA	631.85
MW-DW1	643.52	ND	32.01	NA	611.51	NA	611.51

Notes:
Elevations are referenced to a mean-sea-level elevation estimated at 645.00 feet.
Water and Free Product depths were measured and recorded to the nearest 0.01 foot.
Potentiometric Surface Elevation = Water Surface Elevation + 75% of the Free Product Thickness

SPHERE 3 ENGINEERING, INC

WATER/ FREE PRODUCT LEVEL DATA

CLIENT: Lalani Enterprises
LOCATION: Highway 22 Quick Stop (UST18-11-01)
4014 4th Avenue North
Clanton, Alabama 35045

Page: 1 of 1
File Number: LE.22QS.04
Event Date: 6/12/2019
Field Personnel: HTB; JWJ

Pre - MEME Event	☐	**Sampling Event**	■
Post - MEME Event	☐	**Free Product Recovery**	☐

Monitor Well Identification	Casing Elevation (feet)	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Surface Elevation (feet)	Water Surface Elevation (feet)	Free Product Thickness (feet)	Potentiometric Surface Elevation (feet)
MW-1	644.75	ND	13.98	NA	630.77	NA	630.77
MW-2	644.93	ND	14.30	NA	630.63	NA	630.63
MW-3	643.21	ND	14.00	NA	629.21	NA	629.21
MW-4	644.78	ND	12.02	NA	632.76	NA	632.76
MW-5	642.83	ND	12.10	NA	630.73	NA	630.73
MW-6	639.52	ND	16.75	NA	622.77	NA	622.77
MW-7	640.08	ND	10.16	NA	629.92	NA	629.92
MW-8	641.45	ND	12.16	NA	629.29	NA	629.29
MW-9	642.78	ND	14.15	NA	628.63	NA	628.63
MW-10	645.04	14.39	16.47	630.65	628.57	2.08	630.13
MW-11	644.90	ND	14.16	NA	630.74	NA	630.74
MW-12	644.53	ND	13.69	NA	630.84	NA	630.84
MW-13	644.38	ND	13.42	NA	630.96	NA	630.96
MW-14	640.92	ND	12.70	NA	628.22	NA	628.22
MW-15	642.98	ND	14.80	NA	628.18	NA	628.18
MW-16	644.75	ND	16.61	NA	628.14	NA	628.14
MW-17	643.60	ND	14.98	NA	628.62	NA	628.62
MW-18	644.42	ND	15.60	NA	628.82	NA	628.82
MW-DW1	643.52	ND	31.03	NA	612.49	NA	612.49

Notes:
Elevations are referenced to a mean-sea-level elevation estimated at 645.00 feet.
Water and Free Product depths were measured and recorded to the nearest 0.01 foot.
Potentiometric Surface Elevation = Water Surface Elevation + 75% of the Free Product Thickness

SPHERE 3 ENGINEERING, INC

WATER/ FREE PRODUCT LEVEL DATA

CLIENT: Lalani Enterprises
LOCATION: Highway 22 Quick Stop (UST18-11-01)
4014 4th Avenue North
Clanton, Alabama 35045

Page: 1 of 1
File Number: LE.22QS.05
Event Date: 9/12/2019
Field Personnel: HTB; JWJ

Pre - MEME Event	☐	**Sampling Event**	■
Post - MEME Event	☐	**Free Product Recovery**	■

Monitor Well Identification	Casing Elevation (feet)	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Surface Elevation (feet)	Water Surface Elevation (feet)	Free Product Thickness (feet)	Potentiometric Surface Elevation (feet)
MW-1	644.75	ND	15.42	NA	629.33	NA	629.33
MW-2	644.93	ND	15.85	NA	629.08	NA	629.08
MW-3	643.21	ND	15.72	NA	627.49	NA	627.49
MW-4	644.78	ND	14.02	NA	630.76	NA	630.76
MW-5	642.83	ND	13.55	NA	629.28	NA	629.28
MW-6	639.52	ND	dry				
MW-7	640.08	ND	12.25	NA	627.83	NA	627.83
MW-8	641.45	ND	14.46	NA	626.99	NA	626.99
MW-9	642.78	ND	16.15	NA	626.63	NA	626.63
MW-10	645.04	15.72	17.40	629.32	627.64	1.68	628.90
MW-11	644.90	ND	15.70	NA	629.20	NA	629.20
MW-12	644.53	ND	15.20	NA	629.33	NA	629.33
MW-13	644.38	ND	15.03	NA	629.35	NA	629.35
MW-14	640.92	ND	14.91	NA	626.01	NA	626.01
MW-15	642.98	ND	16.67	NA	626.31	NA	626.31
MW-16	644.75	ND	18.22	NA	626.53	NA	626.53
MW-17	643.60	ND	16.70	NA	626.90	NA	626.90
MW-18	644.42	ND	17.26	NA	627.16	NA	627.16
MW-DW1	643.52	ND	34.15	NA	609.37	NA	609.37

Notes:
Elevations are referenced to a mean-sea-level elevation estimated at 645.00 feet.
Water and Free Product depths were measured and recorded to the nearest 0.01 foot.
Potentiometric Surface Elevation = Water Surface Elevation + 75% of the Free Product Thickness

SPHERE 3 ENGINEERING, INC

WATER/ FREE PRODUCT LEVEL DATA

CLIENT: Lalani Enterprises
LOCATION: Highway 22 Quick Stop (UST18-11-01)
4014 4th Avenue North
Clanton, Alabama 35045

Page: 1 of 1
File Number: LE.22QS.05
Event Date: 9/19/2019
Field Personnel: JWJ

Pre - MEME Event	☐	**Sampling Event**	☐
Post - MEME Event	☐	**Free Product Recovery**	■

Monitor Well Identification	Casing Elevation (feet)	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Surface Elevation (feet)	Water Surface Elevation (feet)	Free Product Thickness (feet)	Potentiometric Surface Elevation (feet)
MW-10	645.04	15.90	17.44	629.14	627.60	1.54	628.76

Notes:
Elevations are referenced to a mean-sea-level elevation estimated at 645.00 feet.
Water and Free Product depths were measured and recorded to the nearest 0.01 foot.
Potentiometric Surface Elevation = Water Surface Elevation + 75% of the Free Product Thickness

SPHERE 3 ENGINEERING, INC

WATER/ FREE PRODUCT LEVEL DATA

CLIENT: Lalani Enterprises
LOCATION: Highway 22 Quick Stop (UST18-11-01)
4014 4th Avenue North
Clanton, Alabama 35045

Page: 1 of 1
File Number: LE.22QS.05
Event Date: 10/4/2019
Field Personnel: HTB

Pre - MEME Event	☐	**Sampling Event**	☐
Post - MEME Event	☐	**Free Product Recovery**	■

Monitor Well Identification	Casing Elevation (feet)	Depth to Free Product (feet)	Depth to Water (feet)	Free Product Surface Elevation (feet)	Water Surface Elevation (feet)	Free Product Thickness (feet)	Potentiometric Surface Elevation (feet)
MW-10	645.04	16.21	17.02	628.83	628.02	0.81	628.63

Notes:
Elevations are referenced to a mean-sea-level elevation estimated at 645.00 feet.
Water and Free Product depths were measured and recorded to the nearest 0.01 foot.
Potentiometric Surface Elevation = Water Surface Elevation + 75% of the Free Product Thickness

SPHERE 3
ENGINEERING, INC

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	August 29, 2018
Attention:	Mr. Greg Hoagland	Reference #	39640
Address:	3433 Sierra Drive	P.O. #	LE.22QS.01
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	soil	Analytical	
Date Received:	8/21/18	Analyst:	Hageman/Heard
Date Collected:	8/20-21/18	Date of Analysis:	8/24-25/18
Sample Collector:	G. Karstens	Method:	***EPA Method 8260B***

VOLATILE ORGANICS - BTEX/MTBE

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	SB-1 10'	SB-1 15'	SB-2 10'	SB-2 15'	SB-3 10'	SB-3 15'	
Volatile	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
Organic, ppm	197610	197611	197612	197613	197614	197615	Limit, ppm
Benzene	BDL	**0.185**	**0.011**	**0.600**	**0.151**	**25.400**	0.005
Toluene	BDL	**0.013**	BDL	**2.140**	**0.011**	**344.000***	0.005
Ethylbenzene	BDL	**0.014**	BDL	**0.596**	**0.078**	**133.000**	0.005
Xylenes, o,m,p	BDL	**0.277**	BDL	**3.310**	**0.161**	**601.000***	0.015
MTBE	BDL	BDL	BDL	**0.476**	**0.535**	**2.220**	0.005

	FIELD ID	FIELD ID					
	SB-4 10'	SB-4 15'					
Volatile	LAB ID	LAB ID					Detection
Organic, ppm	197616	197617					Limit, ppm
Benzene	BDL	***0.083***					0.005
Toluene	BDL	**0.269**					0.005
Ethylbenzene	BDL	**5.280**					0.005
Xylenes, o,m,p	BDL	**24.800**					0.015
MTBE	BDL	BDL					0.005

Result is above practical detection limit and below reporting limit
*Result is above linear-dynamic range at a dilution of 800:1
BDL = Below Detection Limit
Detection Limit is Practical Quantitation Limit
All results expressed as ppm of analyte

MH / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety

Kevin Doriety
Analytical Chemist

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	August 29, 2018
Attention:	Mr. Greg Hoagland	Reference #	39640
Address:	3433 Sierra Drive	P.O. #	LE.22QS.01
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	soil	Extraction Date:	8/24/18
Date Received:	8/21/18	Analyst:	Hageman/Heard
Date Collected:	8/20-21/18	Date of Analysis:	8/29/18
Sample Collector:	G. Karstens	Method:	***EPA Method 8270C***

POLYNUCLEAR AROMATIC HYDROCARBONS

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	SB-1 10'	SB-1 15'	SB-2 10'	SB-2 15'	SB-3 10'	SB-3 15'	
Polynuclear Aromatics, ppm	LAB ID 197610	LAB ID 197611	LAB ID 197612	LAB ID 197613	LAB ID 197614	LAB ID 197615	Detection Limit, ppm
Acenaphthene	BDL	BDL	BDL	BDL	BDL	**0.167**	0.050
Acenaphthylene	BDL	BDL	BDL	BDL	BDL	**0.114**	0.050
Anthracene	BDL	BDL	BDL	BDL	BDL	**0.106**	0.050
Benzo(a)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(b)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(k)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(ghi)perylene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(a)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Chrysene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Dibenzo(ah)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Fluoranthene	BDL	BDL	BDL	BDL	BDL	**0.071**	0.050
Fluorene	BDL	BDL	BDL	BDL	BDL	**0.469**	0.050
Indeno(1,2,3-cd)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Naphthalene	BDL	BDL	BDL	**0.330**	BDL	**31.900**	0.050
Phenanthrene	BDL	BDL	BDL	BDL	BDL	**0.585**	0.050
Pyrene	BDL	BDL	BDL	BDL	BDL	**0.182**	0.050

BDL = Below Detection Limit
Detection Limit is Practical Quantitation Limit
All results expressed as PPM (mg/kg)

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	August 29, 2018
Attention:	Mr. Greg Hoagland	Reference #	39640
Address:	3433 Sierra Drive	P.O. #	LE.22QS.01
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	soil	Extraction Date:	8/27/18
Date Received:	8/21/18	Analyst:	Hageman/Heard
Date Collected:	8/20/18	Date of Analysis:	8/29/18
Sample Collector:	G. Karstens	Method:	***EPA Method 8270C***

POLYNUCLEAR AROMATIC HYDROCARBONS

Polynuclear Aromatics, ppm	FIELD ID SB-4 10' LAB ID 197616	FIELD ID SB-4 15' LAB ID 197617					Detection Limit, ppm
Acenaphthene	BDL	BDL					0.050
Acenaphthylene	BDL	BDL					0.050
Anthracene	BDL	BDL					0.050
Benzo(a)anthracene	BDL	BDL					0.050
Benzo(b)fluoranthene	BDL	BDL					0.050
Benzo(k)fluoranthene	BDL	BDL					0.050
Benzo(ghi)perylene	BDL	BDL					0.050
Benzo(a)pyrene	BDL	BDL					0.050
Chrysene	BDL	BDL					0.050
Dibenzo(ah)anthracene	BDL	BDL					0.050
Fluoranthene	BDL	BDL					0.050
Fluorene	BDL	**0.128**					0.050
Indeno(1,2,3-cd)pyrene	BDL	BDL					0.050
Naphthalene	BDL	**7.200**					0.050
Phenanthrene	BDL	**0.158**					0.050
Pyrene	BDL	BDL					0.050

BDL = Below Detection Limit
Detection Limit is Practical Quantitation Limit
All results expressed as PPM (mg/kg)

MH / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety

Kevin Doriety
Analytical Chemist

Sutherland Environmental Read and Review Checklist

1. Is the client and the sample collector(s) accurately noted on report?	NO	YES	NO	YES
2. Do all dates match the COC on the report?	NO	YES	NO	YES
3. Is the purchase order ID (PO) and project ID accurately noted on report?	NO	YES	NO	YES
4. Are all methods and method references correct on report?	NO	YES	NO	YES
5. Do the Field ID(s) and the Lab ID(s) correspond to the COC?	NO	YES	NO	YES
6. Is the report formatted correctly?	NO	YES	NO	YES
7. Does the following information on report correspond to the printout information from the analytical instrumentation:				
Sample Matrix	NO	YES	NO	YES
Analyst	NO	YES	NO	YES
Analysis Date/Time	NO	YES	NO	YES
Analyte concentration	NO	YES	NO	YES
Units	NO	YES	NO	YES
Dilution Factors/Conversions	NO	YES	NO	YES
Detection/Reporting/Quant. Limits	NO	YES	NO	YES
QC Reviewed:		YES		YES
***Initial*:**		MJH		MJH

* MJH = Michael Heard, KD = Kevin Doriety, MSH = Matt Hageman, KH = Kelly Hester

PDF: Hoagland, Hunter, Karstens

Notes: _____

Invoice # 39640

Sutherland Environmental Co., Inc.

Sutherland Environmental Company Inc.

Sample Check-in Form

Date Received: 8/21/18 **Invoice #** 39640

Method of Delivery: hand **Client:** Sphere 3

1. Did any containers arrive broken?	YES	NO	
* If so, please state field ID with analysis of broken sample(s)			
2. Were cooler(s) sealed upon arrival?	YES	NO	NA
3. Were the samples received at the proper teamperature ($4^{o}C$ +/- $2^{o}C$)?	YES	NO	NA
4. Did a chain of custody accompany the samples?	YES	NO	
* Was it properly filled out?	YES	NO	
5. Were correct containers used for the analysis requested?	YES	NO	
6. Were all containers properly preserved?	YES	NO	NA
7. Were all water samples received at the proper pH?	YES	NO	NA
8. If VOA vials were present, was there any head space?	YES	NO	NA
* If so, please state field ID of deficient sample(s):			
9. Were all containers properly labeled and match chain of custody?	YES	NO	
10. Did containers arrive within holding time of analysis?	YES	NO	
* If not, please state field ID and analysis of sample(s) out of holding time:			
11. Was client informed of any/all deficiencies in sample check-in?	YES	NO	NA
12. Were any samples rejected?	YES	NO	
* If so, please state field ID of rejected sample(s):			

Sample Custodian (signed): A Keragan

396640

SUTHERLAND ENVIRONMENTAL COMPANY, INC.

