APPENDIX E: BASELINE ENVIRONMENTAL ASSESSMENT REPORT



August 25, 2015

Roger and Beth Sperring 601 California Drive, Burlingame, CA 94010

Re:

Baseline Environmental Assessment Report

601 California Drive Burlingame, California 94010

Dear Mr. and Ms. Sperring:

On behalf of property owners Roger and Beth Sperring, Pangea Environmental Services, Inc. (Pangea) has prepared this *Baseline Environmental Assessment Report* (report) for the subject site. This baseline assessment was completed to evaluate site conditions near the USTs, dispensers, and waste oil tank for a prospective property transaction.

If you have any questions or comments, please call me at (510) 435-8664 or email briddell@pangeaenv.com.

Sincerely,

Pangea Environmental Services, Inc.

Bob Clark-Riddell, P.E.

Principal Engineer

Attachment: Baseline Environmental Assessment Report

Baseline Environmental Assessment Report 601 California Drive Burlingame, California August 25, 2015

INTRODUCTION

On behalf of Roger and Beth Sperring, Pangea Environmental Services, Inc. (Pangea) has prepared this *Baseline Environmental Assessment Report* (report) for the subject site. The assessment was completed to evaluate site conditions near the USTs, dispensers, and former waste oil tank for a prospective property transaction.

SITE BACKGROUND

The subject site is a Valero-branded retail gasoline service station with automotive repair (Figure 1). The site consists of a 10,500-square ft building, canopy, fuel facilities, and landscaping. There are several fuel underground storage tanks (USTs) and one waste oil UST. The site is mostly paved. Land use surrounding the site is mixed commercial and residential.

SUBSURFACE ASSESSMENT PROCEDURES

Subsurface site assessment involved soil and/or groundwater sampling at four locations on August 7, 2015. Boring locations are shown on Figure 1. The sampling locations were selected to provide data near the fuel USTs, dispensers, and waste oil UST. Boring SB-1 was located east of the fuel USTs and dispensers, in the presumed downgradient direction. (The presumed groundwater flow direction is east to northeast). Boring SB-2 was located southwest of the fuel USTs and dispensers, in the presumed upgradient direction. Boring SB-3 was located northwest of the dispensers. Boring SB-4 was located near the waste oil tank.

Pre-Drilling Activities

A comprehensive site safety plan was prepared to protect site workers and the plan was kept onsite during all field activities. A drilling permit was obtained from San Mateo County Environmental Health. A copy of the permit is presented in Appendix A. The proposed drilling locations were marked and Underground Service Alert was notified at least 48 hours before the proposed field activities.

Drilling Procedures

On August 7, 2015, Pangea coordinated the drilling of the four soil borings (SB-1 through SB-4) at the site (Figure 1). Pangea retained Penecore Drilling (Penecore) of Woodland, California, to drill the borings. Penecore conducted the associated soil and groundwater sampling using a Geoprobe 7822DT combination auger/direct push rig equipped with dual tube sampling equipment. Dual-tube direct-push drilling methods employ an outer tube to help avoid cross contamination within the inner sampling tube.

Baseline Environmental Assessment Report 601 California Drive Burlingame, California August 25, 2015

SITE ASSESSMENT RESULTS

Site Geology and Hydrogeology

Based on soil logging during drilling, soil from site borings consisted primarily of gravel and/or clay/silt/silty sand to a depth of approximately 12 to 13 ft below grade surface (bgs), underlain by more permeable silty sand or sandy silt with gravel observed to a depth of approximately 30 ft bgs. Wet soil (possible groundwater) and a permeable layer of gravelly sandy silt was encountered in boring SB-3 at approximately 23 to 26 ft bgs. Boring SB-2 did not produce water. Soil characteristics are described on the borings logs included in Appendix C. Based on surface topography and nearby site data, the presumed groundwater flow direction is east to northeast.

Soil Analytical Results

Soil analytical results are summarized on Table 1. The only petroleum hydrocarbons detected in soil was TPH as gasoline (TPHg) from samples SB-1-5 [10 milligrams per kilogram (mg/kg)] and SB-2-13 (130 mg/kg). These concentrations are below Environmental Screening Levels (ESLs) for commercial site use established by the San Francisco Bay Regional Water Quality Control Board. All other petroleum hydrocarbons, fuel oxygenates, or other volatile organic compounds (VOCs) were below detection limits in analyzed soil samples. Analytical results are summarized on Figure 2. The laboratory analytical report is included in Appendix D.

Grab Groundwater Analytical Results

Groundwater analytical results are summarized on Table 2. All hydrocarbons in groundwater are below conservative ESLs, except for one TPHg concentration (290 ug/L, SB-1) that slightly exceeds the conservative 100 ug/L ESL. No TPHg was detected in water from borings SB-3 and SB-4. The naphthalene concentration of 1.6 ug/L detected in boring SB-1 is below the ESL of 6.1 ug/L. The only dissolved metal detected in groundwater from SB-4 was barium at a concentration of 73 µg/L. The ESL for barium in groundwater that is a current or potential drinking water resource is 1,000 µg/L. The detected barium likely represent background groundwater conditions. From the SVOC analysis of groundwater from boring SB-4 near the waste oil tank, bis(2-ethylhexyl)phthalate and di-n-butyl phthalate were detected at concentrations of 17 µg/L and 6.3 µg/L, respectively. Since both of these chemicals are primarily used as plasticizers to soften plastic, Pangea suspects these reported results are due to field or laboratory factors and therefore not likely representative of groundwater conditions. The detected bis(2-ethylhexyl)phthalate concentration is slightly above the ESL of 4.0 µg/L for groundwater that is a current or potential drinking water resource. There is no ESL for di-n-butyl phthalate Analytical results are summarized on Figure 2. The laboratory analytical report is included in Appendix D.



Boring Location Map

601 California Drive Burlingame, California

Pangea

Table 1. Soil Analytical Data - 601 California Drive, Burlingame, California

			SHAI	Benzene	Toluene	SUDZIDOJI KOJE	\$5HONES	BAIN	\$5,500	Notes
Commercial ESI	Commercial ESL for shallow soil non-dw (<3 m bgs):	(<3 m bgs):	200	1.2	9.3	4.7	11	8.4	Varies	
Commercial ESI	Commercial ESL for deep soil non-dw (>3 m bgs):	3 m bgs):	1,800	1.2	9.3	4.7	11	8.4	Varies	
		٠	1			- mg/Kg -			1	
Boring/ Sample ID	Date Sampled	Sample Depth (ft bgs)								
Mary Brande	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	* 14. T. 14. 15. 15. 15. 15. 15. 15. 15. 15. 15. 15	15							
SB-1-5	8/7/2015	5.0	10	<0.005	<0.005	<0.005	<0.015	<0.020	<0.050	
SB-2-13	8/7/2015	13.0	130	<0.005	<0.005	<0.005	<0.015	<0.020	<0.050	
SB-4-10	8/7/2015	10.0	<0.5	<0.005	<0.005	<0.005	<0.015	<0.020	<0.050	
which was a series of the second seco	and the state of t	Last A.								

xplanation:

Benzene, Toluene, Ethylbenzene and Xylenes by EPA Method 8260.

TPHg = Total Petroleum Hydrocarbons as gasoline by EPA Method 8015.

MTBE = Methyl tertiary butyl ether by EPA Method 8021B or 8260B.

Oxys = Fuel oxygenates tert-amyl methyl ether, tert-butyl alcohol, di-isopropyl ether, and ethyl tert-butyl ether.

LUFT 5 Metals = Cadmium, chromium, lead, nickel, and zine by EPA Method 6010B.

mg/Kg = milligrams per Kilogram.

m bgs = Depth below ground surface (bgs) in meters.

ft bgs = Depth below ground surface (bgs) in feet.