2515 5th Avenue South
Birmingham, AL 35233

Phone: 205 581 9500
Fax: 205 581 9504

SPHERE 3
ENGINEERING, INC

Consultant Name: SPHERE 3 Engineering, Inc.
Address: 3433 Sierra Drive
City/State/Zip: Hoover, Alabama 35216
Client: Lalani Enterprises
Consultant Project Mgr: Greg Hoagland
Consultant Telephone Number: (205) 403.3317 **Fax No.:** (205) 403.3318
Sampler Name: (Print)
Sampler Signature:

Page #: Page 1 of 1
Invoice To: SPHERE 3 Engineering, Inc.
Report To: G.Hoagland/J.Hunter/G.Karstens/mail original
Project #: LE.22QS.01
UST Incident No.: UST18-11-01
Facility ID #: Highway 22 Quick Stop
Site Address: 4014 4th Avenue North
City, County, State: Clanton, Chilton County, Alabama

Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify): WATER	Analyze For: BTEX/MTBE 8260B	PAH 8270C	TEMPERATURE	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	PDF Results (yes or no)	Due Date of Report
SB-1 10' 197610	8/20/18	1015	1	X										X					X		X	X			N	Y	
SB-1 15' 197611	"	1025		X										X					X		X	X			N	Y	
SB-2 10' 197612	8/20/18	1115		X										X					X		X	X			N	Y	
SB-2 15' 197613	"	1130		X										X					X		X	X			N	Y	
SB-3 10' 197614	8/21/18	0900		X										X					X		X	X			N	Y	
SB-3 15' 197615	8/21/18	0915		X										X					X		X	X			N	Y	
SB-4 10' 197616	8/20/18	1430		X										X					X		X	X			N	Y	
SB-4 15' 197617	8/20/18	1440		X										X					X		X	X			N	Y	
TEMPERATURE BLANK	—	—	1											X						X			X		N	Y	

Comments/Special Instructions:

Laboratory Comments:
Temperature Upon Receipt: NA
Sample Containers Intact? (Y) N
VOCs Free of Headspace? Y N

Relinquished by:	Date	Time	Received by:	Date	Time
	8/21/18	1310		8/21/18	1:10
Relinquished by:	Date	Time	Received by:	Date	Time

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please pre-schedule w/ SUTHERLAND Project Manager or attach specifc instructions

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	August 28, 2018
Attention:	Mr. Greg Hoagland	Reference #	39641
Address:	3433 Sierra Drive	P.O. #	LE.22QS.01
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	soil	Analytical	
Date Received:	8/21/18	Analyst:	Kevin Doriety
Date Collected:	8/21/18	Date of Analysis:	8/27/18
Sample Collector:	G. Karstens	Method:	***EPA Method 6010B***

METALLIC ANALYTES

	FIELD ID						
	SOIL COMP-1						
Analyte, mg/Kg as Total	LAB ID						Detection Limit, mg/Kg
	197618						
Lead	8.9						1.0

BDL = Below Detection Limit
Detection Limit is Reporting Limit
All results expressed as PPM of total analyte

MK / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety
Analytical Chemist

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	August 28, 2018
Attention:	Mr. Greg Hoagland	Reference #	39641
Address:	3433 Sierra Drive	P.O. #	LE.22QS.01
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	soil	Analytical	
Date Received:	8/21/18	Analyst:	R. Currence
Date Collected:	8/21/18	Date of Analysis:	8/22/18
Sample Collector:	G. Karstens	Method:	***EPA Method 418.1 Modified for soils***

TOTAL PETROLEUM HYDROCARBONS

FIELD ID	LAB ID	TPH, PPM	D.L., PPM
SOIL COMP-1	**197618**	**121**	10

BDL = Below Detection Limit
D.L. = Detection Limit, Practical
All results expressed as PPM (mg/Kg)

MH / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety
Analytical Chemist

Sutherland Environmental Read and Review Checklist

1. Is the client and the sample collector(s) accurately noted on report?	NO	~~YES~~	NO	YES
2. Do all dates match the COC on the report?	NO	~~YES~~	NO	YES
3. Is the purchase order ID (PO) and project ID accurately noted on report?	NO	~~YES~~	NO	YES
4. Are all methods and method references correct on report?	NO	~~YES~~	NO	YES
5. Do the Field ID(s) and the Lab ID(s) correspond to the COC?	NO	~~YES~~	NO	YES
6. Is the report formatted correctly?	NO	~~YES~~	NO	YES
7. Does the following information on report correspond to the printout information from the analytical instrumentation:				
Sample Matrix	NO	~~YES~~	NO	YES
Analyst	NO	~~YES~~	NO	YES
Analysis Date/Time	NO	~~YES~~	NO	YES
Analyte concentration	NO	~~YES~~	NO	YES
Units	NO	~~YES~~	NO	YES
Dilution Factors/Conversions	NO	~~YES~~	NO	YES
Detection/Reporting/Quant. Limits	NO	~~YES~~	NO	YES
QC Reviewed:		~~YES~~		YES
***Initial*:**	MJH		KH	

* MJH = Michael Heard, KD = Kevin Doriety, MSH = Matt Hageman, KH = Kelly Hester

PDF: Hoagland, Hunter, Karstens

Notes: _____

Invoice # 39641

Sutherland Environmental Co., Inc.

Sutherland Environmental Company Inc.

Sample Check-in Form

Date Received: 8/21/18 **Invoice #** 391641

Method of Delivery: hand **Client:** Sphere 3

1. Did any containers arrive broken?	YES	NO	
* If so, please state field ID with analysis of broken sample(s) _____			
2. Were cooler(s) sealed upon arrival?	YES	NO	NA
3. Were the samples received at the proper teamperature ($4^{o}C$ +/- $2^{o}C$)?	YES	NO	NA
4. Did a chain of custody accompany the samples?	YES	NO	
* Was it properly filled out?	YES	NO	
5. Were correct containers used for the analysis requested?	YES	NO	
6. Were all containers properly preserved?	YES	NO	NA
7. Were all water samples received at the proper pH?	YES	NO	NA
8. If VOA vials were present, was there any head space?	YES	NO	NA
* If so, please state field ID of deficient sample(s): _____			
9. Were all containers properly labeled and match chain of custody?	YES	NO	
10. Did containers arrive within holding time of analysis?	YES	NO	
* If not, please state field ID and analysis of sample(s) out of holding time: _____			
11. Was client informed of any/all deficiencies in sample check-in?	YES	NO	NA
12. Were any samples rejected?	YES	NO	
* If so, please state field ID of rejected sample(s): _____			

Sample Custodian (signed): A Bragan

391641

SUTHERLAND ENVIRONMENTAL COMPANY, INC.

2515 5th Avenue South
Birmingham, AL 35233

Phone: 205 581 9500
Fax: 205 581 9504

SPHERE 3
ENGINEERING, INC

Consultant Name: SPHERE 3 Engineering, Inc.
Address: 3433 Sierra Drive
City/State/Zip: Hoover, Alabama 35216
Client: Lalani Enterprises
Consultant Project Mgr: Greg Hoagland
Consultant Telephone Number: (205) 403.3317 **Fax No.:** (205) 403.3318
Sampler Name: (Print) KARSTEN S
Sampler Signature:

Page #: Page 1 of 1
Invoice To: SPHERE 3 Engineering, Inc.
Report To: greg@sphere3.com; jon@sphere3.com, mail original
Project #: LE.22QS.01
UST Incident No.: UST18-11-01
Facility ID #: Highway 22 Quick Stop
Site Address: 4014 4th Avenue North
City, County, State: Clanton, Chilton County, Alabama

Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify): WATER	Analyze For: TOTAL LEAD 6010	TPH 418.1	TEMPERATURE	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	.PDF Results (yes or no)	Due Date of Report
SOIL COMP-1 197618	8/21/18	1200	1		X									X					X		X	X			N	Y	
TEMPERATURE BLANK	—	—	1											X						X			X		N	Y	

Comments/Special Instructions:

Laboratory Comments:
Temperature Upon Receipt: N/A
Sample Containers Intact? (Y) N
VOCs Free of Headspace? Y N

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please pre-schedule w/ SUTHERLAND Project Manager or attach specifc instructions

Relinquished by:	Date	Time	Received by:	Date	Time
	8/21/18	1310		8/21/18	1:10
Relinquished by:	Date	Time	Received by:	Date	Time

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	January 10, 2019
Attention:	Mr. Greg Hoagland	Reference #	40319
Address:	3433 Sierra Drive	P.O. #	LE.22QS.02
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	soil	Analytical	
Date Received:	1/4/19	Analyst:	M. Hageman
Date Collected:	1/3/19	Date of Analysis:	1/10/19
Sample Collector:	G. Karstens	Method:	***EPA Method 6010B***

METALLIC ANALYTES

	FIELD ID						
	SOIL COMP-1						
Analyte, mg/Kg as Total	LAB ID						Detection Limit, mg/Kg
	201406						
Lead	BDL						1.0

BDL = Below Detection Limit
Detection Limit is Reporting Limit
All results expressed as PPM of total analyte

MH / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety

Kevin Doriety
Analytical Chemist

Sutherland Environmental Read and Review Checklist

1. Is the client and the sample collector(s) accurately noted on report?	NO	~~YES~~	NO	YES
2. Do all dates match the COC on the report?	NO	~~YES~~	NO	YES
3. Is the purchase order ID (PO) and project ID accurately noted on report?	NO	~~YES~~	NO	YES
4. Are all methods and method references correct on report?	NO	~~YES~~	NO	YES
5. Do the Field ID(s) and the Lab ID(s) correspond to the COC?	NO	~~YES~~	NO	YES
6. Is the report formatted correctly?	NO	~~YES~~	NO	YES
7. Does the following information on report correspond to the printout information from the analytical instrumentation:				
Sample Matrix	NO	~~YES~~	NO	YES
Analyst	NO	~~YES~~	NO	YES
Analysis Date/Time	NO	~~YES~~	NO	YES
Analyte concentration	NO	~~YES~~	NO	YES
Units	NO	~~YES~~	NO	YES
Dilution Factors/Conversions	NO	~~YES~~	NO	YES
Detection/Reporting/Quant. Limits	NO	~~YES~~	NO	YES
QC Reviewed:		~~YES~~		YES
***Initial*:**		MJH		

* MJH = Michael Heard, KD = Kevin Doriety, MSH = Matt Hageman, KH = Kelly Hester

PDF: Hoagland, Hunter, Karstens

Notes: _____

Invoice # 40319

Sutherland Environmental Co., Inc.

Sutherland Environmental Company Inc.

Sample Check-in Form

Date Received: 11/4/19 **Invoice #** 40319

Method of Delivery: hand **Client:** Sphere 3

1. Did any containers arrive broken?	YES	NO	
* If so, please state field ID with analysis of broken sample(s)			
2. Were cooler(s) sealed upon arrival?	YES	NO	NA
3. Were the samples received at the proper teamperature (4°C +/- 2°C)?	YES	NO	NA
4. Did a chain of custody accompany the samples?	YES	NO	
* Was it properly filled out?	YES	NO	
5. Were correct containers used for the analysis requested?	YES	NO	
6. Were all containers properly preserved?	YES	NO	NA
7. Were all water samples received at the proper pH?	YES	NO	NA
8. If VOA vials were present, was there any head space?	YES	NO	NA
* If so, please state field ID of deficient sample(s):			
9. Were all containers properly labeled and match chain of custody?	YES	NO	
10. Did containers arrive within holding time of analysis?	YES	NO	
* If not, please state field ID and analysis of sample(s) out of holding time:			
11. Was client informed of any/all deficiencies in sample check-in?	YES	NO	NA
12. Were any samples rejected?	YES	NO	
* If so, please state field ID of rejected sample(s):			

Sample Custodian (signed): A Braga

40319

SUTHERLAND ENVIRONMENTAL COMPANY, INC.
2515 5th Avenue South
Birmingham, AL 35233
Phone: 205 581 9500
Fax: 205 581 9504

SPHERE 3
ENGINEERING, INC

Consultant Name: SPHERE 3 Engineering, Inc.
Address: 3433 Sierra Drive
City/State/Zip: Hoover, Alabama 35216
Client: Lalani Enterprises
Consultant Project Mgr: Greg Hoagland
Consultant Telephone Number: (205) 403.3317 **Fax No.:** (205) 403.3318
Sampler Name: (Print) Kyle Kanatzar
Sampler Signature:

Page #: Page 1 of 1
Invoice To: SPHERE 3 Engineering, Inc.
Report To: greg@sphere3.com; jon@sphere3.com, mail original
Project #: LE.22QS.02
UST Incident No.: UST18-11-01
Facility ID #: Highway 22 Quick Stop
Site Address: 4014 4th Avenue North
City, County, State: Clanton, Chilton County, Alabama

Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify): WATER	Analyze For: TOTAL LEAD 6010	TEMPERATURE	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	.PDF Results (yes or no)	Due Date of Report
SOIL COMP-1 201406	1/3/19	1340	1		X									X					X		X			N	Y	
TEMPERATURE BLANK	—	—	1											X						X		X		N	Y	

Comments/Special Instructions:

Laboratory Comments:
Temperature Upon Receipt: N/A
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

Relinquished by:	Date	Time	Received by:	Date	Time
Kyle Kanatzar	1/4/19	10:35	Greg Hoagland	1/4/19	10:35
Relinquished by:	Date	Time	Received by:	Date	Time

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please pre-schedule w/ SUTHERLAND Project Manager or attach specifc instructions

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	January 15, 2019
Attention:	Mr. Greg Hoagland	Reference #	40318
Address:	3433 Sierra Drive	P.O. #	LE.22QS.02
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	soil	Analytical	
Date Received:	1/4/19	Analyst:	Hageman/Heard
Date Collected:	1/2-3/19	Date of Analysis:	1/7-8/19
Sample Collector:	G. Karstens	Method:	***EPA Method 8260B***

VOLATILE ORGANICS - BTEX/MTBE

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	SB-5 10'	SB-5 15'	SB-6 10'	SB-6 15'	SB-7 10'	SB-7 15'	
Volatile	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
Organic, ppm	201386	201387	201388	201389	201390	201391	Limit, ppm
Benzene	0.012	0.046	0.010	0.016	BDL	BDL	0.005
Toluene	0.073	0.418	0.046	0.091	0.011	0.009	0.005
Ethylbenzene	0.011	0.107	BDL	0.006	BDL	BDL	0.005
Xylenes, o,m,p	0.060	0.654	BDL	0.030	BDL	BDL	0.015
MTBE	BDL	BDL	BDL	BDL	BDL	BDL	0.005

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	SB-8 10'	SB-8 15'	SB-9 10'	SB-9 15'	SB-10 10'	SB-10 15'	
Volatile	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
Organic, ppm	201392	201393	201394	201395	201396	201397	Limit, ppm
Benzene	0.016	BDL	BDL	1.040	3.440	0.853	0.005
Toluene	0.086	0.022	0.005	18.100	62.000	15.100	0.005
Ethylbenzene	0.006	BDL	BDL	9.860	23.400	7.800	0.005
Xylenes, o,m,p	0.030	BDL	BDL	48.300	123.000	37.000	0.015
MTBE	BDL	BDL	BDL	0.353	1.060	0.651	0.005

BDL = Below Detection Limit
Detection Limit is Practical Quantitation Limit
All results expressed as ppm of analyte

EPA Laboratory ID AL01084

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	January 15, 2019
Attention:	Mr. Greg Hoagland	Reference #	40318
Address:	3433 Sierra Drive	P.O. #	LE.22QS.02
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	soil	Analytical	
Date Received:	1/4/19	Analyst:	Hageman/Heard
Date Collected:	1/2-3/19	Date of Analysis:	1/7-8/19
Sample Collector:	G. Karstens	Method:	***EPA Method 8260B***

VOLATILE ORGANICS - BTEX/MTBE

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	SB-11 10'	SB-11 15'	SB-12 10'	SB-12 15'	SB-13 10'	SB-13 15'	
Volatile	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
Organic, ppm	201398	201399	201400	201401	201402	201403	Limit, ppm
Benzene	0.030	0.012	0.006	BDL	3.140	4.760	0.005
Toluene	0.128	BDL	0.032	0.012	74.400	105.000	0.005
Ethylbenzene	0.010	BDL	BDL	0.013	35.400	55.200	0.005
Xylenes, o,m,p	0.046	BDL	0.017	0.079	172.000	243.000	0.015
MTBE	BDL	0.015	BDL	BDL	0.246	2.780	0.005

	FIELD ID	FIELD ID					
	SB-DW1 10'	SB-DW1 15'					
Volatile	LAB ID	LAB ID					Detection
Organic, ppm	201404	201405					Limit, ppm
Benzene	5.320	39.400					0.005
Toluene	95.600	369.000					0.005
Ethylbenzene	52.400	145.000					0.005
Xylenes, o,m,p	240.000	616.000					0.015
MTBE	1.550	3.830					0.005

BDL = Below Detection Limit
Detection Limit is Practical Quantitation Limit
All results expressed as ppm of analyte

/ QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety
Analytical Chemist

Quality Environmental Analytical Services

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	January 15, 2019
Attention:	Mr. Greg Hoagland	Reference #	40318
Address:	3433 Sierra Drive	P.O. #	LE.22QS.02
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	soil	Extraction Date:	1/9/19
Date Received:	1/4/19	Analyst:	Hageman/Heard
Date Collected:	1/2/19	Date of Analysis:	1/14/19
Sample Collector:	G. Karstens	Method:	***EPA Method 8270C***

POLYNUCLEAR AROMATIC HYDROCARBONS

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	SB-5 10'	SB-5 15'	SB-6 10'	SB-6 15'	SB-7 10'	SB-7 15'	
Polynuclear Aromatics, ppm	LAB ID 201386	LAB ID 201387	LAB ID 201388	LAB ID 201389	LAB ID 201390	LAB ID 201391	Detection Limit, ppm
Acenaphthene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Acenaphthylene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(a)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(b)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(k)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(ghi)perylene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(a)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Chrysene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Dibenzo(ah)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Fluorene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Indeno(1,2,3-cd)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Naphthalene	BDL	**0.094**	BDL	BDL	BDL	BDL	0.050
Phenanthrene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.050

BDL = Below Detection Limit
Detection Limit is Practical Quantitation Limit
All results expressed as PPM (mg/kg)

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	January 15, 2019
Attention:	Mr. Greg Hoagland	Reference #	40318
Address:	3433 Sierra Drive	P.O. #	LE.22QS.02
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	soil	Extraction Date:	1/10/19
Date Received:	1/4/19	Analyst:	Hageman/Heard
Date Collected:	1/2-3/19	Date of Analysis:	1/14/19
Sample Collector:	G. Karstens	Method:	***EPA Method 8270C***

POLYNUCLEAR AROMATIC HYDROCARBONS

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	SB-8 10'	SB-8 15'	SB-9 10'	SB-9 15'	SB-10 10'	SB-10 15'	
Polynuclear Aromatics, ppm	LAB ID 201392	LAB ID 201393	LAB ID 201394	LAB ID 201395	LAB ID 201396	LAB ID 201397	Detection Limit, ppm
Acenaphthene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Acenaphthylene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Anthracene	BDL	BDL	BDL	BDL	**0.083**	BDL	0.050
Benzo(a)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(b)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(k)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(ghi)perylene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(a)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Chrysene	BDL	BDL	BDL	BDL	**0.068**	BDL	0.050
Dibenzo(ah)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Fluoranthene	BDL	BDL	BDL	BDL	**0.109**	**0.066**	0.050
Fluorene	BDL	BDL	BDL	**0.066**	**0.065**	**0.059**	0.050
Indeno(1,2,3-cd)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Naphthalene	BDL	BDL	BDL	**5.350**	**7.300**	**4.180**	0.050
Phenanthrene	BDL	BDL	BDL	**0.130**	**0.342**	**0.133**	0.050
Pyrene	BDL	BDL	BDL	BDL	**0.100**	**0.060**	0.050

BDL = Below Detection Limit
Detection Limit is Practical Quantitation Limit
All results expressed as PPM (mg/kg)

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	January 15, 2019
Attention:	Mr. Greg Hoagland	Reference #	40318
Address:	3433 Sierra Drive	P.O. #	LE.22QS.02
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	soil	Extraction Date:	1/10/19
Date Received:	1/4/19	Analyst:	Hageman/Heard
Date Collected:	1/3/19	Date of Analysis:	1/14-15/19
Sample Collector:	G. Karstens	Method:	***EPA Method 8270C***

POLYNUCLEAR AROMATIC HYDROCARBONS

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	SB-11 10'	SB-11 15'	SB-12 10'	SB-12 15'	SB-13 10'	SB-13 15'	
Polynuclear	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
Aromatics, ppm	201398	201399	201400	201401	201402	201403	Limit, ppm
Acenaphthene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Acenaphthylene	BDL	BDL	BDL	BDL	**0.070**	**0.074**	0.050
Anthracene	BDL	BDL	BDL	BDL	BDL	**0.061**	0.050
Benzo(a)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(b)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(k)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(ghi)perylene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(a)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Chrysene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Dibenzo(ah)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Fluorene	BDL	BDL	BDL	BDL	BDL	**0.112**	0.050
Indeno(1,2,3-cd)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Naphthalene	BDL	BDL	BDL	BDL	**8.550**	**15.900**	0.050
Phenanthrene	BDL	BDL	BDL	BDL	**0.138**	**0.237**	0.050
Pyrene	BDL	BDL	BDL	BDL	BDL	**0.065**	0.050

BDL = Below Detection Limit
Detection Limit is Practical Quantitation Limit
All results expressed as PPM (mg/kg)

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	January 15, 2019
Attention:	Mr. Greg Hoagland	Reference #	40318
Address:	3433 Sierra Drive	P.O. #	LE.22QS.02
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	soil	Extraction Date:	1/10/19
Date Received:	1/4/19	Analyst:	Hageman/Heard
Date Collected:	1/2/19	Date of Analysis:	1/15/19
Sample Collector:	G. Karstens	Method:	***EPA Method 8270C***

POLYNUCLEAR AROMATIC HYDROCARBONS

Polynuclear Aromatics, ppm	FIELD ID SB-DW1 10' LAB ID 201404	FIELD ID SB-DW1 15' LAB ID 201405	Detection Limit, ppm
Acenaphthene	**0.064**	**0.149**	0.050
Acenaphthylene	**0.070**	**0.138**	0.050
Anthracene	**0.052**	**0.179**	0.050
Benzo(a)anthracene	BDL	BDL	0.050
Benzo(b)fluoranthene	BDL	BDL	0.050
Benzo(k)fluoranthene	BDL	BDL	0.050
Benzo(ghi)perylene	BDL	BDL	0.050
Benzo(a)pyrene	BDL	BDL	0.050
Chrysene	BDL	BDL	0.050
Dibenzo(ah)anthracene	BDL	BDL	0.050
Fluoranthene	BDL	BDL	0.050
Fluorene	**0.139**	**0.570**	0.050
Indeno(1,2,3-cd)pyrene	BDL	BDL	0.050
Naphthalene	**21.100**	**32.900**	0.050
Phenanthrene	**0.194**	**0.665**	0.050
Pyrene	**0.054**	**0.107**	0.050

BDL = Below Detection Limit
Detection Limit is Practical Quantitation Limit
All results expressed as PPM (mg/kg)

/ QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety
Analytical Chemist

Sutherland Environmental Read and Review Checklist

1. Is the client and the sample collector(s) accurately noted on report?	NO	YES	NO	YES
2. Do all dates match the COC on the report? PAH	NO	YES	NO	YES
3. Is the purchase order ID (PO) and project ID accurately noted on report?	NO	YES	NO	YES
4. Are all methods and method references correct on report?	NO	YES	NO	YES
5. Do the Field ID(s) and the Lab ID(s) correspond to the COC?	NO	YES	NO	YES
6. Is the report formatted correctly?	NO	YES	NO	YES
7. Does the following information on report correspond to the printout information from the analytical instrumentation:				
Sample Matrix	NO	YES	NO	YES
Analyst	NO	YES	NO	YES
Analysis Date/Time	NO	YES	NO	YES
Analyte concentration BTEX	NO	YES	NO	YES
Units	NO	YES	NO	YES
Dilution Factors/Conversions	NO	YES	NO	YES
Detection/Reporting/Quant. Limits	NO	YES	NO	YES
QC Reviewed:		YES		YES
***Initial*:**	MJH		KE	

* MJH = Michael Heard, KD = Kevin Doriety, MSH = Matt Hageman, KH = Kelly Hester

PDF: Hoagland, Hunter, Karstens

Notes: _____

Invoice # 40318

Sutherland Environmental Co., Inc.

Sutherland Environmental Company Inc.

Sample Check-in Form

Date Received: 1/4/19 **Invoice #** 40318

Method of Delivery: hand **Client:** Sphere 3

1. Did any containers arrive broken?	YES	NO	
* If so, please state field ID with analysis of broken sample(s)			
2. Were cooler(s) sealed upon arrival?	YES	NO	NA
3. Were the samples received at the proper teamperature ($4^{o}C$ +/- $2^{o}C$)?	YES	NO	NA
4. Did a chain of custody accompany the samples?	YES	NO	
* Was it properly filled out?	YES	NO	
5. Were correct containers used for the analysis requested?	YES	NO	
6. Were all containers properly preserved?	YES	NO	NA
7. Were all water samples received at the proper pH?	YES	NO	NA
8. If VOA vials were present, was there any head space?	YES	NO	NA
* If so, please state field ID of deficient sample(s):			
9. Were all containers properly labeled and match chain of custody?	YES	NO	
10. Did containers arrive within holding time of analysis?	YES	NO	
* If not, please state field ID and analysis of sample(s) out of holding time:			
11. Was client informed of any/all deficiencies in sample check-in?	YES	NO	NA
12. Were any samples rejected?	YES	NO	
* If so, please state field ID of rejected sample(s):			

Sample Custodian (signed): A Braga

40318

SUTHERLAND ENVIRONMENTAL COMPANY, INC.
2515 5th Avenue South
Birmingham, AL 35233
Phone: 205 581 9500
Fax: 205 581 9504

SPHERE 3
ENGINEERING, INC

Consultant Name: SPHERE 3 Engineering, Inc.
Address: 3433 Sierra Drive
City/State/Zip: Hoover, Alabama 35216
Client: Lalani Enterprises
Consultant Project Mgr: Greg Hoagland
Consultant Telephone Number: (205) 403.3317 **Fax No.:** (205) 403.3318
Sampler Name: (Print) K Sellers
Sampler Signature: K Sellers

Page #: Page 1 of 3
Invoice To: SPHERE 3 Engineering, Inc.
Report To: G.Hoagland/J.Hunter/G.Karstens/mail original
Project #: LE.22QS.02
UST Incident No.: UST18-11-01
Facility ID #: Highway 22 Quick Stop
Site Address: 4014 4th Avenue North
City, County, State: Clanton, Chilton County, Alabama

Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify): WATER	Analyze For: BTEX/MTBE 8260B	PAH 8270C	TEMPERATURE	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	.PDF Results (yes or no)	Due Date of Report
SB-5 10' 201386	1/2/19	1000	1	X										X					X		X	X			N	Y	
SB-5 15' 201387	1/2/19	1015	1	X										X					X		X	X			N	Y	
SB-6 10' 201388	1/2/19	1100	1	X										X					X		X	X			N	Y	
SB-6 15' 201389	1/2/19	1115	1	X										X					X		X	X			N	Y	
SB-7 10' 201390	1/2/19	1245	1	X										X					X		X	X			N	Y	
SB-7 15' 201391	1/2/19	1300	1	X										X					X		X	X			N	Y	
SB-8 10' 201392	1/2/19	1320	1	X										X					X		X	X			N	Y	
SB-8 15' 201393	1/2/19	1340	1	X										X					X		X	X			N	Y	
SB-9 10' 201394	1/3/19	0820	1	X										X					X		X	X			N	Y	
SB-9 15' 201395	1/3/19	0835	1	X										X					X		X	X			N	Y	

Comments/Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
K Sellers	1/4/19	10:35	A Bragan	11/4/19	10:35
Relinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:
Temperature Upon Receipt: NA
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please pre-schedule w/ SUTHERLAND Project Manager or attach specifc instructions

40318

SUTHERLAND ENVIRONMENTAL COMPANY, INC.
2515 5th Avenue South
Birmingham, AL 35233
Phone: 205 581 9500
Fax: 205 581 9504

SPHERE 3
ENGINEERING, INC

Consultant Name: SPHERE 3 Engineering, Inc.
Address: 3433 Sierra Drive
City/State/Zip: Hoover, Alabama 35216
Client: Lalani Enterprises
Consultant Project Mgr: Greg Hoagland
Consultant Telephone Number: (205) 403.3317 **Fax No.:** (205) 403.3318
Sampler Name: (Print) K.R. Sprowls
Sampler Signature:

Page #: Page 2 of 3
Invoice To: SPHERE 3 Engineering, Inc.
Report To: G.Hoagland/J.Hunter/G.Karstens/mail original
Project #: LE.22QS.02
UST Incident No.: UST18-11-01
Facility ID #: Highway 22 Quick Stop
Site Address: 4014 4th Avenue North
City, County, State: Clanton, Chilton County, Alabama

Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify): WATER	Analyze For: BTEX/MTBE 8260B	PAH 8270C	TEMPERATURE	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	.PDF Results (yes or no)	Due Date of Report
SB-10 10' 201396	1/3/19	1000	1	X										X					X		X	X			N	Y	
SB-10 15' 201397	1/3/19	1015	1	X										X					X		X	X			N	Y	
SB-11 10' 201398	1/3/19	1145	1	X										X					X		X	X			N	Y	
SB-11 15' 201399	1/3/19	1130	1	X										X					X		X	X			N	Y	
SB-12 10' 201400	1/3/19	0910	1	X										X					X		X	X			N	Y	
SB-12 15' 201401	1/3/19	0835	1	X										X					X		X	X			N	Y	
SB-13 10' 201402	1/3/19	1245	1	X										X					X		X	X			N	Y	
SB-13 15' 201403	1/3/19	1230	1	X										X					X		X	X			N	Y	
SB-DW1 10' 201404	1/2/19	0940	1	X										X					X		X	X			N	Y	
SB-DW1 15' 201405	1/2/19	0952	1	X										X					X		X	X			N	Y	

Comments/Special Instructions:

Laboratory Comments:
Temperature Upon Receipt: N/A
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please pre-schedule w/ SUTHERLAND Project Manager or attach specifc instructions

Relinquished by:	Date	Time	Received by:	Date	Time
K.R. Sprowls	1/4/19	10:35	[illegible]	1/4/19	10:35
Relinquished by:	Date	Time	Received by:	Date	Time

40318

SUTHERLAND ENVIRONMENTAL COMPANY, INC.

2515 5th Avenue South
Birmingham, AL 35233

Phone: 205 581 9500
Fax: 205 581 9504

SPHERE 3
ENGINEERING, INC

Consultant Name: SPHERE 3 Engineering, Inc.
Address: 3433 Sierra Drive
City/State/Zip: Hoover, Alabama 35216
Client: Lalani Enterprises
Consultant Project Mgr: Greg Hoagland
Consultant Telephone Number: (205) 403.3317 **Fax No.:** (205) 403.3318
Sampler Name: (Print) Karissa Reed
Sampler Signature:

Page #: Page 3 of 3
Invoice To: SPHERE 3 Engineering, Inc.
Report To: G.Hoagland/J.Hunter/G.Karstens/mail original
Project #: LE.22QS.02
UST Incident No.: UST18-11-01
Facility ID #: Highway 22 Quick Stop
Site Address: 4014 4th Avenue North
City, County, State: Clanton, Chilton County, Alabama

Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify): WATER	Analyze For: BTEX/MTBE 8260B	PAH 8270C	TEMPERATURE	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	.PDF Results (yes or no)	Due Date of Report
TEMPERATURE BLANK	—	—	1											X						X			X		N	Y	

Comments/Special Instructions:

Laboratory Comments:
Temperature Upon Receipt: N/A
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please pre-schedule w/ SUTHERLAND Project Manager or attach specifc instructions

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	1/4/19	10:35	[signature]	1/4/19	10:35
Relinquished by:	Date	Time	Received by:	Date	Time

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	January 16, 2019
Attention:	Mr. Greg Hoagland	Reference #	40329
Address	3433 Sierra Drive	P.O. #	LE.22QS.02
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	soil	Analytical	
Date Received:	1/7/19	Analyst:	Kevin Doriety/D. Brown
Date Collected:	1/3/19	Date of Analysis:	1/8-16/19
Sample Collector:	G. Karstens	Method:	***(Listed Below)***

PHYSICAL CHARACTERISTICS OF SOIL

Field ID	Lab ID	Gravimetric Moisture Content g-water/ g-soil (1)	Volumetric Moisture Content cc-water/ cc-soil (1a)	Dry Bulk Density pcf (2)	Dry Bulk Density g/cc (2)	Specific Gravity @ 20° C (3)	Porosity cc /cc-soil (4)	Fractional Organic Matter Content g-ash/ g-soil (5)	Fractional Organic Carbon Content g-carbon/ g-soil (6)
Shelby Tube	201421	0.1760	0.2876	102	1.63	2.36	0.3077	0.0333	0.0193

Test Methods/Calculations:

MC = Moisture Contect DBD = Dry Bulk Density SG = Specific Gravity

(1) ASTM D2216

(1a) Volumetric MC = Gravimetric MC x DBD (g/cc)

(2) ASTM D2937

(3) ASTM D854

(4) Porosity = 1 - [DBD (g/cc) / SG (g/cc)]

(5) ASTM D2974

(6) Fractional Organic Carbon Content = Fractional Organic Matter Content / 1.724

Method References

ASTM D04.08

ADEM, 2001, UST ARBCA Guidance Manual (pgs 5-11 - 5-13)

MH / QAQC

EPA Laboratory ID AL01084
ADEM #41470

Respectfully submitted,

Kevin Doriety

Kevin Doriety
Analytical Chemist

Sutherland Environmental Read and Review Checklist

1. Is the client and the sample collector(s) accurately noted on report?	NO	YES	NO	YES
2. Do all dates match the COC on the report?	NO	YES	NO	YES
3. Is the purchase order ID (PO) and project ID accurately noted on report?	NO	YES	NO	YES
4. Are all methods and method references correct on report?	NO	YES	NO	YES
5. Do the Field ID(s) and the Lab ID(s) correspond to the COC?	NO	YES	NO	YES
6. Is the report formatted correctly?	NO	YES	NO	YES
7. Does the following information on report correspond to the printout information from the analytical instrumentation:				
Sample Matrix	NO	YES	NO	YES
Analyst	NO	YES	NO	YES
Analysis Date/Time	NO	YES	NO	YES
Analyte concentration	NO	YES	NO	YES
Units	NO	YES	NO	YES
Dilution Factors/Conversions	NO	YES	NO	YES
Detection/Reporting/Quant. Limits	NO	YES	NO	YES
QC Reviewed:		YES		YES
***Initial*:**		MJH		KH

* MJH = Michael Heard, KD = Kevin Doriety, MSH = Matt Hageman, KH = Kelly Hester

PDF: Hoagland, Hunter, Karstens

Notes: _____

Invoice # 40329

Sutherland Environmental Co., Inc.