< n = Chemical not present at a concentration in excess of detection limit shown.

-- = Not analyzed

ND = Concentrations not detected above laboratory reporting limits.

Varies = Concentrations or concentrations detections vary.

ESL established by the SFBRWQCB, Interim Final - February 2005 and amended in February 2013.

ESL = Environmental Screening Level for Shallow/Deep Soil with Residential and Commercial/Industrial Land Use, Groundwater is/is not a current or potential source of drinking water. (Table A/Table B/Table C/Table D).

ESL established by the SFBKWQCB, Interim Final - February 2003 and amended in February 2013.

Bold = Concentration above ESLs for Residential Land Use, groundwater is a current or potential source of drinking water

non-dw = groundwater is not a current or potential source of drinking water.

dw = groundwater is a current or potential source of drinking water.

APPENDIX A

Permit

2015 SUBSURFACE DRILLING PERMIT APPLICATION - REVISED AUGUST 1

ENVIRONMENTAL HEALTH SERVICES DIVISION

AUG.

AUG. 2000 ALAMEDA DE LAS PULGAS, SUITE 100, SAN MATEO, CA 94403 VOICE (650) 372-6200 FAX (650) 627-8244 WWW.SMCHEALTH.ORG

AUG 4 2015

REVISED FEES (8/1/15): ALLOW 3 FULL WORKING DAY	S FOR PROCESSING PERMIT, DRILLING START DATE & TIME MUST
\$629.00 (env. borings or any wells) BE SCHEDULED WITH COUNT	TY STAFF OR AT drilling@smcgov.org AT LEAST 2 FULL WORKING
\$393.00 (geotechnical borings only) DAYS IN ADVANCE BUT AT	LEAST 1 FULL WORKING DAY AFTER APPLICATION SUBMITTAL
Groundwater Monitoring/Vapor Well Destruction	
APPLICATION No. of Wells No. of Borings 4	Well/Boring Names B-1 thru B-4
DRILLING Geotechnical AGENCY RWQC	GPP (permit approval is not to be considered work plan approval) B/DTSC/USEPA (Provide approval letter) None (i.e. voluntary)
SITE/ DRILLING INFORMATION	
Agency Case # Assessor's Pa	rcel # (Required) 029131380 (one per permit)
Drilling Location Address 601 California Dr.	City Burlingame Zip 94010
To Be Constructed In: Public Property Private Property	Refuse
Maximum Proposed Depth (wells/borings) 25 (feet)	Drilling Method Direct push
Boring Diameter 2.25" Casing Diameter	Filter Pack Interval Screen Interval Screen Interval
Destruction Method(6 gallons water max/94 lb cement, up to 5% bentonite	- 1 Overdrining (guide rous for total depart prior to starting required)
WELL/BORING OWNER	(Well/boring owner name or contact person should match signature)
Name Severem, LLC	Contact Person Dean Najdawi
Address 505 Skyline Dr.	City, State, Zip Daly City, CA 94015
Telephone 415-515-6874	Email mdn2inc@yahoo.com
It is my responsibility to notify the County of any known changes in the pu	
to submit indication of annual usage of wells to the County, and to mainta	
person, containing above language and attesting to knowledge of all pern	
Well/Boring Owner's/Contact Person's Signature:	Date:
PROPERTY OWNER	(Name as appears on assessor's roles should match signature)
Name Roger and Beth Sperring	Contact Person Beth Sperring
Address 873 Woodside Way	City, State, Zip San Mateo, CA 94401
Telephone 650-576-4455	Email bsperring@sbcglobal.net
I understand that a well/boring is being installed on my property. I agree to access issues to the well (Letter signed by property owner, containing about Property Owner's Signature:	
DRILLING COMPANY	
Drilling Company Penecore Drilling	Contact Person Tuan Nguyen
Address 220 N. East Street	City, State, Zip Woodland, CA, USA 95776
Telephone 530-661-3600 Email tuan@penecore.co	
I certify that the well/boring will be constructed in compliance with the cond and the State Water Well Standards, and that the license listed above is c Driller's Signature:	ditions of this permit (see reverse), the San Mateo County Well Ordinance,
CONSULTANT COMPANY	
Consultant Company Pangea Environmental Services	Project Manager Elizabeth Avery
Address 1710 Franklin St. #200	Telephone 510-836-3700
City, State, Zip Oakland, CA 94612	Email eavery@pangeaenv.com
Field Contact and Cell # (if known) Erik Lervaag 925-822-6749	A CHARLEST OF STREET SECTION OF TAXABLE STREET
I certify that this application is correct to the best of my knowledge and the	
conditions of this permit (see reverse), the San Mateo County Well Ordina	
responsible for General Conditions "D and E" of this permit and if I indicat to collect any samples for environmental analyses. If there is a change in	Responsible Professional, I will notify San Mateo County GPP staff.
Responsible Professional's Name (Please print legibly) Bob Clark-Ridde	
Responsible Professional's Signature Set effective	Date: 08/03/2015
California Professional Geologist (PG) No.	or Civil Engineer (PE) No. 049629

Please see additional pages of application for requirements, general permit conditions, instructions, and fees.

Revised every January 1

2015 SUBSURFACE DRILLING PERMIT APPLICATION - REVISED AUGUST 1

SAN MATEO COUNTY ENVIRONMENTAL HEALTH SERVICES DIVISION 2000 ALAMEDA DE LAS PULGAS, SUITE 100, SAN MATEO, CA 94403 VOICE (650) 372-6200 FAX (650) 627-8244 WWW.SMCHEALTH.ORG

	orings or any wells) B	SCHEDULE	D WITH COUN	TY STAFF OR A	T drilling@smcg		DATE & TIME MUST 2 FULL WORKING ION SUBMITTAL
PURPOSE OF APPLICATION	Groundwater Monitor Groundwater Monitor No. of Wells	ing/Vapor We	I Installation	Construct So Extension of	Borings (variance	e request if to be let	THE RESERVE OF THE PARTY OF THE
PURPOSE OF DRILLING	Environmental Geotechnical	LEAD AGENCY	County RWQ	y GPP (permit ap	proval is not to be	considered work pl	an approval)
SITE/ DRILLING	SINFORMATION						
Agency Case #	and the same of the same of		Assessor's P	arcel # (Required) 029131380		(one per permit
Drilling Location	Address 601 California Dr.		404/01/4		City Burlinga	ime	Zip 94010
To Be Construct Maximum Propo	ted In: Public Property	⊠ Priva 25	te Property (feet	Refuse Orilling Metho	od Direct push		
Boring Diameter	2.25" Casing	Diameter		Filter Pack Inter		Screen Interval	
	od(6 gallons water max/94	Ib cement, up	o to 5% bentoni	te): Coverdrill	ing (guide rods for	total depth prior to	
WELL/BORING		ELLER MERCHAN	after could be	THE RESIDENCE OF THE PERSON NAMED IN COLUMN TWO		ntact person shou	ld match signature
Name Severem,					n Dean Najdawi		
	Skyline Dr.	er jaikter ja	shern lessio		Daly City, CA 9401	15	
	5-515-6874 bility to notify the County of			Email mdn2in			
Well/Boring Ow PROPERTY OW	ner's/Contact Person's S NER	ignature: (700	(Name as	Date:	8/3/13	d match signature
Name Roger and	Beth Sperring			Contact Person	n Beth Sperring		
Address 873 W				City, State, Zip	San Mateo, CA 9	94401	
Telephone 65					ng@sbcglobal.net		
	a well/boring is being instr the well (Letter signed by p 's Signature:						
DRILLING COMP	PANY						
Drilling Company	Penecore Drilling			Contact Person	Tuan Nguyen	6.45	
Address 220 N. I				City, State, Zip	Woodland, CA, U	JSA 95776	
Telephone 5		Email	tuan@penecore.c	com		lers License # 906	
	ell/boring will be construct ter Well Standards, and there:						
CONSULTANT C	OMPANY						16-1 200 15
	pany Pangea Environmental	Services			er Elizabeth Avery		WEST WEIGH
Address 1710 Fra	CONTRACTOR OF THE PARTY OF THE			Telephone 510	7.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2		
	Dakland, CA 94612	00F 000 A	740	Email eavery@	pangeaenv.com		
certify that this a conditions of this esponsible for G o collect any san	I Cell # (if known) Erik Lery application is correct to the permit (see reverse), the S teneral Conditions "D and I apples for environmental an ofessional's Name (Pleas	best of my kn an Mateo Co E* of this pem alyses. If ther	owledge and th unty Well Ordin nit and if I indica e is a change in	ance, and the Sta sled the purpose a Responsible Pro	ate Water Well Sta of drilling is geoted	ndards. I understan	d that I am will use the boring
	ofessional's Signature					Date:	
	ssional Geologist (PG) N	D.		or C	ivil Engineer (PE	No. 049629	teriff mercel that we re-