Sutherland Environmental Company Inc.

Sample Check-in Form

Date Received: 1/7/19 **Invoice #** 40329

Method of Delivery: hand **Client:** Sphere 3

1. Did any containers arrive broken?	YES	NO	
* If so, please state field ID with analysis of broken sample(s) _____			
2. Were cooler(s) sealed upon arrival?	YES	NO	NA
3. Were the samples received at the proper temperature (4°C +/- 2°C)?	YES	NO	NA
4. Did a chain of custody accompany the samples?	YES	NO	
* Was it properly filled out?	YES	NO	
5. Were correct containers used for the analysis requested?	YES	NO	
6. Were all containers properly preserved?	YES	NO	NA
7. Were all water samples received at the proper pH?	YES	NO	NA
8. If VOA vials were present, was there any head space?	YES	NO	NA
* If so, please state field ID of deficient sample(s): _____			
9. Were all containers properly labeled and match chain of custody?	YES	NO	
10. Did containers arrive within holding time of analysis?	YES	NO	
* If not, please state field ID and analysis of sample(s) out of holding time: _____			
11. Was client informed of any/all deficiencies in sample check-in?	YES	NO	NA
12. Were any samples rejected?	YES	NO	
* If so, please state field ID of rejected sample(s): _____			

Sample Custodian (signed): A Bragaw

40329

SUTHERLAND ENVIRONMENTAL COMPANY, INC.
2515 5th Avenue South
Birmingham, AL 35233
Phone: 205 581 9500
Fax: 205 581 9504

SPHERE 3
ENGINEERING, INC

Consultant Name: SPHERE 3 Engineering, Inc.
Address: 3433 Sierra Drive
City/State/Zip: Hoover, Alabama 35216
Client: Lalani Enterprises
Consultant Project Mgr: Greg Hoagland
Consultant Telephone Number: (205) 403.3317 **Fax No.:** (205) 403.3318
Sampler Name: (Print) [illegible]
Sampler Signature:

Page #: Page 1 of 1
Invoice To: SPHERE 3 Engineering, Inc.
Report To: greg@sphere3.com/jon@sphere3.com/mail original
Project #: LE.22QS.02
UST Incident No.: UST18-11-01
Facility ID #: Highway 22 Quick Stop
Site Address: 4014 4th Avenue North
City, County, State: Clanton, Chilton County, Alabama

							Preservative							Matrix						Analyze For:													
Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify): WATER	Gravimetric Moisture Content	Volumetric Moisture Content	Dry Bulk Density (pcf)	Dry Bulk Density (g/cc)	Specific Gravity @ 20 C	Porosity	Fractional Organic Matter Content	Fractional Organic Carbon Content				RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	.PDF Results (yes or no)	Due Date of Report
SHELBY TUBE 20421	1/3/19	1530	1	X										X					X		X	X	X	X	X	X	X	X					N	Y	

Comments/Special Instructions:

Laboratory Comments:
Temperature Upon Receipt: N/A
Sample Containers Intact? (Y) N
VOCs Free of Headspace? Y N

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	1/4/19	3:35	[signature]	1/7/19	3:35
Relinquished by:	Date	Time	Received by:	Date	Time

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please pre-schedule w/ SUTHERLAND Project Manager or attach specifc instructions

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	June 14, 2019
Attention:	Mr. Greg Hoagland	Reference #	41057
Address:	3433 Sierra Drive	P.O. #	LE.22QS.03
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	soil	Analytical	
Date Received:	6/10/19	Analyst:	Hageman/Heard
Date Collected:	6/6-7/19	Date of Analysis:	6/11-12/19
Sample Collector:	G. Karstens	Method:	***EPA Method 8260B***

VOLATILE ORGANICS - BTEX/MTBE

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	SB-14 10'	SB-14 15'	SB-15 10'	SB-15 15'	SB-16 10'	SB-16 15'	
Volatile	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
Organic, ppm	205044	205045	205046	205047	205048	205049	Limit, ppm
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	0.005
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	0.005
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	0.005
Xylenes, o,m,p	BDL	BDL	BDL	BDL	BDL	BDL	0.015
MTBE	BDL	BDL	BDL	BDL	BDL	**0.007**	0.005

	FIELD ID	FIELD ID	FIELD ID	FIELD ID			
	SB-17 10'	SB-17 15'	SB-18 10'	SB-18 15'			
Volatile	LAB ID	LAB ID	LAB ID	LAB ID			Detection
Organic, ppm	205050	205051	205052	205053			Limit, ppm
Benzene	BDL	BDL	BDL	BDL			0.005
Toluene	BDL	**0.008**	BDL	BDL			0.005
Ethylbenzene	BDL	**0.094**	BDL	BDL			0.005
Xylenes, o,m,p	BDL	**0.520**	BDL	BDL			0.015
MTBE	BDL	BDL	BDL	BDL			0.005

BDL = Below Detection Limit
Detection Limit is Practical Quantitation Limit
All results expressed as ppm of analyte

MH / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety

Kevin Doriety
Analytical Chemist

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	June 14, 2019
Attention:	Mr. Greg Hoagland	Reference #	41057
Address:	3433 Sierra Drive	P.O. #	LE.22QS.03
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	soil	Extraction Date:	6/11/19
Date Received:	6/10/19	Analyst:	Hageman/Heard
Date Collected:	6/6-7/19	Date of Analysis:	6/13/19
Sample Collector:	G. Karstens	Method:	***EPA Method 8270C***

POLYNUCLEAR AROMATIC HYDROCARBONS

	FIELD ID SB-14 10'	FIELD ID SB-14 15'	FIELD ID SB-15 10'	FIELD ID SB-15 15'	FIELD ID SB-16 10'	FIELD ID SB-16 15'	
Polynuclear Aromatics, ppm	LAB ID 205044	LAB ID 205045	LAB ID 205046	LAB ID 205047	LAB ID 205048	LAB ID 205049	Detection Limit, ppm
Acenaphthene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Acenaphthylene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(a)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(b)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(k)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(ghi)perylene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(a)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Chrysene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Dibenzo(ah)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Fluorene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Indeno(1,2,3-cd)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Phenanthrene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.050

BDL = Below Detection Limit
Detection Limit is Practical Quantitation Limit
All results expressed as PPM (mg/kg)

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	June 14, 2019
Attention:	Mr. Greg Hoagland	Reference #	41057
Address:	3433 Sierra Drive	P.O. #	LE.22QS.03
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	soil	Extraction Date:	6/11-12/19
Date Received:	6/10/19	Analyst:	Hageman/Heard
Date Collected:	6/6-7/19	Date of Analysis:	6/13/19
Sample Collector:	G. Karstens	Method:	***EPA Method 8270C***

POLYNUCLEAR AROMATIC HYDROCARBONS

	FIELD ID SB-17 10'	FIELD ID SB-17 15'	FIELD ID SB-18 10'	FIELD ID SB-18 15'			
Polynuclear Aromatics, ppm	LAB ID 205050	LAB ID 205051	LAB ID 205052	LAB ID 205053			Detection Limit, ppm
Acenaphthene	BDL	BDL	BDL	BDL			0.050
Acenaphthylene	BDL	BDL	BDL	BDL			0.050
Anthracene	BDL	BDL	BDL	BDL			0.050
Benzo(a)anthracene	BDL	BDL	BDL	BDL			0.050
Benzo(b)fluoranthene	BDL	BDL	BDL	BDL			0.050
Benzo(k)fluoranthene	BDL	BDL	BDL	BDL			0.050
Benzo(ghi)perylene	BDL	BDL	BDL	BDL			0.050
Benzo(a)pyrene	BDL	BDL	BDL	BDL			0.050
Chrysene	BDL	BDL	BDL	BDL			0.050
Dibenzo(ah)anthracene	BDL	BDL	BDL	BDL			0.050
Fluoranthene	BDL	BDL	BDL	BDL			0.050
Fluorene	BDL	BDL	BDL	BDL			0.050
Indeno(1,2,3-cd)pyrene	BDL	BDL	BDL	BDL			0.050
Naphthalene	BDL	BDL	BDL	BDL			0.050
Phenanthrene	BDL	BDL	BDL	BDL			0.050
Pyrene	BDL	BDL	BDL	BDL			0.050

BDL = Below Detection Limit
Detection Limit is Practical Quantitation Limit
All results expressed as PPM (mg/kg)

MK / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety
Analytical Chemist

Sutherland Environmental Read and Review Checklist

1. Is the client and the sample collector(s) accurately noted on report?	NO	YES	NO	YES
2. Do all dates match the COC on the report?	NO	YES	NO	YES
3. Is the purchase order ID (PO) and project ID accurately noted on report?	NO	YES	NO	YES
4. Are all methods and method references correct on report?	NO	YES	NO	YES
5. Do the Field ID(s) and the Lab ID(s) correspond to the COC?	NO	YES	NO	YES
6. Is the report formatted correctly?	NO	YES	NO	YES
7. Does the following information on report correspond to the printout information from the analytical instrumentation:				
Sample Matrix	NO	YES	NO	YES
Analyst	NO	YES	NO	YES
Analysis Date/Time	NO	YES	NO	YES
Analyte concentration	NO	YES	NO	YES
Units	NO	YES	NO	YES
Dilution Factors/Conversions	NO	YES	NO	YES
Detection/Reporting/Quant. Limits	NO	YES	NO	YES
QC Reviewed:		YES		YES
***Initial*:**		MSH		KH

* MJH = Michael Heard, KD = Kevin Doriety, MSH = Matt Hageman, KH = Kelly Hester

PDF: Hoagland, Hunter

Invoice # 41057

Notes: _____

Sutherland Environmental Co., Inc.

Sutherland Environmental Company Inc.

Sample Check-in Form

Date Received: 6/10/19 **Invoice #** 41057

Method of Delivery: hand **Client:** Sphere 3

1. Did any containers arrive broken?	YES	✓NO	
* If so, please state field ID with analysis of broken sample(s) _____			
2. Were cooler(s) sealed upon arrival?	✓YES	NO	NA
3. Were the samples received at the proper temperature (4°C +/- 2°C)?	✓YES	NO	NA
4. Did a chain of custody accompany the samples?	✓YES	NO	
* Was it properly filled out?	✓YES	NO	
5. Were correct containers used for the analysis requested?	✓YES	NO	
6. Were all containers properly preserved?	✓YES	NO	NA
7. Were all water samples received at the proper pH?	YES	NO	✓NA
8. If VOA vials were present, was there any head space?	YES	NO	✓NA
* If so, please state field ID of deficient sample(s): _____			
9. Were all containers properly labeled and match chain of custody?	✓YES	NO	
10. Did containers arrive within holding time of analysis?	✓YES	NO	
* If not, please state field ID and analysis of sample(s) out of holding time: _____			
11. Was client informed of any/all deficiencies in sample check-in?	YES	NO	✓NA
12. Were any samples rejected?	YES	✓NO	
* If so, please state field ID of rejected sample(s): _____			

Sample Custodian (signed): M. Cam

41057

SUTHERLAND ENVIRONMENTAL COMPANY, INC.

2515 5th Avenue South
Birmingham, AL 35233

Phone: 205 581 9500
Fax: 205 581 9504

SPHERE 3
ENGINEERING, INC

Consultant Name: SPHERE 3 Engineering, Inc.
Address: 3433 Sierra Drive
City/State/Zip: Hoover, Alabama 35216
Client: Lalani Enterprises
Consultant Project Mgr: Greg Hoagland
Consultant Telephone Number: (205) 403.3317 **Fax No.:** (205) 403.3318
Sampler Name: (Print) KARSTENS
Sampler Signature:

Page #: Page 1 of 2
Invoice To: SPHERE 3 Engineering, Inc.
Report To: G.Hoagland/J.Hunter/G.Karstens/mail original
Project #: LE.22QS.03
UST Incident No.: UST18-11-01
Facility ID #: Highway 22 Quick Stop
Site Address: 4014 4th Avenue North
City, County, State: Clanton, Chilton County, Alabama

Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify): WATER	Analyze For: BTEX/MTBE 8260B	PAH 8270C	TEMPERATURE	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	.PDF Results (yes or no)	Due Date of Report
SB-14 10' 205044	6/7/19	1200	1	X										X					X		X	X			N	Y	
SB-14 15' 205045	6/7/19	1215	1	X										X					X		X	X			N	Y	
SB-15 10' 205046	6/6/19	0940	1	X										X					X		X	X			N	Y	
SB-15 15' 205047	6/6/19	0950	1	X										X					X		X	X			N	Y	
SB-16 10' 205048	6/7/19	1020	1	X										X					X		X	X			N	Y	
SB-16 15' 205049	6/7/19	1035	1	X										X					X		X	X			N	Y	
SB-17 10' 205050	6/7/19	1050	1	X										X					X		X	X			N	Y	
SB-17 15' 205051	6/7/19	1100	1	X										X					X		X	X			N	Y	
SB-18 10' 205052	6/7/19	1145	1	X										X					X		X	X			N	Y	
SB-18 15' 205053	6/7/19	1155	1	X										X					X		X	X			N	Y	

Comments/Special Instructions:

Laboratory Comments:
Temperature Upon Receipt: 2.5
Sample Containers Intact? (Y) N
VOCs Free of Headspace? (Y) N

Relinquished by:	Date	Time	Received by:	Date	Time
	6/10/19	9:37			
Relinquished by:	Date	Time	Received by:	Date	Time
			M. Cam	6/10	9:38

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please pre-schedule w/ SUTHERLAND Project Manager or attach specifc instructions

41057

SUTHERLAND ENVIRONMENTAL COMPANY, INC.

2515 5th Avenue South
Birmingham, AL 35233

Phone: 205 581 9500
Fax: 205 581 9504

SPHERE 3
ENGINEERING, INC

Consultant Name: SPHERE 3 Engineering, Inc.
Address: 3433 Sierra Drive
City/State/Zip: Hoover, Alabama 35216
Client: Lalani Enterprises
Consultant Project Mgr: Greg Hoagland
Consultant Telephone Number: (205) 403.3317 **Fax No.:** (205) 403.3318
Sampler Name: (Print) K. Karstens
Sampler Signature: K. Karstens

Page #: Page 2 of 2
Invoice To: SPHERE 3 Engineering, Inc.
Report To: G.Hoagland/J.Hunter/G.Karstens/mail original
Project #: LE.22QS.03
UST Incident No.: UST18-11-01
Facility ID #: Highway 22 Quick Stop
Site Address: 4014 4th Avenue North
City, County, State: Clanton, Chilton County, Alabama

Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify): WATER	Analyze For: BTEX/MTBE 8260B	PAH 8270C	TEMPERATURE	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	.PDF Results (yes or no)	Due Date of Report
TEMPERATURE BLANK	—	—	1											X						X			X		N	Y	

Comments/Special Instructions:

Laboratory Comments:
Temperature Upon Receipt: 2.5
Sample Containers Intact? (Y) N
VOCs Free of Headspace? (Y) N

Relinquished by:	Date	Time	Received by:	Date	Time
K. Karstens	6/10/19	9:37			
Relinquished by:	Date	Time	Received by:	Date	Time
			M. Carr	6/10	9:38

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please pre-schedule w/ SUTHERLAND Project Manager or attach specifc instructions

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	June 11, 2019
Attention:	Mr. Greg Hoagland	Reference #	41058
Address:	3433 Sierra Drive	P.O. #	LE.22QS.03
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	soil	Analytical	
Date Received:	6/10/19	Analyst:	Kevin Doriety
Date Collected:	6/7/19	Date of Analysis:	6/11/19
Sample Collector:	G. Karstens	Method:	***EPA Method 6010B***

METALLIC ANALYTES

	FIELD ID						
	SOIL COMP-1						
Analyte, mg/Kg as Total	LAB ID						Detection Limit, mg/Kg
	205054						
Lead	4.7						1.0

BDL = Below Detection Limit
Detection Limit is Reporting Limit
All results expressed as PPM of total analyte

/ QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety
Analytical Chemist

Sutherland Environmental Read and Review Checklist

1. Is the client and the sample collector(s) accurately noted on report?	NO	YES	NO	YES
2. Do all dates match the COC on the report?	NO	YES	NO	YES
3. Is the purchase order ID (PO) and project ID accurately noted on report?	NO	YES	NO	YES
4. Are all methods and method references correct on report?	NO	YES	NO	YES
5. Do the Field ID(s) and the Lab ID(s) correspond to the COC?	NO	YES	NO	YES
6. Is the report formatted correctly?	NO	YES	NO	YES
7. Does the following information on report correspond to the printout information from the analytical instrumentation:				
Sample Matrix	NO	YES	NO	YES
Analyst	NO	YES	NO	YES
Analysis Date/Time	NO	YES	NO	YES
Analyte concentration	NO	YES	NO	YES
Units	NO	YES	NO	YES
Dilution Factors/Conversions	NO	YES	NO	YES
Detection/Reporting/Quant. Limits	NO	YES	NO	YES
QC Reviewed:		YES		YES
***Initial*:**	KD			

* MJH = Michael Heard, KD = Kevin Doriety, MSH = Matt Hageman, KH = Kelly Hester

PDF: Hoagland, Hunter, Karstens

Notes: _____

Invoice # 41058

Sutherland Environmental Co., Inc.