Page 2 of 4 2015 SUBSURFACE DRILLING PERMIT APPLICATION - REVISED AUGUST 1

REQUIREMENTS:

An accurate and correct map **must** be submitted with the application and include the following: north arrow, existing and historic site features, existing and proposed well/boring locations to scale, property lines and any other pertinent information. A work plan describing the drilling and construction/destruction methodology may be requested by County staff. Upon review of information on this application, and subject to approval noted below, a permit will be issued allowing the well/boring owner, driller, and responsible professional to perform the specified work. The permit is subject to both General and Special Conditions stated below. A copy of the approved Subsurface Drilling Permit **must** be available on site while work related to the permit is being performed. Drilling may begin at the notified date and time whether County staff is present or not.

GENERAL CONDITIONS:

- A. Field notification must be provided to GPP drilling inspection staff at least 2 full days prior to the start of drilling,
- B. Well and boring construction and destruction under this permit is subject to the Standards for the Construction of Wells in San Mateo County, County Groundwater Protection Program (GPP) Guidelines, Policies & Procedures, the State Water Well Standards, and any instructions by a Health Department representative.
- C. Well/Boring Owner, Driller, and Responsible Professional assume responsibility for all activities and uses under the permit, including compliance with Workmen's Compensation Laws, and indemnify, defend and save the County of San Mateo, its officers, agents and employees, free and harmless from any and all expense, cost, or liability in connection with or resulting from work or stopped-work associated with the permit, including, but not limited to, property damage, personal injury, wrongful death, and loss of income.
- D. All borings **must** be properly destroyed (grouted/sealed) within 24 hours of drilling, unless special conditions are approved in writing as part of this permit, and must be continuously protected and stabilized. Temporary soil vapor wells may remain in place up to 7 days with just an additional notification for removal. Provide final grout volumes for destructions.
- E. Analytical results of all soil, vapor, and groundwater samples collected during the execution of drilling under this permit must be submitted to County GPP staff by the Responsible Professional within 60 days of sample collection. If contamination is discovered during drilling, verbal notification to County GPP by the Responsible Professional is required within 72 hours of discovery. Proper storage, labeling & disposal of investigation-derived residual wastes are the responsibility of the consultant unless stated otherwise contractually. Provide justification for >10% difference between calculated versus actual grout used.
- F. A copy of the State DWR Form 188, boring logs, well construction details, and finalized as-built locations for all borings/ wells (except geotechnical borings) signed by a Responsible Professional, must be submitted to County GPP by the Responsible Professional within 60 days of drilling/construction/destruction.
- G. Permit is valid only for the purpose specified herein. No change in purpose or required procedures, as described on this permit application, in the associated workplan, or in the special conditions below, will be allowed except upon written permission from the County. Construction aspects can be changed based on conditions encountered in the field.
- H. Permit is valid for one mobilization associated with originally permitted boring/well locations only, including contingency locations, and is automatically canceled if not exercised, or if an extension is not applied for and granted within 120 days of the original permit issuance date. Failure to notify staff of cancellation or delay in start time will result in the Consultant being billed an Inspection Cancellation fee of \$264 for 2015 if GPP staff attempted to perform an inspection.
- I. Wells installed under this permit may not be used for domestic, municipal, agricultural, or irrigation water supply.
- J. All work performed must conform to Business and Profession Codes and State Water Well Standards.
- K. Top-of-casing elevation of all wells **must** be surveyed to the nearest 0.01-foot relative to Mean Sea Level or NAVD88 and submitted to County GPP within 60 days of drilling, and to State GeoTracker as appropriate. Geotechnical wells are exempt from this requirement if a written variance from GPP is obtained prior to drilling.
- L. Latitude and longitude of all wells **must** be surveyed with sub-meter accuracy relative to NAD83 and submitted to County GPP within 60 days of drilling, and to State GeoTracker as appropriate.
- M. Violation of any requirement or general or special permit condition may result in an order by GPP staff to cease work under this permit, correct the violation, potentially re-permit the work as a new mobilization, and potential actions may be taken against the Well Owner, Property Owner, or Responsible Professional by GPP.

SPECIAL CONDITIONS:(agency use only)				
or many way				3
	o y selection of the se			
For Agency Use Only That S	Ju	FA#	Date: Aya, 4, 2	015
Revised every January 1				

APPENDIX B

Standard Operating Procedures

Field Screening

Soil samples collected during drilling will be analyzed in the field for ionizable organic compounds using a photo-ionization detector (PID) with a 10.2 eV lamp. The screening procedure will involve placing an undisturbed soil sample in a sealed container (either a zip-lock bag, glass jar, or a capped soil tube). The container will be set aside, preferably in the sun or warm location. After approximately fifteen minutes, the head space within the container will be tested for total organic vapor, measured in parts per million on a volume to volume basis (ppmv) by the PID. The PID instrument will be calibrated prior to boring using hexane or isobutylene. PID measurements are used along with the field observations, odors, stratigraphy and ground water depth to select soil samples for analysis.

Water Sampling

Water samples collected from borings are either collected from the open borehole, from within screened PVC inserted into the borehole, or from a driven Hydropunch-type sampler. Groundwater is typically extracted using a bailer, check valve and/or a peristaltic pump. The ground water samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4°C, and transported under chain-of-custody to the laboratory.

Pangea often performs electrical conductivity (EC) logging and/or continuous coring to identify potential water-bearing zones. Hydropunch-type sampling is then performed to provide discrete-depth grab groundwater sampling within potential water-bearing zones for vertical contaminant delineation. Hydropunch-type sampling typically involves driving a cylindrical sheath of hardened steel with an expendable drive point to the desired depth within undisturbed soil. The sheath is retracted to expose a stainless steel or PVC screen that is sealed inside the sheath with Neoprene O-rings to prevent infiltration of formation fluids until the desired depth is attained. The groundwater is extracted using tubing inserted down the center of the rods into the screened sampler.

Duplicates and Blanks

Blind duplicate water samples are collected usually collected only for monitoring well sampling programs, at a rate of one blind sample for every 10 wells sampled. Laboratory-supplied trip blanks accompany samples collected for all sampling programs to check for cross-contamination caused by sample handling and transport. These trip blanks are analyzed if the internal laboratory QA/QC blanks contain the suspected field contaminants. An equipment blank may also be analyzed if non-dedicated sampling equipment is used.

Grouting

If the borings are not completed as wells, the borings are filled to the ground surface with cement grout poured or pumped through a tremie pipe.

Waste Handling and Disposal

Soil cuttings from drilling activities are usually stockpiled onsite on top of and covered by plastic sheeting. At least four individual soil samples are collected from the stockpiles for later compositing at the analytic laboratory. The composite sample is analyzed for the same constituents analyzed in the borehole samples. Soil cuttings are transported by licensed waste haulers and disposed in secure, licensed facilities based on the composite analytic results.

Ground water removed during sampling and/or rinsate generated during decontamination procedures are stored onsite in sealed 55 gallon drums. Each drum is labeled with the drum number, date of generation, suspected contents, generator identification and consultant contact. Disposal of the water is based on the analytic results for the well samples. The water is either pumped out using a vacuum truck for transport to a licensed waste treatment/disposal facility or the individual drums are picked up and transported to the waste facility where the drum contents are removed and appropriately disposed.



BH COPY BLANK (2).GPJ GINT US.GDT 4/24/09

Pangea Environmental Services, Inc.

BORING NUMBERS8

1710 Franklin Street, Suite 200 Oakland, CA 94612 Telephone: 510-836-3700 Fax: 510-836-3709 CLIENT PROJECT NAME __ PROJECT LOCATION 601 California Drive **PROJECT NUMBER** COMPLETED 8/7/15 DATE STARTED \$ 17/15 COMP DRILLING CONTRACTOR PENECOTE HOLE SIZE 2. 25 " GROUND ELEVATION **GROUND WATER LEVELS:** DRILLING METHOD direct push AT TIME OF DRILLING ---LOGGED BY EL. auger to 5' bgs AT END OF DRILLING _---NOTES hand AFTER DRILLING ---PID (ppm) U.S.C.S. MATERIAL DESCRIPTION **BORING DIAGRAM** (0-5') clay (CL); dark gray to gray; 10 (5'-10') clay (CL); gray; slight odor (10'-14.5') clay with gravel (CL), gray; slight odor 15 (14.5'-17') silt (ML); light brown



Pangea Environmental Services, Inc. 1710 Franklin Street, Suite 200

BORING NUMBER 38- 2

TE ST ILLIN ILLIN GGEI	T NUMBER TARTED 8 G CONTRAC G METHOD D BY EL	for!		nec.	PROJECT NAME PROJECT LOCATION 60 COMPLETED 8/7/15 GROUND ELEVATION GROUND WATER LEVELS: AT TIME OF DRILLING TO 5' bg3 AFTER DRILLING	HC : IG G	DLE SIZE 2.2	
(ft bgs)	SAMPLE TYPE NUMBER	PID (ppm)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	1	BORING	DIAGRAM
5								
			to a		(0-11') Silty Sand with grave light brown	1 (SM),		
					(11'-13') silt with gravel (M moderate odor	L); gra	3;	
					(13'-18') silt (ML); light	9		

PANGEA

Pangea Environmental Services, Inc. 1710 Franklin Street, Suite 200

BORING NUMBER SE-

ATE ST	T NUMBER	TOR	119 Pen	ne Co	COMPLETED 8/7/15	PROJECT NAME PROJECT LOCATION GROUND ELEVATION GROUND WATER LEVELS:	НО	nic Drive LESIZE 2.25"
OGGE	g METHOD DBY EL hand				CHECKED BY BCR	AT TIME OF DRILLING AFTER DRILLING) <u></u>	
O (ff bgs)	SAMPLE TYPE NUMBER	PID (ppm)	U.S.C.S.	GRAPHIC LOG	MAT	FERIAL DESCRIPTION		BORING DIAGRAM
}					(0-3') gravel	with sand ((GP)	
5								
		1			(3'-7') silt (7'-8') gravelly	inc); light br	own ray	
0		÷.						3.6
					(8'-12.5') SiH	(ML); gray		
15				Annual designation of the state	(12.5'-15') sil	ty Sand (SM); I	ight gra	y



Pangea Environmental Services, Inc. 1710 Franklin Street, Suite 200 Oakland, CA 94612

BORING NUMBER SB- 4

ATE ST	G CONTRACT G METHOD DBY EL	TOR	Per	reco	GROUND GROUND GROUND AT CHECKED BY BCR AT	LOCATION 60 ELEVATION WATER LEVELS: TIME OF DRILLING END OF DRILLING	НС	DLE SIZE _	2.25"
(ft bgs)	SAMPLE TYPE NUMBER	PID (ppm)	U.S.C.S.	GRAPHIC LOG	MATERIAL DES	CRIPTION		во	RING DIAGRAM
1									
5					(0-7') sandy silt	(ML); ligh	t brow	vn	
<u> </u>									
-					(7-12') sandy silt with light brown; (12'-14') silty sand (
		7.2	Name of the contract of the co						

APPENDIX D

Laboratory Analytical Reports



Pangea Environmental Services, Inc.

1710 Franklin Street, Suite 200

Oakland CA, 94612

Project: 601 California, Burlingame

Project Number: [none]

Project Manager: Morgan Gillies

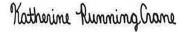
Reported:

08/24/15 17:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-1-5	T151943-02	Soil	08/07/15 11:40	08/11/15 10:50
SB-2-13	T151943-10	Soil	08/07/15 14:45	08/11/15 10:50
SB-4-10	T151943-22	Soil	08/07/15 09:15	08/11/15 10:50
SB-1W	T151943-27	Water	08/07/15 17:00	08/11/15 10:50
SB-3W	T151943-28	Water	08/07/15 11:00	08/11/15 10:50
SB-4W	T151943-29	Water	08/07/15 11:00	08/11/15 10:50

SunStar Laboratories, Inc.





Pangea Environmental Services, Inc.

Project: 601 California, Burlingame

1710 Franklin Street, Suite 200

Project Number: [none]

Reported:

Oakland CA, 94612

Project Manager: Morgan Gillies

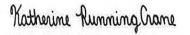
08/24/15 17:30

Sample ID:	SB-1W	Labo	ratory ID:	T151943-27		
STILLIAN HARMAN AND S		 	Reporting		3 N. B. S. S. S.	
Analyte		Result	Limit	Units	Method	Notes
Ethylbenze	ene	0.50	0.50	ug/l	EPA 8260B	
m,p-Xylen	e	1.0	1.0	ug/l	EPA 8260B	
C6-C12 (G	RO)	290	50	ug/l	EPA 8260B	
Sample ID:	SB-3W	Labo	ratory ID:	T151943-28		

No Results Detected

Sample ID: SB-4W	Laborate	ory ID:	T151943-29		The trial
		Reporting			
Analyte	Result	Limit	Units	Method	Notes
Barium	73	50	ug/l	EPA 6010b	
Bis(2-ethylhexyl)phthalate	17	10	ug/l	EPA 8270C	O-05
Di-n-butyl phthalate	6.3	5.0	ug/l	EPA 8270C	O-05

SunStar Laboratories, Inc.





Pangea Environmental Services, Inc.