Sutherland Environmental Company Inc.

Sample Check-in Form

Date Received: 6/10/19 **Invoice #** 41058

Method of Delivery: hand **Client:** Sphere 3

1. Did any containers arrive broken?	YES	✓NO	
* If so, please state field ID with analysis of broken sample(s) _____			
2. Were cooler(s) sealed upon arrival?	✓YES	NO	NA
3. Were the samples received at the proper teamperature (4°C +/- 2°C)?	✓YES	NO	NA
4. Did a chain of custody accompany the samples?	✓YES	NO	
* Was it properly filled out?	✓YES	NO	
5. Were correct containers used for the analysis requested?	✓YES	NO	
6. Were all containers properly preserved?	✓YES	NO	NA
7. Were all water samples received at the proper pH?	YES	NO	✓NA
8. If VOA vials were present, was there any head space?	YES	NO	✓NA
* If so, please state field ID of deficient sample(s): _____			
9. Were all containers properly labeled and match chain of custody?	✓YES	NO	
10. Did containers arrive within holding time of analysis?	✓YES	NO	
* If not, please state field ID and analysis of sample(s) out of holding time: _____			
11. Was client informed of any/all deficiencies in sample check-in?	YES	NO	✓NA
12. Were any samples rejected?	YES	✓NO	
* If so, please state field ID of rejected sample(s): _____			

Sample Custodian (signed): M. Carr

41058

SUTHERLAND ENVIRONMENTAL COMPANY, INC.
2515 5th Avenue South
Birmingham, AL 35233
Phone: 205 581 9500
Fax: 205 581 9504

SPHERE 3
ENGINEERING, INC

Consultant Name: SPHERE 3 Engineering, Inc.
Address: 3433 Sierra Drive
City/State/Zip: Hoover, Alabama 35216
Client: Lalani Enterprises
Consultant Project Mgr: Greg Hoagland
Consultant Telephone Number: (205) 403.3317 **Fax No.:** (205) 403.3318
Sampler Name: (Print) KORY JAMES
Sampler Signature:

Page #: Page 1 of 1
Invoice To: SPHERE 3 Engineering, Inc.
Report To: greg@sphere3.com; jon@sphere3.com, mail original
Project #: LE.22QS.03
UST Incident No.: UST18-11-01
Facility ID #: Highway 22 Quick Stop
Site Address: 4014 4th Avenue North
City, County, State: Clanton, Chilton County, Alabama

Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify): WATER	Analyze For: TOTAL LEAD 6010	TEMPERATURE	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	PDF Results (yes or no)	Due Date of Report
SOIL COMP-1 205054	6/7/19	1400	1		X									X					X		X			N	Y	
TEMPERATURE BLANK	—	—	—											X						X		X		N	Y	

Comments/Special Instructions:

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact? (Y) N
VOCs Free of Headspace? (Y) N
QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please pre-schedule w/ SUTHERLAND Project Manager or attach specifc instructions

Relinquished by:	Date	Time	Received by:	Date	Time
	6/10/19	9:37			
Relinquished by:	Date	Time	Received by:	Date	Time
			M. Carr	6/10	9:38

SPHERE 3
ENGINEERING, INC

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	August 31, 2018
Attention:	Mr. Greg Hoagland	Reference #	39671
Address:	3433 Sierra Drive	P.O. #	LE22QS.01
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	water	Analytical	
Date Received:	8/27/18	Analyst:	Hageman/Heard
Date Collected:	8/23/18	Date of Analysis:	8/29-30/18
Sample Collector:	J. Johnson	Method:	***EPA Method 8260B***

VOLATILE ORGANICS - BTEX/MTBE

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID		
	MW-1	MW-2	MW-3	MW-4	DUP-1		
Volatile	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID		Detection
Organic, mg/L	197765	197766	197767	197768	197769		Limit, ppm
Benzene	**0.161**	**7.120**	**6.000**	**0.018**	**7.240**		0.001
Toluene	**0.008**	**26.200**	**36.700**	**0.092**	**27.600**		0.001
Ethylbenzene	**0.008**	**2.980**	**3.860**	**0.173**	**3.010**		0.001
Xylenes, o,m,p	**0.090**	**16.800**	**21.700**	**0.971**	**17.500**		0.003
MTBE	**0.172**	**25.600**	**0.436**	BDL	**24.700**		0.001

BDL = Below Detection Limit, Method
Detection Limit is Method Detection Limit
All results expressed as ppm (mg/L) of analyte
Samples preserved with HCL and refrigerated at 4 degrees C

MD / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety

Kevin Doriety
Analytical Chemist

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	August 31, 2018
Attention:	Mr. Greg Hoagland	Reference #	39671
Address:	3433 Sierra Dr.	P.O. #	LE22QS.01
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	water	Extraction Date:	8/28/18
Date Received:	8/27/18	Analyst:	Hageman/Heard
Date Collected:	8/23/18	Date of Analysis:	8/29/18
Sample Collector:	J. Johnson	Method:	***EPA Method 8270C***

POLYNUCLEAR AROMATIC HYDROCARBONS

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID		
	MW-1	MW-2	MW-3	MW-4	DUP-1		
Polynuclear	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID		Detection
Aromatics, ppm	197765	197766	197767	197768	197769		Limit, ppm
Acenaphthene	BDL	BDL	BDL	BDL	BDL		0.001
Acenaphthylene	BDL	BDL	BDL	BDL	BDL		0.001
Anthracene	BDL	BDL	BDL	BDL	BDL		0.001
Benzo(a)anthracene	BDL	BDL	BDL	BDL	BDL		0.001
Benzo(b)fluoranthene	BDL	BDL	BDL	BDL	BDL		0.0001
Benzo(k)fluoranthene	BDL	BDL	BDL	BDL	BDL		0.0001
Benzo(ghi)perylene	BDL	BDL	BDL	BDL	BDL		0.0005
Benzo(a)pyrene	BDL	BDL	BDL	BDL	BDL		0.0001
Chrysene	BDL	BDL	BDL	BDL	BDL		0.0005
Dibenzo(ah)anthracene	BDL	BDL	BDL	BDL	BDL		0.001
Fluoranthene	BDL	BDL	BDL	BDL	BDL		0.001
Fluorene	BDL	BDL	BDL	BDL	BDL		0.001
Indeno(1,2,3-cd)pyrene	BDL	BDL	BDL	BDL	BDL		0.001
Naphthalene	**0.015**	**0.626**	**0.703**	**0.040**	**0.753**		0.001
Phenanthrene	BDL	BDL	BDL	BDL	BDL		0.001
Pyrene	BDL	BDL	BDL	BDL	BDL		0.001

BDL = Below Detection Limit, Method
Detection Limit is Method Detection Limit
All results expressed as PPM (mg/L)

MK / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety

Kevin Doriety
Analytical Chemist

Sutherland Environmental Read and Review Checklist

1. Is the client and the sample collector(s) accurately noted on report?	NO	YES	NO	YES
2. Do all dates match the COC on the report?	NO	YES	NO	YES
3. Is the purchase order ID (PO) and project ID accurately noted on report?	NO	YES	NO	YES
4. Are all methods and method references correct on report?	NO	YES	NO	YES
5. Do the Field ID(s) and the Lab ID(s) correspond to the COC?	NO	YES	NO	YES
6. Is the report formatted correctly?	NO	YES	NO	YES
7. Does the following information on report correspond to the printout information from the analytical instrumentation:				
Sample Matrix	NO	YES	NO	YES
Analyst	NO	YES	NO	YES
Analysis Date/Time	NO	YES	NO	YES
Analyte concentration	NO	YES	NO	YES
Units	NO	YES	NO	YES
Dilution Factors/Conversions	NO	YES	NO	YES
Detection/Reporting/Quant. Limits	NO	YES	NO	YES
QC Reviewed:		YES		YES
***Initial*:**		MJH		KH

* MJH = Michael Heard, KD = Kevin Doriety, MSH = Matt Hageman, KH = Kelly Hester

PDF: Hoagland, Hunter

Invoice # 39071

Notes: _____

Sutherland Environmental Co., Inc.

Sutherland Environmental Company Inc.

Sample Check-in Form

Date Received: 8/27/18 **Invoice #** 391671

Method of Delivery: hand **Client:** Sphere 3

1. Did any containers arrive broken?	X (AB)	NO	
* If so, please state field ID with analysis of broken sample(s) BTEX MW2 #197766, Dup #197769			
2. Were cooler(s) sealed upon arrival?	YES	NO	NA
3. Were the samples received at the proper teamperature (4°C +/- 2°C)?	YES	NO	NA
4. Did a chain of custody accompany the samples?	YES	NO	
* Was it properly filled out?	YES	NO	
5. Were correct containers used for the analysis requested?	YES	NO	
6. Were all containers properly preserved?	YES	NO	NA
7. Were all water samples received at the proper pH?	YES	NO	NA
8. If VOA vials were present, was there any head space?	YES (AB)	NO	NA
* If so, please state field ID of deficient sample(s): BTEX MW1 #197765, MW4 #197768			
9. Were all containers properly labeled and match chain of custody?	YES	NO	
10. Did containers arrive within holding time of analysis?	YES	NO	
* If not, please state field ID and analysis of sample(s) out of holding time:			
11. Was client informed of any/all deficiencies in sample check-in?	X (AB)	NO	NA
12. Were any samples rejected?	YES	NO	
* If so, please state field ID of rejected sample(s):			

Sample Custodian (signed): ABragg

39671

SUTHERLAND ENVIRONMENTAL COMPANY, INC.
2515 5th Avenue South
Birmingham, AL 35233
Phone: 205 581 9500
Fax: 205 581 9504

SPHERE 3 ENGINEERING, INC

Consultant Name: SPHERE 3 Engineering, Inc.
Address: 3433 Sierra Drive
City/State/Zip: Hoover, Alabama 35216
Client: Lalani Enterprises
Consultant Project Mgr: Greg Hoagland
Consultant Telephone Number: (205) 403.3317 **Fax No.:** (205) 403.3318
Sampler Name: (Print) Jimmy Johnson
Sampler Signature:

Page #: Page 1 of 1
Invoice To: SPHERE 3 Engineering, Inc.
Report To: G.Hoagland/J.Hunter/G.Karstens/mail original
Project #: LE22QS.01
UST Incident No.: UST18-11-01
Facility ID #: Highway 22 Quick Stop
Site Address: 4014 4th Avenue North
City, County, State: Clanton, Chilton County, Alabama

Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify): WATER	Analyze For: BTEX/MTBE 8260B	PAH 8270C	TEMPERATURE	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	PDF Results (yes or no)	Due Date of Report
MW-1 197765	08/23/18	13:02	4	X					X					X	X						X	X			N	Y	
MW-2 197766	08/23/18	13:41	4	X					X					X	X						X	X			N	Y	
MW-3 197767	08/23/18	14:53	4	X					X					X	X						X	X			N	Y	
MW-4 197768	08/23/18	14:14	4	X					X					X	X						X	X			N	Y	
DUP-1 197769	08/23/18		4	X					X					X	X						X	X			N	Y	
TEMPERATURE BLANK																				X			X		N	Y	

Comments/Special Instructions:

Laboratory Comments:
Temperature Upon Receipt: 2.8°C
Sample Containers Intact? (Y) N
VOCs Free of Headspace? (Y) N
QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please pre-schedule w/ SUTHERLAND Project Manager or attach specifc instructions

Relinquished by:	Date	Time	Received by:	Date	Time
	8/27/18	16:27		8/27/18	4:27
Relinquished by:	Date	Time	Received by:	Date	Time

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	January 21, 2019
Attention:	Mr. Greg Hoagland	Reference #	40344
Address:	3433 Sierra Drive	P.O. #	LE22QS.02
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	water	Analytical	
Date Received:	1/11/19	Analyst:	Hageman/Heard
Date Collected:	1/10/19	Date of Analysis:	1/11-14/19
Sample Collector:	T. Bond/J. Johnson	Method:	***EPA Method 8260B***

VOLATILE ORGANICS - BTEX/MTBE

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	
Volatile	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
Organic, mg/L	201474	201475	201476	201477	201478	201479	Limit, ppm
Benzene	0.460	12.100	12.200	0.213	BDL	BDL	0.001
Toluene	0.049	47.200	63.600	0.150	BDL	BDL	0.001
Ethylbenzene	0.012	5.800	7.840	0.732	BDL	BDL	0.001
Xylenes, o,m,p	0.190	33.300	40.800	2.300	BDL	BDL	0.003
MTBE	0.380	17.100	1.350	0.005	BDL	BDL	0.001

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	MW-7	MW-8	MW-9	MW-11	MW-12	MW-13	
Volatile	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
Organic, mg/L	201480	201481	201482	201483	201484	201485	Limit, ppm
Benzene	BDL	BDL	2.460	0.184	0.009	8.960	0.001
Toluene	BDL	BDL	13.400	0.131	0.052	36.300	0.001
Ethylbenzene	BDL	BDL	6.700	0.023	0.009	4.890	0.001
Xylenes, o,m,p	BDL	BDL	36.100	0.195	0.051	27.800	0.003
MTBE	BDL	0.009	0.051	0.318	BDL	6.270	0.001

BDL = Below Detection Limit, Method
Detection Limit is Method Detection Limit
All results expressed as ppm (mg/L) of analyte
Samples preserved with HCL and refrigerated at 4 degrees C

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	January 21, 2019
Attention:	Mr. Greg Hoagland	Reference #	40344
Address:	3433 Sierra Drive	P.O. #	LE22QS.02
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	water	Analytical	
Date Received:	1/11/19	Analyst:	Hageman/Heard
Date Collected:	1/10/19	Date of Analysis:	1/11/19
Sample Collector:	T. Bond/J. Johnson	Method:	***EPA Method 8260B***

VOLATILE ORGANICS - BTEX/MTBE/NAPHTHALENE

	FIELD ID	FIELD ID					
	MW-DW1	DUP-1					
Volatile	LAB ID	LAB ID					Detection
Organic, mg/L	201486	201487					Limit, ppm
Benzene	**0.006**	BDL					0.001
Toluene	**0.055**	BDL					0.001
Ethylbenzene	**0.015**	BDL					0.001
Xylenes, o,m,p	**0.075**	BDL					0.003
MTBE	BDL	**0.010**					0.001
Naphthalene		BDL					0.005

BDL = Below Detection Limit, Method
Detection Limit is Method Detection Limit
All results expressed as ppm (mg/L) of analyte
Samples preserved with HCL and refrigerated at 4 degrees C

MH / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety

Kevin Doriety
Analytical Chemist

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	January 21, 2019
Attention:	Mr. Greg Hoagland	Reference #	40344
Address:	3433 Sierra Dr.	P.O. #	LE22QS.02
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	water	Extraction Date:	1/14/19
Date Received:	1/11/19	Analyst:	Hageman/Heard
Date Collected:	1/10/19	Date of Analysis:	1/18/19
Sample Collector:	T. Bond/J. Johnson	Method:	***EPA Method 8270C***

POLYNUCLEAR AROMATIC HYDROCARBONS

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	
Polynuclear	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
Aromatics, ppm	201474	201475	201476	201477	201478	201479	Limit, ppm
Acenaphthene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Acenaphthylene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Benzo(a)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Benzo(b)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.0001
Benzo(k)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.0001
Benzo(ghi)perylene	BDL	BDL	BDL	BDL	BDL	BDL	0.0005
Benzo(a)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.0001
Chrysene	BDL	BDL	BDL	BDL	BDL	BDL	0.0005
Dibenzo(ah)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Fluorene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Indeno(1,2,3-cd)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Naphthalene	**0.053**	**0.614**	**0.508**	**0.238**	BDL	BDL	0.001
Phenanthrene	BDL	BDL	BDL	**0.001**	BDL	BDL	0.001
Pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.001

BDL = Below Detection Limit, Method
Detection Limit is Method Detection Limit
All results expressed as PPM (mg/L)

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	January 21, 2019
Attention:	Mr. Greg Hoagland	Reference #	40344
Address:	3433 Sierra Dr.	P.O. #	LE22QS.02
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	water	Extraction Date:	1/15/19
Date Received:	1/11/19	Analyst:	Hageman/Heard
Date Collected:	1/10/19	Date of Analysis:	1/18-19/19
Sample Collector:	T. Bond/J. Johnson	Method:	***EPA Method 8270C***

POLYNUCLEAR AROMATIC HYDROCARBONS

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	MW-7	MW-8	MW-9	MW-11	MW-12	MW-13	
Polynuclear	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
Aromatics, ppm	201480	201481	201482	201483	201484	201485	Limit, ppm
Acenaphthene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Acenaphthylene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Benzo(a)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Benzo(b)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.0001
Benzo(k)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.0001
Benzo(ghi)perylene	BDL	BDL	BDL	BDL	BDL	BDL	0.0005
Benzo(a)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.0001
Chrysene	BDL	BDL	BDL	BDL	BDL	BDL	0.0005
Dibenzo(ah)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Fluorene	BDL	BDL	**0.001**	BDL	BDL	BDL	0.001
Indeno(1,2,3-cd)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Naphthalene	**0.002**	BDL	**0.567**	**0.018**	**0.003**	**0.416**	0.001
Phenanthrene	BDL	BDL	**0.001**	BDL	BDL	BDL	0.001
Pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.001

BDL = Below Detection Limit, Method
Detection Limit is Method Detection Limit
All results expressed as PPM (mg/L)

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	January 21, 2019
Attention:	Mr. Greg Hoagland	Reference #	40344
Address:	3433 Sierra Dr.	P.O. #	LE22QS.02
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	water	Extraction Date:	1/15/19
Date Received:	1/11/19	Analyst:	Hageman/Heard
Date Collected:	1/10/19	Date of Analysis:	1/19/19
Sample Collector:	T. Bond/J. Johnson	Method:	***EPA Method 8270C***

POLYNUCLEAR AROMATIC HYDROCARBONS

	FIELD ID						
	MW-DW1						
Polynuclear	LAB ID						Detection
Aromatics, ppm	201486						Limit, ppm
Acenaphthene	BDL						0.001
Acenaphthylene	BDL						0.001
Anthracene	BDL						0.001
Benzo(a)anthracene	BDL						0.001
Benzo(b)fluoranthene	BDL						0.0001
Benzo(k)fluoranthene	BDL						0.0001
Benzo(ghi)perylene	BDL						0.0005
Benzo(a)pyrene	BDL						0.0001
Chrysene	BDL						0.0005
Dibenzo(ah)anthracene	BDL						0.001
Fluoranthene	BDL						0.001
Fluorene	BDL						0.001
Indeno(1,2,3-cd)pyrene	BDL						0.001
Naphthalene	**0.001**						0.001
Phenanthrene	BDL						0.001
Pyrene	BDL						0.001

BDL = Below Detection Limit, Method
Detection Limit is Method Detection Limit
All results expressed as PPM (mg/L)

MH / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety

Kevin Doriety
Analytical Chemist

Sutherland Environmental Read and Review Checklist

1. Is the client and the sample collector(s) accurately noted on report?	NO	YES	NO	YES
2. Do all dates match the COC on the report?	NO	YES	NO	YES
3. Is the purchase order ID (PO) and project ID accurately noted on report?	NO	YES	NO	YES
4. Are all methods and method references correct on report?	NO	YES	NO	YES
5. Do the Field ID(s) and the Lab ID(s) correspond to the COC?	NO	YES	NO	YES
6. Is the report formatted correctly?	NO	YES	NO	YES
7. Does the following information on report correspond to the printout information from the analytical instrumentation:				
Sample Matrix	NO	YES	NO	YES
Analyst	NO	YES	NO	YES
Analysis Date/Time	NO	YES	NO	YES
Analyte concentration	NO	YES	NO	YES
Units	NO	YES	NO	YES
Dilution Factors/Conversions	NO	YES	NO	YES
Detection/Reporting/Quant. Limits	NO	YES	NO	YES
QC Reviewed:		YES		YES

Add MP for DUP

Initial*: MJH KD

* MJH = Michael Heard, KD = Kevin Doriety, MSH = Matt Hageman, KH = Kelly Hester

PDF: Hoagland, Hunter

Invoice # 40344

Notes: _____

Sutherland Environmental Co., Inc.

Sutherland Environmental Company Inc.

Sample Check-in Form

Date Received: 1/11/19 **Invoice #** 40344

Method of Delivery: hand **Client:** Sphere 3

1. Did any containers arrive broken?	YES	✓NO	
* If so, please state field ID with analysis of broken sample(s) _____			
2. Were cooler(s) sealed upon arrival?	✓YES	NO	NA
3. Were the samples received at the proper teamperature (4°C +/- 2°C)?	✓YES	NO	NA
4. Did a chain of custody accompany the samples?	✓YES	NO	
* Was it properly filled out?	✓YES	NO	
5. Were correct containers used for the analysis requested?	✓YES	NO	
6. Were all containers properly preserved?	✓YES	NO	NA
7. Were all water samples received at the proper pH?	✓YES	NO	NA
8. If VOA vials were present, was there any head space?	YES	✓NO	NA
* If so, please state field ID of deficient sample(s): _____			
9. Were all containers properly labeled and match chain of custody?	✓YES	NO	
10. Did containers arrive within holding time of analysis?	✓YES	NO	
* If not, please state field ID and analysis of sample(s) out of holding time: _____			
11. Was client informed of any/all deficiencies in sample check-in?	YES	NO	✓NA
12. Were any samples rejected?	YES	✓NO	
* If so, please state field ID of rejected sample(s): _____			

Sample Custodian (signed): M. Cam

40344

SUTHERLAND ENVIRONMENTAL COMPANY, INC.
2515 5th Avenue South
Birmingham, AL 35233
Phone: 205 581 9500
Fax: 205 581 9504

SPHERE 3 ENGINEERING, INC

Consultant Name: SPHERE 3 Engineering, Inc.
Address: 3433 Sierra Drive
City/State/Zip: Hoover, Alabama 35216
Client: Lalani Enterprises
Consultant Project Mgr: Greg Hoagland
Consultant Telephone Number: (205) 403.3317 **Fax No.:** (205) 403.3318
Sampler Name: (Print) Tres Bond, Jimmy Johnson
Sampler Signature:

Page #: Page 1 of 2
Invoice To: SPHERE 3 Engineering, Inc.
Report To: G.Hoagland/J.Hunter/G.Karstens/mail original
Project #: LE22QS.02
UST Incident No.: UST18-11-01
Facility ID #: Highway 22 Quick Stop
Site Address: 4014 4th Avenue North
City, County, State: Clanton, Chilton County, Alabama

Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify): WATER	Analyze For: BTEX/MTBE 8260B	PAH 8270C	TEMPERATURE	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	.PDF Results (yes or no)	Due Date of Report
MW-1 201474	01/10/19	15:02	4	X					X					X	X						X	X			N	Y	
MW-2 201475	01/10/19	14:06	4	X					X					X	X						X	X			N	Y	
MW-3 201476	01/10/19	13:11	4	X					X					X	X						X	X			N	Y	
MW-4 201477	01/10/19	13:48	4	X					X					X	X						X	X			N	Y	
MW-5 201478	01/10/19	11:17	4	X					X					X	X						X	X			N	Y	
MW-6 201479	01/10/19	10:43	4	X					X					X	X						X	X			N	Y	
MW-7 201480	01/10/19	10:22	4	X					X					X	X						X	X			N	Y	
MW-8 201481	01/10/19	12:14	4	X					X					X	X						X	X			N	Y	
MW-9 201482	01/10/19	11:51	4	X					X					X	X						X	X			N	Y	
MW-11 201483	01/10/19	14:33	4	X					X					X	X						X	X			N	Y	

Comments/Special Instructions:

Laboratory Comments:
Temperature Upon Receipt: 1.1°
Sample Containers Intact? (Y) N
VOCs Free of Headspace? (Y) N
QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please pre-schedule w/ SUTHERLAND Project Manager or attach specifc instructions

Relinquished by:	Date	Time	Received by:	Date	Time
	1/11/19	09:40			
			M. Carr	1/11/19	9:09

40344

SUTHERLAND ENVIRONMENTAL COMPANY, INC.
2515 5th Avenue South
Birmingham, AL 35233
Phone: 205 581 9500
Fax: 205 581 9504

SPHERE 3
ENGINEERING, INC

Consultant Name: SPHERE 3 Engineering, Inc.
Address: 3433 Sierra Drive
City/State/Zip: Hoover, Alabama 35216
Client: Lalani Enterprises
Consultant Project Mgr: Greg Hoagland
Consultant Telephone Number: (205) 403.3317 **Fax No.:** (205) 403.3318
Sampler Name: (Print) Tres Bond, Jimmy Johnson
Sampler Signature:

Page #: Page 2 of 2
Invoice To: SPHERE 3 Engineering, Inc.
Report To: G.Hoagland/J.Hunter/G.Karstens/mail original
Project #: LE22QS.02
UST Incident No.: UST18-11-01
Facility ID #: Highway 22 Quick Stop
Site Address: 4014 4th Avenue North
City, County, State: Clanton, Chilton County, Alabama

Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify): WATER	Analyze For: BTEX/MTBE 8260B	PAH 8270C	BTEX/MTBE/NAPHTHA 8260B	TEMPERATURE	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	.PDF Results (yes or no)	Due Date of Report
MW-12 201484	01/10/19	15:21	4	X					X					X	X						X	X				N	Y	
MW-13 201485	01/10/19	15:47	4	X					X					X	X						X	X				N	Y	
MW-DW1 201486	01/10/19	13:29	4	X					X					X	X						X	X				N	Y	
DUP-1 201487	01/10/19		3	X					X					X	X						X		X			N	Y	
TEMPERATURE BLANK																				X				X		N	Y	

Comments/Special Instructions:

Laboratory Comments:
Temperature Upon Receipt: 1.1°
Sample Containers Intact? (Y) N
VOCs Free of Headspace? (Y) N
QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please pre-schedule w/ SUTHERLAND Project Manager or attach specifc instructions

Relinquished by:	Date	Time	Received by:	Date	Time
	1/11/19	09:00			
Relinquished by:	Date	Time	Received by:	Date	Time
			M. Carr	1/11/19	9:09

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	June 19, 2019
Attention:	Mr. Greg Hoagland	Reference #	41076
Address:	3433 Sierra Drive	P.O. #	LE22QS.04
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	water	Analytical	
Date Received:	6/13/19	Analyst:	Hageman/Heard
Date Collected:	6/12/19	Date of Analysis:	6/15/19
Sample Collector:	T. Bond/J. Johnson	Method:	***EPA Method 8260B***

VOLATILE ORGANICS - BTEX/MTBE

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	
Volatile	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
Organic, mg/L	205174	205175	205176	205177	205178	205179	Limit, ppm
Benzene	**0.600**	**12.300**	**14.500**	**0.181**	BDL	BDL	0.001
Toluene	**0.039**	**43.800**	**66.800**	**0.100**	BDL	**0.001**	0.001
Ethylbenzene	**0.083**	**6.760**	**9.300**	**0.473**	BDL	BDL	0.001
Xylenes, o,m,p	**0.429**	**37.800**	**48.900**	**1.290**	**0.003**	**0.005**	0.003
MTBE	**0.035**	**17.500**	**1.960**	***0.004***	BDL	BDL	0.001

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	MW-7	MW-8	MW-9	MW-11	MW-12	MW-13	
Volatile	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
Organic, mg/L	205180	205181	205182	205183	205184	205185	Limit, ppm
Benzene	BDL	**0.007**	**2.010**	**0.464**	BDL	**13.700**	0.001
Toluene	**0.009**	**0.004**	**12.000**	**0.084**	BDL	**57.200**	0.001
Ethylbenzene	**0.007**	**0.020**	**7.240**	**0.061**	BDL	**8.940**	0.001
Xylenes, o,m,p	**0.041**	**0.016**	**35.200**	**0.473**	BDL	**46.600**	0.003
MTBE	BDL	BDL	***0.064***	**0.044**	BDL	**16.700**	0.001

Result is above method detection limit and below reporting limit
BDL = Below Detection Limit, Method
Detection Limit is Method Detection Limit
All results expressed as ppm (mg/L) of analyte
Samples preserved with HCL and refrigerated at 4 degrees C

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	June 19, 2019
Attention:	Mr. Greg Hoagland	Reference #	41076
Address:	3433 Sierra Drive	P.O. #	LE22QS.04
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	water	Analytical	
Date Received:	6/13/19	Analyst:	Hageman/Heard
Date Collected:	6/12/19	Date of Analysis:	6/15-17/19
Sample Collector:	T. Bond/J. Johnson	Method:	***EPA Method 8260B***

VOLATILE ORGANICS - BTEX/MTBE/NAPHTHALENE

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	MW-14	MW-15	MW-16	MW-17	MW-18	MW-DW1	
Volatile	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
Organic, mg/L	205186	205187	205188	205189	205190	205191	Limit, ppm
Benzene	**0.002**	**0.003**	**0.001**	**0.001**	**1.200**	BDL	0.001
Toluene	**0.015**	**0.006**	**0.004**	**0.011**	**2.480**	BDL	0.001
Ethylbenzene	**0.002**	**0.002**	BDL	**0.070**	**0.436**	BDL	0.001
Xylenes, o,m,p	**0.013**	**0.007**	**0.004**	**0.322**	**2.260**	BDL	0.003
MTBE	BDL	**0.001**	**0.004**	**0.008**	**0.654**	BDL	0.001

	FIELD ID						
	DUP-1						
Volatile	LAB ID						Detection
Organic, mg/L	205192						Limit, ppm
Benzene	**0.467**						0.001
Toluene	**0.099**						0.001
Ethylbenzene	**0.058**						0.001
Xylenes, o,m,p	**0.462**						0.003
MTBE	**0.041**						0.001
Naphthalene	***0.015***						0.005

Result is above method detection limit and below reporting limit
BDL = Below Detection Limit, Method
Detection Limit is Method Detection Limit
All results expressed as ppm (mg/L) of analyte
Samples preserved with HCL and refrigerated at 4 degrees C

MH / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety
Analytical Chemist

Sutherland

Environmental Company, Inc.

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Birmingham, AL 35233
205-581-9500

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Sample Matrix:	water	Extraction Date:	6/14/19
Date Received:	6/13/19	Analyst:	Hageman/Heard
Date Collected:	6/12/19	Date of Analysis:	6/18/19
Sample Collector:	T. Bond/J. Johnson	Method:	***EPA Method 8270C***

POLYNUCLEAR AROMATIC HYDROCARBONS

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	
Polynuclear	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
Aromatics, ppm	205174	205175	205176	205177	205178	205179	Limit, ppm
Acenaphthene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Acenaphthylene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Benzo(a)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Benzo(b)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.0001
Benzo(k)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.0001
Benzo(ghi)perylene	BDL	BDL	BDL	BDL	BDL	BDL	0.0005
Benzo(a)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.0001
Chrysene	BDL	BDL	BDL	BDL	BDL	BDL	0.0005
Dibenzo(ah)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Fluorene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Indeno(1,2,3-cd)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Naphthalene	**0.010**	**0.532**	**0.537**	**0.193**	BDL	BDL	0.001
Phenanthrene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.001

BDL = Below Detection Limit, Method
Detection Limit is Method Detection Limit
All results expressed as PPM (mg/L)

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	June 19, 2019
Attention:	Mr. Greg Hoagland	Reference #	41076
Address:	3433 Sierra Dr.	P.O. #	LE22QS.04
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	water	Extraction Date:	6/14-17/19
Date Received:	6/13/19	Analyst:	Hageman/Heard
Date Collected:	6/12/19	Date of Analysis:	6/18-19/19
Sample Collector:	T. Bond/J. Johnson	Method:	***EPA Method 8270C***

POLYNUCLEAR AROMATIC HYDROCARBONS

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	MW-7	MW-8	MW-9	MW-11	MW-12	MW-13	
Polynuclear	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
Aromatics, ppm	205180	205181	205182	205183	205184	205185	Limit, ppm
Acenaphthene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Acenaphthylene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Benzo(a)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Benzo(b)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.0001
Benzo(k)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.0001
Benzo(ghi)perylene	BDL	BDL	BDL	BDL	BDL	BDL	0.0005
Benzo(a)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.0001
Chrysene	BDL	BDL	BDL	BDL	BDL	BDL	0.0005
Dibenzo(ah)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Fluorene	BDL	BDL	**0.001**	BDL	BDL	BDL	0.001
Indeno(1,2,3-cd)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Naphthalene	**0.031**	**0.034**	**0.671**	**0.011**	BDL	**0.455**	0.001
Phenanthrene	BDL	BDL	**0.001**	BDL	BDL	BDL	0.001
Pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.001