1710 Franklin Street, Suite 200

Oakland CA, 94612

Project: 601 California, Burlingame

Project Number: [none]

Project Manager: Morgan Gillies

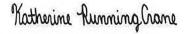
Reported:

08/24/15 17:30

SB-1-5 T151943-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aborato	ries, Inc.					
Volatile Organic Compounds by EPA Me	thod 8260B				- 22			Cat Sellon	one white
rans-1,2-Dichloroethene	ND	5.0	ug/kg	1	5082417	08/12/15	08/12/15	EPA 8260B	
1,2-Dichloropropane	ND	5.0	u	u	11	11	"	"	
1,3-Dichloropropane	ND	5.0	11	"	u	"	"		
2,2-Dichloropropane	ND	5.0	"	u	m ·	u	"		
1,1-Dichloropropene	ND	5.0	11	u	u .	11	.11	и	
eis-1,3-Dichloropropene	ND	5.0	11	n n	0	11	"	"	
rans-1,3-Dichloropropene	ND	5.0	u		"	11	"		
Hexachlorobutadiene	ND	5.0			"	11	n		
sopropylbenzene	29	5.0	"	u	n	11	n		
o-Isopropyltoluene	8.5	5.0	11	n	u	.11	. 11	n	
Methylene chloride	ND	5.0		"	"	"	"	"	
Naphthalene	170	5.0	"	"	"	"	"	II .	
1-Propylbenzene	110	5.0	н	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	n	11	"	
,1,2,2-Tetrachloroethane	ND	5.0	н	u	"	"	"	n .	
,1,1,2-Tetrachloroethane	ND	5.0	н	"	"	"	11	"	
Tetrachloroethene	ND	5.0		"	"	u	11		
,2,3-Trichlorobenzene	ND	5.0	**	**	л .	11	11	u	
,2,4-Trichlorobenzene	ND	5.0	"	11	u	u	u	"	
,1,2-Trichloroethane	ND	5.0	11	u	n n	11	11	"	
,1,1-Trichloroethane	ND	5.0	11	"		"	11	"	
Trichloroethene	ND	5.0	"	"	"	"	n n	"	
Trichlorofluoromethane	ND	5.0	"	**	"	ıı	11	"	
,2,3-Trichloropropane	ND	5.0	"	11	"	u	u	n	
,3,5-Trimethylbenzene	ND	5.0	н.	"	"	11	11		
,2,4-Trimethylbenzene	ND	5.0	"	"	"	и	11	"	
/inyl chloride	ND	5.0	"	u	11	u	11	"	
Benzene	ND	5.0	"	"	u	"	11	"	
Coluene	ND	5.0		"	"	"	u		
Ethylbenzene	ND	5.0	"			11	"		
n,p-Xylene	ND	10			"	11	11	"	
-Xylene	ND	5.0	11	"		u	11	"	

SunStar Laboratories, Inc.





Pangea Environmental Services, Inc.

Project: 601 California, Burlingame

1710 Franklin Street, Suite 200

Project Number: [none]

Reported:

Oakland CA, 94612

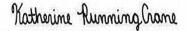
Project Manager: Morgan Gillies

08/24/15 17:30

SB-2-13 T151943-10 (Soil)

Analyte	24 42	elector in	Result	Reporting Limit	Units	75.75 56.16	Dilution	Batch	Prepared	Analyzed	Method Notes
				SunStar L	aborato	ries,	Inc.				
Extractable Petroleum Hyd	rocarbons	by 8015C	•					19.50	to be in it.	13 mi m n	Logisai Lupkaya Calibah
C13-C28 (DRO)			15	10	mg/kg		1	5082412	08/12/15	08/15/15	EPA 8015C
C29-C40 (MORO)			ND	10	÷.11		"	0	11	ıı	" उत्कारकार्याचीर
Surrogate: p-Terphenyl				99.2 %	65	-135		"	"	"	N
Volatile Organic Compound	ls by EPA	Method 8	260B								
Bromobenzene			ND	5.0	ug/kg		1	5082417	08/12/15	08/12/15	EPA 8260B
Bromochloromethane			ND	5.0	"		"	n	u	11	•
Bromodichloromethane			ND	5.0	"		"	"	11	"	
Bromoform			ND	5.0			"	"	н	11	II
Bromomethane			ND	5.0	.00		u	n	n n	II .	
n-Butylbenzene			100	5.0	, 11		11	0	11	11	II .
sec-Butylbenzene			86	5.0	"		"	1.	11	"	·
ert-Butylbenzene			ND	5.0	н		"	11	n ·	11	
Carbon tetrachloride			ND	5.0	"		"	"	11	11	
Chlorobenzene	~		ND	5.0	11		11	"	u	11	
Chloroethane			ND	5.0	11		"	n .	11	11	u .
Chloroform			ND	5.0	n		11	"	n	11	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Chloromethane			ND	5.0	"		u	"	**	11	
2-Chlorotoluene			ND	5.0	. "		"	"	11	n n	
1-Chlorotoluene			ND	5.0	"		u	m ,	"	"	
Dibromochloromethane			ND	5.0	"		u	"	11	"	
,2-Dibromo-3-chloropropane			ND	10	. 11		и	"	"	"	•
,2-Dibromoethane (EDB)			ND	5.0	11		"		11	"	
Dibromomethane			ND	5.0	"		"		n	11	
,2-Dichlorobenzene			ND	5.0	"		u	n ,	**	"	·
,3-Dichlorobenzene			ND	5.0	_ 11		"	W	11	11	. II
,4-Dichlorobenzene			ND	5.0	"		"		"	**	
Dichlorodifluoromethane			ND	5.0	"		u	n	11	"	"
,1-Dichloroethane			ND	5.0	"		**		n	"	•
,2-Dichloroethane			ND	5.0			u	9	n	11	"
,1-Dichloroethene			ND	5.0	"		"	"	11	11	
eis-1,2-Dichloroethene			ND	5.0			u		u	u	III
rans-1,2-Dichloroethene			ND	5.0	н		u	"	11	"	"

SunStar Laboratories, Inc.





Pangea Environmental Services, Inc.

Project: 601 California, Burlingame

1710 Franklin Street, Suite 200

Project Number: [none]

Reported:

Oakland CA, 94612

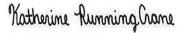
Project Manager: Morgan Gillies

08/24/15 17:30

SB-2-13 T151943-10 (Soil)

Analyte	. 4 2	39 . 1831		Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
					SunStar I	aborato	ries, Inc.					
Volatile Organic Co	mpou	nds by EPA	Method 8	260B			WWW.wistonson.org.est-community		2 y 02 m		A R. WINS	
Tert-butyl alcohol				ND	50	ug/kg	1	5082417	08/12/15	08/12/15	EPA 8260B	
Di-isopropyl ether				ND	20	- u	m m	11	**	"	11	
Ethyl tert-butyl ether				ND	20				"			
Methyl tert-butyl ether				ND	20	"	II .	n	11	n n	"	
C6-C12 (GRO)	12-12-1	0.54		130000	5000	и	10	n i	11	. 11		Maria Maria
Surrogate: 4-Bromofluoro	benzene				170 %	81.	.2-123	"	"	"	"	S-GC
Surrogate: Dibromofluoro	methane				96.9 %	95.	.7-135	"	"	"	"	
Eurrogate: Toluene-d8					96.6 %	85.	.5-116	"	"	"	"	

SunStar Laboratories, Inc.





Pangea Environmental Services, Inc.

1710 Franklin Street, Suite 200

Oakland CA, 94612

Project: 601 California, Burlingame

Project Number: [none]

Project Manager: Morgan Gillies

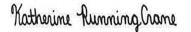
Reported:

08/24/15 17:30

SB-4-10 T151943-22 (Soil)

	n 1	Reporting	** *	D.1					
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	:	SunStar L	aborator	ies, Inc.					
Volatile Organic Compounds by EPA Me	ethod 8260B	***************************************				and the	1 3 1 4785	gtra e a ga	1 1 1 1 6
rans-1,2-Dichloroethene	ND	5.0	ug/kg	1	5082417	08/12/15	08/12/15	EPA 8260B	
1,2-Dichloropropane	ND	5.0	II		n ;	"	"		
1,3-Dichloropropane	ND	5.0	"	ii ii	"	"	n .	u	
2,2-Dichloropropane	ND	5.0	11	u u	п -	11	11	"	
1,1-Dichloropropene	ND	5.0	"	ш	"	"	11	"	
cis-1,3-Dichloropropene	ND	5.0	11	n n		"	u	n	
rans-1,3-Dichloropropene	ND	5.0	u.	, u	"	"	11	11	
Hexachlorobutadiene	ND	5.0	п	"	"	"	n(
sopropylbenzene	ND	5.0		"	n	"	11	II .	
p-Isopropyltoluene	ND	5.0	11	· ·	,u	"	m .	H .	
Methylene chloride	ND	5.0			н	"	п	"	
Naphthalene	ND	5.0	U	II.	n	11	11	н	
n-Propylbenzene	ND	5.0	"	n	11	n	и	u	
Styrene	ND	5.0	"	m. ·	n	n	11	"	
,1,2,2-Tetrachloroethane	ND	5.0	"	n,	11	11	11	"	
,1,1,2-Tetrachloroethane	ND	5.0	ıı	"	u	n	u	"	
Tetrachloroethene	ND	5.0	u	"	"	11	11	ж.	
,2,3-Trichlorobenzene	ND	5.0	11	"	"	n	u	"	
,2,4-Trichlorobenzene	ND	5.0	11	"	n	"	11	II .	
,1,2-Trichloroethane	ND	5.0	"	"	"	11	n	u	
,1,1-Trichloroethane	ND	5.0		H ²	"	"	11	п	
richloroethene	ND	5.0	.11	"	"	11	11	и	
richlorofluoromethane	ND	5.0	"		"	ıı	11	n	
,2,3-Trichloropropane	ND	5.0	"	"		"	u	н	
,3,5-Trimethylbenzene	ND	5.0	"	"		11	"	"	
,2,4-Trimethylbenzene	ND	5.0	"	"		11	"	п	
/inyl chloride	ND	5.0	"	"	"	"		u	
Benzene	ND	5.0		"	"	n	и	n	
oluene	ND	5.0			"	11	11	н	
Ethylbenzene	ND	5.0		"	"	II .	11	"	
1,p-Xylene	ND	10		"		"	"		
-Xylene	ND	5.0	11		"	"	11	"	

SunStar Laboratories, Inc.





Pangea Environmental Services, Inc.

Project: 601 California, Burlingame

1710 Franklin Street, Suite 200

Project Number: [none]

Reported: 08/24/15 17:30

Oakland CA, 94612

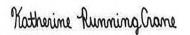
Project Manager: Morgan Gillies

.

SB-1W T151943-27 (Water)

Analyte	(a) 31(M)	t in decidence	Result	Reporting Limit	Units	Dilutio	n Batch	Prepared	Analyzed	Method	Notes
				SunStar L	aborato	ries, Inc.					
Extractable Per	troleum Hy	drocarbons by	8015C				Tyri h	Property of	14, 14	a drive to the second	et 1 ml - 15.
C13-C28 (DRO)			ND	0.50	mg/l	1	5082414	08/12/15	08/14/15	EPA 8015C	
C29-C40 (MORC))	#	ND	0.50	- 11		0	**	"	и	
Surrogate: p-Terphe	enyl			73.6 %	6.	5-135	"		"	и	
Volatile Organ	ic Compou	nds by EPA M	ethod 8260B								
Bromobenzene			ND	1.0	ug/l	1	5082418	08/12/15	08/13/15	EPA 8260B	
Bromochlorometh	nane		ND	1.0	н			11	11	u .	
Bromodichlorome	ethane		ND	1.0	11			u			
Bromoform			ND	1.0	"			11	"	u .	
Bromomethane			ND	1.0		n		"	11	n	
n-Butylbenzene			ND	1.0	"	ıı ı	n	11	11	II .	
sec-Butylbenzene			ND	1.0	"	"	. "	11	11	11	
tert-Butylbenzene			ND	1.0			"	u	n n	n	
Carbon tetrachlor	ide		ND	0.50	**			11	11	11	
Chlorobenzene			ND	1.0	"	n	,	II	и		
Chloroethane			ND	1.0	"	u u	п .	n	n		
Chloroform			ND	1.0	, "		"	11	п		
Chloromethane			ND	1.0			P : ::	u	u		
2-Chlorotoluene			ND	1.0	н	u	,	11	п	"	
4-Chlorotoluene			ND	1.0	"	п	n .	u u	11	n.,	
Dibromochlorome	ethane		ND	1.0	**			11		"	
1,2-Dibromo-3-ch	loropropane		ND	5.0				"	11	u	
1,2-Dibromoethar	ne (EDB)		ND	1.0			n	u	n .		
Dibromomethane			ND	1.0			0	n .	n		
1,2-Dichlorobenze	ene		ND	1.0	"			11	u		
1,3-Dichlorobenze	ene		ND	1.0				11	11		
1,4-Dichlorobenze			ND	1.0	"		"	"	н	"	
Dichlorodifluoron			ND	0.50		·	и.	"	u		
1,1-Dichloroethan	ie		ND	1.0	11	"	"	11	u		
1,2-Dichloroethan			ND	0.50	"		n	n	и	"	
1,1-Dichloroethen			ND	1.0		u	11	11	n		
cis-1,2-Dichloroet			ND	1.0	,,		,,	11	11		

SunStar Laboratories, Inc.





Pangea Environmental Services, Inc.

Project: 601 California, Burlingame

1710 Franklin Street, Suite 200

Project Number: [none]

Reported: 08/24/15 17:30

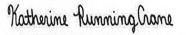
Oakland CA, 94612

Project Manager: Morgan Gillies

SB-1W T151943-27 (Water)

Analyte	22.4		Re	esult	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
					SunStar L	aborato	ories, Inc.					
Volatile Organ	nic Compo	unds by EPA	Method 8260	В						<u> </u>	· - : : : : : : : : : : : : : : : : : :	0.21.53
Tert-amyl methy	l ether]	ND	2.0	ug/l	1	5082418	08/12/15	08/13/15	EPA 8260B	
Tert-butyl alcoh-	ol		1	ND	10	"	"		"		H	
Di-isopropyl eth	er]	ND	2.0							
Ethyl tert-butyl	ether		1	ND	2.0	"	"	"	11	11	"	
Methyl tert-buty	l ether		1	ND	1.0	и	- u - u		n.	0	u	
C6-C12 (GRO)			2	290	50	"	n	"	11	н	n	
Surrogate: 4-Brom	ofluorobenzen	e			112 %	83	.5-119	"	"	"	"	No september
Surrogate: Dibron	ofluoromethar	ie			110 %	8.	1-136	"	"	"	"	
Surrogate: Toluen	e-d8				101 %	88	.8-117	"	"	"	"	

SunStar Laboratories, Inc.





Pangea Environmental Services, Inc.

Project: 601 California, Burlingame

1710 Franklin Street, Suite 200

Project Number: [none]

Reported:

Oakland CA, 94612

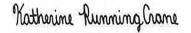
Project Manager: Morgan Gillies

08/24/15 17:30

SB-3W T151943-28 (Water)