BDL = Below Detection Limit, Method
Detection Limit is Method Detection Limit
All results expressed as PPM (mg/L)

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	June 19, 2019
Attention:	Mr. Greg Hoagland	Reference #	41076
Address:	3433 Sierra Dr.	P.O. #	LE22QS.04
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	water	Extraction Date:	6/17/19
Date Received:	6/13/19	Analyst:	Hageman/Heard
Date Collected:	6/12/19	Date of Analysis:	6/19/19
Sample Collector:	T. Bond/J. Johnson	Method:	***EPA Method 8270C***

POLYNUCLEAR AROMATIC HYDROCARBONS

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	MW-14	MW-15	MW-16	MW-17	MW-18	MW-DW1	
Polynuclear	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
Aromatics, ppm	205186	205187	205188	205189	205190	205191	Limit, ppm
Acenaphthene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Acenaphthylene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Benzo(a)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Benzo(b)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.0001
Benzo(k)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.0001
Benzo(ghi)perylene	BDL	BDL	BDL	BDL	BDL	BDL	0.0005
Benzo(a)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.0001
Chrysene	BDL	BDL	BDL	BDL	BDL	BDL	0.0005
Dibenzo(ah)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Fluorene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Indeno(1,2,3-cd)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Naphthalene	**0.003**	**0.005**	**0.003**	**0.011**	**0.141**	BDL	0.001
Phenanthrene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.001

BDL = Below Detection Limit, Method
Detection Limit is Method Detection Limit
All results expressed as PPM (mg/L)

MH / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety

Kevin Doriety
Analytical Chemist

Sutherland Environmental Read and Review Checklist

1. Is the client and the sample collector(s) accurately noted on report?	NO	YES	NO	YES
2. Do all dates match the COC on the report?	NO	YES	NO	YES
3. Is the purchase order ID (PO) and project ID accurately noted on report?	NO	YES	NO	YES
4. Are all methods and method references correct on report?	NO	YES	NO	YES
5. Do the Field ID(s) and the Lab ID(s) correspond to the COC?	NO	YES	NO	YES
6. Is the report formatted correctly?	NO	YES	NO	YES
7. Does the following information on report correspond to the printout information from the analytical instrumentation:				
Sample Matrix	NO	YES	NO	YES
Analyst	NO	YES	NO	YES
Analysis Date/Time	NO	YES	NO	YES
Analyte concentration	NO	YES	NO	YES
Units	NO	YES	NO	YES
Dilution Factors/Conversions	NO	YES	NO	YES
Detection/Reporting/Quant. Limits	NO	YES	NO	YES
QC Reviewed:		YES		YES

Initial*: MH _____ KH _____

* MJH = Michael Heard, KD = Kevin Doriety, MSH = Matt Hageman, KH = Kelly Hester

PDF: Hoagland, Hunter

Invoice # 41076

Notes: _____

Sutherland Environmental Co., Inc.

Sutherland Environmental Company Inc.

Sample Check-in Form

Date Received: 6/13/19 **Invoice #** 41076

Method of Delivery: hand **Client:** Sphere 3

1. Did any containers arrive broken?	YES	✓ NO	
* If so, please state field ID with analysis of broken sample(s) _____			
2. Were cooler(s) sealed upon arrival?	✓ YES	NO	NA
3. Were the samples received at the proper teamperature (4°C +/- 2°C)?	✓ YES	NO	NA
4. Did a chain of custody accompany the samples?	✓ YES	NO	
* Was it properly filled out?	✓ YES	NO	
5. Were correct containers used for the analysis requested?	✓ YES	NO	
6. Were all containers properly preserved?	✓ YES	NO	NA
7. Were all water samples received at the proper pH?	✓ YES	NO	NA
8. If VOA vials were present, was there any head space?	YES	✓ NO	NA
* If so, please state field ID of deficient sample(s): _____			
9. Were all containers properly labeled and match chain of custody?	✓ YES	NO	
10. Did containers arrive within holding time of analysis?	✓ YES	NO	
* If not, please state field ID and analysis of sample(s) out of holding time: _____			
11. Was client informed of any/all deficiencies in sample check-in?	YES	NO	✓ NA
12. Were any samples rejected?	YES	✓ NO	
* If so, please state field ID of rejected sample(s): _____			

Sample Custodian (signed): M. Carr

41076

SUTHERLAND ENVIRONMENTAL COMPANY, INC.
2515 5th Avenue South
Birmingham, AL 35233
Phone: 205 581 9500
Fax: 205 581 9504

SPHERE 3 ENGINEERING, INC

Consultant Name: SPHERE 3 Engineering, Inc.
Address: 3433 Sierra Drive
City/State/Zip: Hoover, Alabama 35216
Client: Lalani Enterprises
Consultant Project Mgr: Greg Hoagland
Consultant Telephone Number: (205) 403.3317 **Fax No.:** (205) 403.3318
Sampler Name: (Print) Tres Bond, Jimmy Johnson
Sampler Signature:

Page #: Page 1 of 2
Invoice To: SPHERE 3 Engineering, Inc.
Report To: G.Hoagland/J.Hunter/G.Karstens/mail original
Project #: LE22QS.04
UST Incident No.: UST18-11-01
Facility ID #: Highway 22 Quick Stop
Site Address: 4014 4th Avenue North
City, County, State: Clanton, Chilton County, Alabama

Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify): WATER	Analyze For: BTEX/MTBE 8260B	PAH 8270C	TEMPERATURE	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	PDF Results (yes or no)	Due Date of Report
MW-1 205174	06/12/19	16:58	4	X					X					X	X						X	X			N	Y	
MW-2 205175	06/12/19	16:09	4	X					X					X	X						X	X			N	Y	
MW-3 205176	06/12/19	14:49	4	X					X					X	X						X	X			N	Y	
MW-4 205177	06/12/19	13:55	4	X					X					X	X						X	X			N	Y	
MW-5 205178	06/12/19	12:44	4	X					X					X	X						X	X			N	Y	
MW-6 205179	06/12/19	13:02	4	X					X					X	X						X	X			N	Y	
MW-7 205180	06/12/19	13:37	4	X					X					X	X						X	X			N	Y	
MW-8 205181	06/12/19	11:51	4	X					X					X	X						X	X			N	Y	
MW-9 205182	06/12/19	11:34	4	X					X					X	X						X	X			N	Y	
MW-11 205183	06/12/19	16:22	4	X					X					X	X						X	X			N	Y	

Comments/Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
	6/13/19	16:35			
Relinquished by:	Date	Time	Received by:	Date	Time
			M. Cam	6/13	405

Laboratory Comments:
Temperature Upon Receipt: 1.3
Sample Containers Intact? (Y) N
VOCs Free of Headspace? Y N

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please pre-schedule w/ SUTHERLAND Project Manager or attach specifc instructions

41076

SUTHERLAND ENVIRONMENTAL COMPANY, INC.
2515 5th Avenue South
Birmingham, AL 35233
Phone: 205 581 9500
Fax: 205 581 9504

SPHERE 3 ENGINEERING, INC

Consultant Name: SPHERE 3 Engineering, Inc.
Address: 3433 Sierra Drive
City/State/Zip: Hoover, Alabama 35216
Client: Lalani Enterprises
Consultant Project Mgr: Greg Hoagland
Consultant Telephone Number: (205) 403.3317 **Fax No.:** (205) 403.3318
Sampler Name: (Print) Tres Bond, Jimmy Johnson
Sampler Signature:

Page #: Page 2 of 2
Invoice To: SPHERE 3 Engineering, Inc.
Report To: G.Hoagland/J.Hunter/G.Karstens/mail original
Project #: LE22QS.04
UST Incident No.: UST18-11-01
Facility ID #: Highway 22 Quick Stop
Site Address: 4014 4th Avenue North
City, County, State: Clanton, Chilton County, Alabama

Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify): WATER	Analyze For: BTEX/MTBE 8260B	PAH 8270C	BTEX/MTBE/NAPHTHA 8260B	TEMPERATURE	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	PDF Results (yes or no)	Due Date of Report
MW-12 205184	06/12/19	17:27	4	X					X					X	X						X	X				N	Y	
MW-13 205185	06/12/19	14:31	4	X					X					X	X						X	X				N	Y	
MW-14 205186	06/12/19	10:49	4	X					X					X	X						X	X				N	Y	
MW-15 205187	06/12/19	11:08	4	X					X					X	X						X	X				N	Y	
MW-16 205188	06/12/19	10:05	4	X					X					X	X						X	X				N	Y	
MW-17 205189	06/12/19	9:22	4	X					X					X	X						X	X				N	Y	
MW-18 205190	06/12/19	9:38	4	X					X					X	X						X	X				N	Y	
MW-DW1 205191	06/12/19	15:33	4	X					X					X	X						X	X				N	Y	
DUP-1 205192	06/12/19		3	X					X					X	X						X		X			N	Y	
TEMPERATURE BLANK																				X				X		N	Y	

Comments/Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
	6/13/19	16:05			
Relinquished by:	Date	Time	Received by:	Date	Time
			M. Carr	6/13	4:05

Laboratory Comments:
Temperature Upon Receipt: 1.3
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please pre-schedule w/ SUTHERLAND Project Manager or attach specifc instructions

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	September 20, 2019
Attention:	Mr. Greg Hoagland	Reference #	41579
Address:	3433 Sierra Drive	P.O. #	LE22QS.05
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	water	Analytical	
Date Received:	9/13/19	Analyst:	Hageman/Heard
Date Collected:	9/12/19	Date of Analysis:	9/15/19
Sample Collector:	T. Bond/J. Johnson	Method:	***EPA Method 8260B***

VOLATILE ORGANICS - BTEX/MTBE

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-7	
Volatile	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
Organic, mg/L	207622	207623	207624	207625	207626	207627	Limit, ppm
Benzene	**0.126**	**8.120**	**6.220**	**0.027**	BDL	BDL	0.001
Toluene	**0.005**	**25.400**	**37.200**	**0.031**	**0.001**	BDL	0.001
Ethylbenzene	**0.009**	**3.690**	**4.900**	**0.072**	BDL	BDL	0.001
Xylenes, o,m,p	**0.052**	**20.800**	**25.400**	**0.441**	BDL	BDL	0.003
MTBE	**0.028**	**14.800**	***0.070***	BDL	BDL	BDL	0.001

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	MW-8	MW-9	MW-11	MW-12	MW-13	MW-14	
Volatile	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
Organic, mg/L	207628	207629	207630	207631	207632	207633	Limit, ppm
Benzene	**0.002**	**2.720**	**0.046**	**0.001**	**7.360**	**0.018**	0.001
Toluene	BDL	**29.400**	**0.088**	BDL	**40.600**	**0.005**	0.001
Ethylbenzene	BDL	**14.700**	**0.016**	BDL	**7.260**	**0.005**	0.001
Xylenes, o,m,p	BDL	**60.400**	**0.093**	**0.004**	**36.800**	**0.010**	0.003
MTBE	BDL	***0.015***	**0.017**	BDL	**4.080**	**0.001**	0.001

Result is above method detection limit and below reporting limit
BDL = Below Detection Limit, Method
Detection Limit is Method Detection Limit
All results expressed as ppm (mg/L) of analyte
Samples preserved with HCL and refrigerated at 4 degrees C

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	September 20, 2019
Attention:	Mr. Greg Hoagland	Reference #	41579
Address:	3433 Sierra Drive	P.O. #	LE22QS.05
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	water	Analytical	
Date Received:	9/13/19	Analyst:	Hageman/Heard
Date Collected:	9/12/19	Date of Analysis:	9/15-16/19
Sample Collector:	T. Bond/J. Johnson	Method:	***EPA Method 8260B***

VOLATILE ORGANICS - BTEX/MTBE/NAPHTHALENE

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	MW-15	MW-16	MW-17	MW-18	MW-DW1	DUP-1	
Volatile	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
Organic, mg/L	207634	207635	207636	207637	207638	207639	Limit, ppm
Benzene	**3.630**	BDL	**0.001**	**3.740**	**0.001**	**0.001**	0.001
Toluene	**14.600**	BDL	**0.003**	**0.990**	**0.005**	BDL	0.001
Ethylbenzene	**3.240**	BDL	BDL	**1.370**	BDL	BDL	0.001
Xylenes, o,m,p	**14.600**	BDL	**0.012**	**5.130**	**0.005**	BDL	0.003
MTBE	**0.023**	**0.007**	**0.003**	**1.570**	BDL	BDL	0.001
Naphthalene						BDL	0.005

BDL = Below Detection Limit, Method
Detection Limit is Method Detection Limit
All results expressed as ppm (mg/L) of analyte
Samples preserved with HCL and refrigerated at 4 degrees C

MH / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety
Analytical Chemist

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	September 20, 2019
Attention:	Mr. Greg Hoagland	Reference #	41579
Address:	3433 Sierra Drive	P.O. #	LE22QS.05
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	water	Extraction Date:	9/17/19
Date Received:	9/13/19	Analyst:	Hageman/Heard
Date Collected:	9/12/19	Date of Analysis:	9/19/19
Sample Collector:	T. Bond/J. Johnson	Method:	***EPA Method 8270C***

POLYNUCLEAR AROMATIC HYDROCARBONS

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-7	
Polynuclear	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
Aromatics, ppm	207622	207623	207624	207625	207626	207627	Limit, ppm
Acenaphthene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Acenaphthylene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Benzo(a)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Benzo(b)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.0001
Benzo(k)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.0001
Benzo(ghi)perylene	BDL	BDL	BDL	BDL	BDL	BDL	0.0005
Benzo(a)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.0001
Chrysene	BDL	BDL	BDL	BDL	BDL	BDL	0.0005
Dibenzo(ah)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Fluorene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Indeno(1,2,3-cd)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Naphthalene	**0.003**	**0.814**	**0.862**	**0.067**	BDL	**0.003**	0.001
Phenanthrene	BDL	**0.001**	BDL	BDL	BDL	BDL	0.001
Pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.001

BDL = Below Detection Limit, Method
Detection Limit is Method Detection Limit
All results expressed as PPM (mg/L)

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	September 20, 2019
Attention:	Mr. Greg Hoagland	Reference #	41579
Address:	3433 Sierra Drive	P.O. #	LE22QS.05
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	water	Extraction Date:	9/17/19
Date Received:	9/13/19	Analyst:	Hageman/Heard
Date Collected:	9/12/19	Date of Analysis:	9/19-20/19
Sample Collector:	T. Bond/J. Johnson	Method:	***EPA Method 8270C***

POLYNUCLEAR AROMATIC HYDROCARBONS

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	MW-8	MW-9	MW-11	MW-12	MW-13	MW-14	
Polynuclear	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
Aromatics, ppm	207628	207629	207630	207631	207632	207633	Limit, ppm
Acenaphthene	BDL	**0.001**	BDL	BDL	BDL	BDL	0.001
Acenaphthylene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Benzo(a)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Benzo(b)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.0001
Benzo(k)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.0001
Benzo(ghi)perylene	BDL	BDL	BDL	BDL	BDL	BDL	0.0005
Benzo(a)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.0001
Chrysene	BDL	BDL	BDL	BDL	BDL	BDL	0.0005
Dibenzo(ah)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Fluorene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Indeno(1,2,3-cd)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Naphthalene	BDL	**2.260**	**0.005**	BDL	**0.916**	**0.016**	0.001
Phenanthrene	BDL	**0.002**	BDL	BDL	BDL	BDL	0.001
Pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.001

BDL = Below Detection Limit, Method
Detection Limit is Method Detection Limit
All results expressed as PPM (mg/L)

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Sphere 3 Engineering, Inc.	Report Date:	September 20, 2019
Attention:	Mr. Greg Hoagland	Reference #	41579
Address:	3433 Sierra Drive	P.O. #	LE22QS.05
	Hoover, AL 35216	Project ID:	Highway 22 Quick Stop

Sample Matrix:	water	Extraction Date:	9/17-18/19
Date Received:	9/13/19	Analyst:	Hageman/Heard
Date Collected:	9/12/19	Date of Analysis:	9/19/19
Sample Collector:	T. Bond/J. Johnson	Method:	***EPA Method 8270C***

POLYNUCLEAR AROMATIC HYDROCARBONS

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID		
	MW-15	MW-16	MW-17	MW-18	MW-DW1		
Polynuclear	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID		Detection
Aromatics, ppm	207634	207635	207636	207637	207638		Limit, ppm
Acenaphthene	BDL	BDL	BDL	BDL	BDL		0.001
Acenaphthylene	BDL	BDL	BDL	BDL	BDL		0.001
Anthracene	BDL	BDL	BDL	BDL	BDL		0.001
Benzo(a)anthracene	BDL	BDL	BDL	BDL	BDL		0.001
Benzo(b)fluoranthene	BDL	BDL	BDL	BDL	BDL		0.0001
Benzo(k)fluoranthene	BDL	BDL	BDL	BDL	BDL		0.0001
Benzo(ghi)perylene	BDL	BDL	BDL	BDL	BDL		0.0005
Benzo(a)pyrene	BDL	BDL	BDL	BDL	BDL		0.0001
Chrysene	BDL	BDL	BDL	BDL	BDL		0.0005
Dibenzo(ah)anthracene	BDL	BDL	BDL	BDL	BDL		0.001
Fluoranthene	BDL	BDL	BDL	BDL	BDL		0.001
Fluorene	BDL	BDL	BDL	BDL	BDL		0.001
Indeno(1,2,3-cd)pyrene	BDL	BDL	BDL	BDL	BDL		0.001
Naphthalene	**0.785**	BDL	**0.004**	**0.474**	BDL		0.001
Phenanthrene	BDL	BDL	BDL	BDL	BDL		0.001
Pyrene	BDL	BDL	BDL	BDL	BDL		0.001

BDL = Below Detection Limit, Method
Detection Limit is Method Detection Limit
All results expressed as PPM (mg/L)

MH / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety

Kevin Doriety
Analytical Chemist

Sutherland Environmental Read and Review Checklist

1. Is the client and the sample collector(s) accurately noted on report?	NO	YES	NO	YES
2. Do all dates match the COC on the report?	NO	YES	NO	YES
3. Is the purchase order ID (PO) and project ID accurately noted on report?	NO	YES	NO	YES
4. Are all methods and method references correct on report?	NO	YES	NO	YES
5. Do the Field ID(s) and the Lab ID(s) correspond to the COC?	NO	YES	NO	YES
6. Is the report formatted correctly?	NO	YES	NO	YES
7. Does the following information on report correspond to the printout information from the analytical instrumentation:				
Sample Matrix	NO	YES	NO	YES
Analyst	NO	YES	NO	YES
Analysis Date/Time	NO	YES	NO	YES
Analyte concentration	NO	YES	NO	YES
Units	NO	YES	NO	YES
Dilution Factors/Conversions	NO	YES	NO	YES
Detection/Reporting/Quant. Limits	NO	YES	NO	YES
QC Reviewed:		YES		YES

***Initial*:** MJH KD

* MJH = Michael Heard, KD = Kevin Doriety, MSH = Matt Hageman, KH = Kelly Hester

PDF: Hoagland, Hunter

Invoice # 41579

Notes: _____

Sutherland Environmental Co., Inc.

Sutherland Environmental Company Inc.

Sample Check-in Form

Date Received: 9/13/19 **Invoice #** 41579

Method of Delivery: hand **Client:** Sphere 3

1. Did any containers arrive broken?	YES	✓NO	
* If so, please state field ID with analysis of broken sample(s) _____			
2. Were cooler(s) sealed upon arrival?	✓YES	NO	NA
3. Were the samples received at the proper teamperature (4°C +/- 2°C)?	✓YES	NO	NA
4. Did a chain of custody accompany the samples?	✓YES	NO	
* Was it properly filled out?	✓YES	NO	
5. Were correct containers used for the analysis requested?	✓YES	NO	
6. Were all containers properly preserved?	✓YES	NO	NA
7. Were all water samples received at the proper pH?	✓YES	NO	NA
8. If VOA vials were present, was there any head space?	YES	✓NO	NA
* If so, please state field ID of deficient sample(s): _____			
9. Were all containers properly labeled and match chain of custody?	✓YES	NO	
10. Did containers arrive within holding time of analysis?	✓YES	NO	
* If not, please state field ID and analysis of sample(s) out of holding time: _____			
11. Was client informed of any/all deficiencies in sample check-in?	YES	NO	✓NA
12. Were any samples rejected?	YES	✓NO	
* If so, please state field ID of rejected sample(s): _____			

Sample Custodian (signed): M. Cam

41579

SUTHERLAND ENVIRONMENTAL COMPANY, INC.
2515 5th Avenue South
Birmingham, AL 35233
Phone: 205 581 9500
Fax: 205 581 9504

SPHERE 3 ENGINEERING, INC

Consultant Name: SPHERE 3 Engineering, Inc.
Address: 3433 Sierra Drive
City/State/Zip: Hoover, Alabama 35216
Client: Lalani Enterprises
Consultant Project Mgr: Greg Hoagland
Consultant Telephone Number: (205) 403.3317 **Fax No.:** (205) 403.3318
Sampler Name: (Print) Tres Bond, Jimmy Johnson
Sampler Signature:

Page #: Page 1 of 2
Invoice To: SPHERE 3 Engineering, Inc.
Report To: G.Hoagland/J.Hunter/mail original
Project #: LE22QS.05
UST Incident No.: UST18-11-01
Facility ID #: Highway 22 Quick Stop
Site Address: 4014 4th Avenue North
City, County, State: Clanton, Chilton County, Alabama

Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify): WATER	Analyze For: BTEX/MTBE 8260B	PAH 8270C	TEMPERATURE	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	.PDF Results (yes or no)	Due Date of Report
MW-1 207622	09/12/19	16:09	4	X					X					X	X						X	X			N	Y	
MW-2 207623	09/12/19	15:38	4	X					X					X	X						X	X			N	Y	
MW-3 207624	09/12/19	12:08	4	X					X					X	X						X	X			N	Y	
MW-4 207625	09/12/19	12:56	4	X					X					X	X						X	X			N	Y	
MW-5 207626	09/12/19	14:02	4	X					X					X	X						X	X			N	Y	
MW-7 207627	09/12/19	14:25	4	X					X					X	X						X	X			N	Y	
MW-8 207628	09/12/19	13:17	4	X					X					X	X						X	X			N	Y	
MW-9 207629	09/12/19	10:42	4	X					X					X	X						X	X			N	Y	
MW-11 207630	09/12/19	15:24	4	X					X					X	X						X	X			N	Y	
MW-12 207631	09/12/19	16:29	4	X					X					X	X						X	X			N	Y	

Comments/Special Instructions:

Laboratory Comments:
Temperature Upon Receipt: 2.4°
Sample Containers Intact? (Y) N
VOCs Free of Headspace? (Y) N

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please pre-schedule w/ SUTHERLAND Project Manager or attach specifc instructions

Relinquished by:	Date	Time	Received by:	Date	Time
	9/13/19	08:30			
Relinquished by:	Date	Time	Received by:	Date	Time
			M. Carr	9/13	8:30

41579

SUTHERLAND ENVIRONMENTAL COMPANY, INC.
2515 5th Avenue South
Birmingham, AL 35233
Phone: 205 581 9500
Fax: 205 581 9504

SPHERE 3 ENGINEERING, INC

Consultant Name: SPHERE 3 Engineering, Inc.
Address: 3433 Sierra Drive
City/State/Zip: Hoover, Alabama 35216
Client: Lalani Enterprises
Consultant Project Mgr: Greg Hoagland
Consultant Telephone Number: (205) 403.3317 **Fax No.:** (205) 403.3318
Sampler Name: (Print) Tres Bond, Jimmy Johnson
Sampler Signature:

Page #: Page 2 of 2
Invoice To: SPHERE 3 Engineering, Inc.
Report To: G.Hoagland/J.Hunter/mail original
Project #: LE22QS.05
UST Incident No.: UST18-11-01
Facility ID #: Highway 22 Quick Stop
Site Address: 4014 4th Avenue North
City, County, State: Clanton, Chilton County, Alabama

Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify): WATER	Analyze For: BTEX/MTBE 8260B	PAH 8270C	BTEX/MTBE/NAPHTHA 8260B	TEMPERATURE	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	PDF Results (yes or no)	Due Date of Report
MW-13 207632	09/12/19	14:48	4	X					X					X	X						X	X				N	Y	
MW-14 207633	09/12/19	11:01	4	X					X					X	X						X	X				N	Y	
MW-15 207634	09/12/19	11:33	4	X					X					X	X						X	X				N	Y	
MW-16 207635	09/12/19	9:10	4	X					X					X	X						X	X				N	Y	
MW-17 207636	09/12/19	9:31	4	X					X					X	X						X	X				N	Y	
MW-18 207637	09/12/19	9:53	4	X					X					X	X						X	X				N	Y	
MW-DW1 207638	09/12/19	12:23	4	X					X					X	X						X	X				N	Y	
DUP-1 207639	09/12/19		3	X					X					X	X								X			N	Y	
TEMPERATURE BLANK																				X				X		N	Y	

Comments/Special Instructions:

Laboratory Comments:
Temperature Upon Receipt: 2.4
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please pre-schedule w/ SUTHERLAND Project Manager or attach specifc instructions

Relinquished by:	Date	Time	Received by:	Date	Time
	9/13/19	03:50			
Relinquished by:	Date	Time	Received by:	Date	Time
			M. Carr	9/13	8:30

SPHERE 3
ENGINEERING, INC

HISTORICAL DISSOLVED COC ANALYTICAL SUMMARY HIGHWAY 22 QUICK STOP (UST18-11-01)							
MONITOR WELL	**DATE**	**BENZENE (mg/L)**	**TOLUENE (mg/L)**	**ETHYL-BENZENE (mg/L)**	**TOTAL XYLENES (mg/L)**	**MTBE (mg/L)**	**NAPH-THALENE (mg/L)**
MW-1	8/23/2018	0.161	0.008	0.008	0.090	0.172	0.015
	1/10/2019	**0.460**	0.049	0.012	0.190	0.380	0.053
	6/12/2019	**0.600**	0.039	0.083	0.429	0.035	0.010
	9/12/2019	0.126	0.005	0.009	0.052	0.028	0.003
SSTLs GRP		*0.392*	*78.300*	*54.800*	*175.000*	*1.570*	*1.570*
MW-2	8/23/2018	**7.120**	26.200	2.980	16.800	**25.600**	0.626
	DUP-1	***7.240***	*27.600*	*3.010*	*17.500*	***24.700***	*0.753*
	1/10/2019	**12.100**	47.200	5.800	33.300	**17.100**	0.614
	6/12/2019	**12.300**	43.800	6.760	37.800	**17.500**	0.532
	9/12/2019	**8.120**	25.400	3.690	20.800	**14.800**	0.814
SSTLs GRP		*0.392*	*78.300*	*54.800*	*175.000*	*1.570*	*1.570*
MW-3*	8/23/2018	**6.000**	36.700	3.860	21.700	0.436	0.703
	1/10/2019	**12.200**	63.600	7.840	40.800	1.350	0.508
	6/12/2019	**14.500**	66.800	9.300	48.900	**1.960**	0.537
	9/12/2019	**6.220**	37.200	4.900	25.400	0.070	0.862
SSTLs GRP		*0.392*	*78.300*	*54.800*	*175.000*	*1.570*	*1.570*
MW-4	8/23/2018	0.018	0.092	0.173	0.971	<0.001	0.040
	1/10/2019	0.213	0.150	0.732	2.300	0.005	0.238
	6/12/2019	0.181	0.100	0.473	1.290	0.004	0.193
	9/12/2019	0.027	0.031	0.072	0.441	<0.001	0.067
SSTLs GRP		*0.392*	*78.300*	*54.800*	*175.000*	*1.570*	*1.570*
MW-5	1/10/2019	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001
	6/12/2019	<0.001	<0.001	<0.001	0.003	<0.001	<0.001
	9/12/2019	<0.001	0.001	<0.001	0.003	<0.001	<0.001
SSTLs GRP		*0.197*	*39.500*	*27.600*	*175.000*	*0.789*	*0.789*
MW-6	1/10/2019	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001
	6/12/2019	<0.001	0.001	<0.001	0.005	<0.001	<0.001
SSTLs GRP		*0.193*	*38.700*	*27.100*	*175.000*	*0.774*	*0.774*
MW-7	1/10/2019	<0.001	<0.001	<0.001	<0.003	<0.001	0.002
	6/12/2019	<0.001	0.009	0.007	0.041	<0.001	0.031
	9/12/2019	<0.001	<0.001	<0.001	0.003	<0.001	0.003
SSTLs GRP		*0.298*	*59.600*	*41.700*	*175.000*	*1.190*	*1.190*
MW-8	1/10/2019	<0.001	<0.001	<0.001	<0.003	0.009	<0.001
	DUP-1	*<0.001*	*<0.001*	*<0.001*	*<0.003*	*0.010*	*<0.005*
	6/12/2019	0.007	0.004	0.020	0.016	<0.001	0.034
	9/12/2019	0.002	<0.001	<0.001	0.003	<0.001	<0.001
	DUP-1	*0.001*	*<0.001*	*<0.001*	*0.003*	*<0.001*	*<0.005*
SSTLs GRP		*0.392*	*78.300*	*54.800*	*175.000*	*1.570*	*1.570*
MW-9	1/10/2019	**2.460**	13.400	6.700	36.100	0.051	0.567
	6/12/2019	**2.010**	12.000	7.240	35.200	0.064	0.671
	9/12/2019	**2.720**	29.400	14.700	60.400	0.015	**2.260**
SSTLs GRP		*0.390*	*78.000*	*54.600*	*175.000*	*1.560*	*1.560*
MW-10	1/10/2019	**Not sampled – 0.07 feet of free product**					
	6/12/2019	**Not sampled – 2.08 feet of free product**					
	9/12/2019	**Not sampled – 1.68 feet of free product**					
SSTLs GRP		*0.390*	*78.000*	*54.600*	*175.000*	*1.560*	*1.560*
MW-11	1/10/2019	0.184	0.131	0.023	0.195	0.318	0.018
	6/12/2019	**0.464**	0.084	0.061	0.473	0.044	0.011
	DUP-1	***0.467***	*0.099*	*0.058*	*0.462*	*0.041*	*0.015*
	9/12/2019	0.046	0.088	0.016	0.093	0.017	0.005
SSTLs GRP		*0.390*	*78.000*	*54.600*	*175.000*	*1.560*	*1.560*
MW-12	1/10/2019	0.009	0.052	0.009	0.051	<0.001	0.003
	6/12/2019	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001
	9/12/2019	0.001	<0.001	<0.001	0.004	<0.001	<0.001
SSTLs GRP		*0.380*	*76.000*	*53.200*	*175.000*	*1.520*	*1.520*

HISTORICAL DISSOLVED COC ANALYTICAL SUMMARY (Concluded) HIGHWAY 22 QUICK STOP (UST18-11-01)							
MONITOR WELL	**DATE**	**BENZENE (mg/L)**	**TOLUENE (mg/L)**	**ETHYL-BENZENE (mg/L)**	**TOTAL XYLENES (mg/L)**	**MTBE (mg/L)**	**NAPH-THALENE (mg/L)**
MW-13	1/10/2019	**8.960**	36.300	4.890	27.800	**6.270**	0.416
	6/12/2019	**13.700**	57.200	8.940	46.600	**16.700**	0.435
	9/12/2019	**7.360**	40.600	7.260	36.800	**4.080**	0.916
SSTLs GRP		*0.392*	*78.300*	*54.800*	*175.000*	*1.570*	*1.570*
MW-14	6/12/2019	0.002	0.015	0.002	0.013	<0.001	0.003
	9/12/2019	0.018	0.005	0.005	0.010	0.001	0.016
SSTLs GRP		*0.256*	*51.200*	*35.800*	*175.000*	*1.020*	*1.020*
MW-15	6/12/2019	0.003	0.006	0.002	0.007	0.001	0.005
	9/12/2019	**3.630**	14.600	3.240	14.600	0.023	0.785
SSTLs GRP		*0.236*	*47.200*	*33.100*	*175.000*	*0.945*	*0.945*
MW-16	6/12/2019	0.001	0.004	<0.001	0.004	0.004	0.003
	9/12/2019	<0.001	<0.001	<0.001	<0.003	0.007	<0.001
SSTLs GRP		*0.0947*	*18.900*	*13.300*	*175.000*	*0.379*	*0.379*
MW-17	6/12/2019	0.001	0.011	0.070	0.322	0.008	0.011
	9/12/2019	0.001	0.003	<0.001	0.012	0.003	0.004
SSTLs GRP		*0.172*	*34.400*	*24.100*	*175.000*	*0.688*	*0.688*
MW-18	6/12/2019	**1.200**	2.480	0.436	2.260	**0.654**	0.141
	9/12/2019	**3.740**	0.990	1.370	5.130	**1.570**	0.474
SSTLs GRP		*0.156*	*31.300*	*21.900*	*175.000*	*0.625*	*0.625*
MW-DW1	1/10/2019	0.006	0.055	0.015	0.075	<0.001	0.001
	6/12/2019	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001
	9/12/2019	0.001	0.005	<0.001	0.005	<0.001	<0.001
SSTLs GRP		*0.392*	*78.300*	*54.800*	*175.000*	*1.570*	*1.570*

Note:

mg/L – milligrams per liter
SSTLs GRP – Site Specific Target Levels protective of the Groundwater Resource Protection area
Concentrations highlighted in **bold** type exceed applicable SSTLs.
* - source well