Analyte	Result	Reporting Limit	Units	Dil	lution	Batch	Prepared	Analyzed	Method	Notes
		SunStar La	aborato	ries, In	ıc.					
Volatile Organic Compounds by I	EPA Method 8260B					27.90	2162	1000 1000		
trans-1,2-Dichloroethene	ND	1.0	ug/l		1	5082418	08/12/15	08/13/15	EPA 8260B	
1,2-Dichloropropane	ND	1.0	11		"	0 - ;	11	11		
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	1.0	"		ıı	n ·	11	11	u .	
1,1-Dichloropropene	ND	1.0	"		ш		11	n .		
cis-1,3-Dichloropropene	ND	0.50	11.		"	"	"	11	n	
trans-1,3-Dichloropropene	ND	0.50	"		"	"	n	11		
Hexachlorobutadiene	ND	1.0	"		n	u	11	11		
Isopropylbenzene	ND	1.0	. "		u	n	u	n		
p-Isopropyltoluene	ND	1.0	"		"	n	11	11	"	
Methylene chloride	ND	1.0	II.		11	n	u	11		
Naphthalene	ND	1.0	"		u	n	11	n	"	
n-Propylbenzene	ND	1.0	н		"		"	11		
Styrene	ND	1.0	"				11	11		
1,1,2,2-Tetrachloroethane	ND	1.0	, 11		"	11	11	11		
1,1,1,2-Tetrachloroethane	ND	1.0	11		"	"	"	u u	"	
Tetrachloroethene	ND	1.0	н		"		11	"		
1,2,3-Trichlorobenzene	ND	1.0			"	"	n i	11	n	
1,2,4-Trichlorobenzene	ND	1.0	0.		u	n	11	11	n	
1,1,2-Trichloroethane	ND	1.0	11		"		"	**		
1,1,1-Trichloroethane	ND	1.0	11		11	"	n	11	"	
Trichloroethene	ND	1.0	ш		u	11	11	11		
Trichlorofluoromethane	ND	1.0			11	"	u	11		
1,2,3-Trichloropropane	ND	1.0			"	n	11	11		
1,3,5-Trimethylbenzene	ND	1.0	11		"	U	н	II .		
1,2,4-Trimethylbenzene	ND	1.0	"		u		n	"	11	
Vinyl chloride	ND	1.0	н		u		11	11	11	
Benzene	ND	0.50	н		"	11	u	"	"	
Toluene	ND	0.50	11		"		11	"	"	
Ethylbenzene	ND	0.50	"		"	"	н	11	"	
m,p-Xylene	ND	1.0	"		"		"	u	"	
o-Xylene	ND	0.50	11		"		"	11		

SunStar Laboratories, Inc.





Pangea Environmental Services, Inc.

Project: 601 California, Burlingame

1710 Franklin Street, Suite 200

Project Number: [none]

Reported:

Oakland CA, 94612

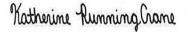
Project Manager: Morgan Gillies

08/24/15 17:30

SB-4W T151943-29 (Water)

Analyte		d-		Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
					SunStar L	aborator	ries, Inc.					
Extractable Petro	oleum Hy	ydrocarbons	by 8015C					3,113	11 1-14	. N. four zan	o 1920 - 1 - 1	conthibuteshi
C13-C28 (DRO)				ND	0.50	mg/l	1	5082414	08/12/15	08/14/15	EPA 8015C	
C29-C40 (MORO)	12		-	ND	0.50	- u			11	"	11	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Surrogate: p-Terpheny	ıl				88.4 %	65	-135	"				
Metals by EPA 6	010B			-				155				FILT
Antimony				ND	50	ug/l	1	5082413	08/13/15	08/24/15	EPA 6010b	
Silver				ND	50	11	"	"	11	11	"	
Arsenic				ND	50		"	u .	u	"	"	
Barium				73	50		"	"	n	,,	"	
Beryllium				ND	50		"	n	u	n .	"	
Cadmium				ND	50	"	"	"	11-	"	11	
Chromium				ND	50	. 11	"	11	u	"	n	
Cobalt				ND	50	11	"	"	11	"	"	
Copper				ND	50		"	"	"	"	"	
Lead				ND	50	11		n	11	"	"	
Molybdenum				ND	50	11	"	"	"	"	"	
Nickel				ND	50	11	"	"	"	u		
Selenium				ND	50	11			11	"		
Thallium				ND	50	11		"	"	"	"	
Vanadium				ND	50	"		"	"	"		
Zinc				ND	.50	11		*		"	u	
Cold Vapor Extr	action El	PA 7470/747	1					ī				to the set of the set.
Mercury				ND	0.50	ug/l	1	5082416	08/12/15	08/24/15	EPA 7470A	FILT

SunStar Laboratories, Inc.





Pangea Environmental Services, Inc.

1710 Franklin Street, Suite 200

Oakland CA, 94612

Project: 601 California, Burlingame

Project Number: [none]

Project Manager: Morgan Gillies

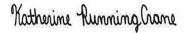
Reported:

08/24/15 17:30

SB-4W T151943-29 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aborato	ries, Inc.					
Volatile Organic Compounds by EPA Me	ethod 8260B				t. ur	ir an Harf	- 11. v 1. St		
cis-1,3-Dichloropropene	ND	0.50	ug/l	1	5082418	08/12/15	08/13/15	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50			"	"	u	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	11		
Isopropylbenzene	ND	1.0	и		"	"	u		
p-Isopropyltoluene	ND	1.0	н	"	"	11	11	"	
Methylene chloride	ND	1.0					u		
Naphthalene	ND	1.0		"	"	11	n i	n	
n-Propylbenzene	ND	1.0	"	n	"	"	u	11	
Styrene	ND	1.0	"	"	"	**	n .	"	
1,1,2,2-Tetrachloroethane	ND	1.0	11	· ·	u	"	**	n	
1,1,1,2-Tetrachloroethane	ND	1.0	н	II	ü	n	II .	11	
Tetrachloroethene	ND	1.0	"	* / u	n ·	11	u .	11	
1,2,3-Trichlorobenzene	ND	1.0	"	n	"	ıı	H .	H 177	
1,2,4-Trichlorobenzene	ND	1.0	11	· u	n ·	11	11	11	
1,1,2-Trichloroethane	ND	1.0	"	"	u .	11	'n		
1,1,1-Trichloroethane	ND	1.0	"	II.	n ·	u	u .	n ·	
Trichloroethene	ND	1.0	н	u	W .	11	11	II .	
Trichlorofluoromethane	ND	1.0	"	n	"	ıı	u	n	
1,2,3-Trichloropropane	ND	1.0	"		n i	"	11	"	
1,3,5-Trimethylbenzene	ND	1.0	"	n n	H = 1	"	11	u	
1,2,4-Trimethylbenzene	ND	1.0		"	n	u	11	11	
Vinyl chloride	ND	1.0	u	и	11	11	11	H .	
Benzene	ND	0.50	"	"		"	u	"	
Toluene	ND	0.50	"		"	"	u		
Ethylbenzene	ND	0.50	н	"	W * *	"	III	u ·	
m,p-Xylene	ND	1.0		u		**	u		
o-Xylene	ND	0.50	н	11	"	11	"	11	
Tert-amyl methyl ether	ND	2.0	11	n n	"	n	u	n	
Tert-butyl alcohol	ND	10	"	- и		11	11	"	
Di-isopropyl ether	ND	2.0	"	n	**	u	u	u 22	
Ethyl tert-butyl ether	ND	2.0				"	11	n ·	
Methyl tert-butyl ether	ND	1.0	"	"		11	n	e e	

SunStar Laboratories, Inc.





Pangea Environmental Services, Inc.

Project: 601 California, Burlingame

1710 Franklin Street, Suite 200

Project Number: [none]

Reported:

Oakland CA, 94612

Project Manager: Morgan Gillies

08/24/15 17:30

SB-4W T151943-29 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar La	aborato	ries, Inc.					
Semivolatile Organic Compounds by	EPA Method 8270C		****************		(1)	2 11 12 2	a service :	3 777	1
Bis(2-ethylhexyl)phthalate	17	10	ug/l	33 1	5082415	08/21/15	08/22/15	EPA 8270C	O-05
4-Bromophenyl phenyl ether	ND	5.0	"	, 41. u		"	11	"	O-05
Butyl benzyl phthalate	ND	10	"	ll .	"	11	"	"	O-05
4-Chloroaniline	ND	20	н		<u>u</u>	**	11	"	O-05
2-Chloronaphthalene	ND	10			"	n	u	n	O-05
4-Chlorophenyl phenyl ether	ND	20	"	н	" "	11	n e	n	O-05
Chrysene	ND	10		"	II ;	11	11	u u	O-05
Dibenz (a,h) anthracene	ND	10	- 11	II.	n ·	11	11		O-05
Dibenzofuran	ND	20	11	u, u	ij.	11	11	и	O-05
Di-n-butyl phthalate	6,3	5.0	- 11		ñ	ıı	u		O-05
1,2-Dichlorobenzene	ND	5.0	"	"	ıı .	11	11	п .	O-05
1,3-Dichlorobenzene	ND	5.0	"	w.	"	u	"	u	O-05
2,4-Dichlorophenol	ND	10	"	"	"	"	11	"	O-05
Diethyl phthalate	ND	10	11		ii .	u	u	"	O-05
2,4-Dimethylphenol	ND	5.0	"	u u	"	11	n	11	O-05
Dimethyl phthalate	ND	10	"	n	II .	u	u	n	O-05
4,6-Dinitro-2-methylphenol	ND	5.0	"		"	11	11	"	O-05
2,4-Dinitrophenol	ND	10	. "	u u	ıı .	11	11	"	O-05
2,6-Dinitrotoluene	ND	20	"		"	u	n	n	O-05
Di-n-octyl phthalate	ND	10	u	u.	u u	n	u	н	O-05
Fluoranthene	ND	5.0	"	11	"	"	u	n	O-05
Fluorene	ND	10	н	u	"	u	u		O-05
Hexachlorobenzene	ND	20	"	u	"	"	u u	"	O-05
Hexachlorobutadiene	ND	10	н	u)	"	"	'n		O-05
Hexachlorocyclopentadiene	ND	20	"	n	"	n	и	W.	O-05
Hexachloroethane	ND	5.0	"	n	"	"	u	n	O-05
Indeno (1,2,3-cd) pyrene	ND	10	"	"	"	п	11	n	O-05
Isophorone	ND	10	"	n	"	u	u	"	O-05
2-Methylphenol	ND	10	"	"	"	"	u	"	O-05
4-Methylphenol	ND	20	11	n.	"	II .	11	н	O-05
Naphthalene	ND	5.0	"	"	п	u	и	n n	O-05
2-Nitroaniline	ND	10	"	"	n		11	н	O-05

SunStar Laboratories, Inc.





Pangea Environmental Services, Inc.

Project: 601 California, Burlingame

1710 Franklin Street, Suite 200

Project Number: [none]

Reported: 08/24/15 17:30

Oakland CA, 94612

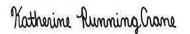
Project Manager: Morgan Gillies

Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

						Reporting		Spike	Source		%REC		RPD	
Analyte	160		. 19.5	Result		Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 508241	13 - EPA 3	010A									***************************************	50154	177	(1) (1) (1)
Blank (508241	3-BLK1)							Prepared:	08/13/15 A	Analyzed: 0	8/24/15			
Antimony	-00		21-1-	ND	V 2.44	50	ug/l	***** ****						
Silver				ND		50	11							
Arsenic				ND		50	11							
Barium				ND		50	11							
Beryllium				ND		50	"							
Cadmium				ND		50	11							
Chromium				ND		50	"							
Cobalt				ND		50	"							
Copper				ND		50	"							
Lead				ND		50	"							
Molybdenum				ND		50	"							
Nickel				ND		50	11							
Selenium				ND		50	11							
Thallium				ND		50	u							
Vanadium				ND		50	"							
Zinc				ND		50	"							
LCS (5082413-	-BS1)							Prepared: (08/13/15 A	Analyzed: 0	8/24/15			
Arsenic				494		50	ug/l	500		98.8	75-125			
Barium				475		50	11	500		95.0	75-125			
Cadmium				492		50	u	500		98.4	75-125			
Chromium				467		50	**	500		93.4	75-125			
Lead				477		50	11	500		95.4	75-125			
Matrix Spike (5082413-M	S1)		S	Source:	T151943-	29	Prepared: (08/13/15 A	Analyzed: 0	8/24/15			
Arsenic				484		50	ug/l	500	ND	96.8	75-125			
Barium				537		50	"	500	73.0	92.8	75-125			
Cadmium				478		50	"	500	ND	95.6	75-125			
Chromium				470		50	"	500	ND	94.0	75-125			
Lead				474		50	11	500	ND	94.8	75-125			

SunStar Laboratories, Inc.





Pangea Environmental Services, Inc.

Project: 601 California, Burlingame

1710 Franklin Street, Suite 200

Project Number: [none]

Reported: 08/24/15 17:30

Oakland CA, 94612

Project Manager: Morgan Gillies

Cold Vapor Extraction EPA 7470/7471 - Quality Control

SunStar Laboratories, Inc.

				Reporting		Spike	Source		%REC		RPD	
Analyte	137	1.41.4	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5082416 - EPA	7470A Wa	iter							7	- 5-4	17 77 - (1	
Blank (5082416-BLK1)		1.10	i	11 6 11 11	,	Prepared:	08/12/15 An	nalyzed: 08	8/24/15			
Mercury			ND	0.50	ug/l							
LCS (5082416-BS1)						Prepared:	08/12/15 An	nalyzed: 08	8/24/15			
Mercury			4.75	0.50	ug/l	5.00		94.9	75-125			Paris and A
Matrix Spike (5082416-N	MS1)		Sour	ce: T151943-	29	Prepared:	08/12/15 An	nalyzed: 08	8/24/15			
Mercury			4.31	0.50	ug/l	5.00	0.0270	85.6	75-125			14
Matrix Spike Dup (5082	416-MSD1)		Sour	ce: T151943-	29	Prepared:	08/12/15 An	alyzed: 08	8/24/15			
Mercury			4.40	0.50	ug/l	5.00	0.0270	87.5	75-125	2.11	20	

SunStar Laboratories, Inc.





Pangea Environmental Services, Inc.

1710 Franklin Street, Suite 200

Project: 601 California, Burlingame

Project Number: [none]

Reported:

Oakland CA, 94612

Project Manager: Morgan Gillies

08/24/15 17:30

Volatile Organic Compounds by EPA Method 8260B - Quality Control

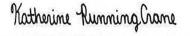
SunStar Laboratories, Inc.

surface		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 5082417 - EPA 5030 GCMS

Blank (5082417-BLK1)		- 1 m m		Prepared: 08/1	11/15 Analyzed: 08/	12/15	
p-Isopropyltoluene	ND	5.0	ug/kg	5.47			
Methylene chloride	ND	5.0					
Naphthalene	ND	5.0	"				
n-Propylbenzene	ND	5.0					
Styrene	ND	5.0	"				
1,1,2,2-Tetrachloroethane	ND	5.0	"				
1,1,1,2-Tetrachloroethane	ND	5.0	"				
Tetrachloroethene	ND	5.0	и				
1,2,3-Trichlorobenzene	ND	5.0	11				
1,2,4-Trichlorobenzene	ND	5.0	"				
1,1,2-Trichloroethane	ND	5.0	11				
1,1,1-Trichloroethane	ND	5.0	11				
Trichloroethene	ND	5.0	11				
Trichlorofluoromethane	ND	5.0	11				
1,2,3-Trichloropropane	ND	5.0	11				
1,3,5-Trimethylbenzene	ND	5.0	"				
1,2,4-Trimethylbenzene	ND	5.0	11				
Vinyl chloride	ND	5.0	u				
Benzene	ND	5.0	11				
Toluene	ND	5.0	"				
Ethylbenzene	ND	5.0	n				
m,p-Xylene	ND	10	"				
o-Xylene	ND	5.0					
Tert-amyl methyl ether	ND	20	"				
Tert-butyl alcohol	ND	50	11				
Di-isopropyl ether	ND	20	"				
Ethyl tert-butyl ether	ND	20	"				
Methyl tert-butyl ether	ND	20	"				
C6-C12 (GRO)	ND	500	"				
Surrogate: 4-Bromofluorobenzene	40.3	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	"	40.0	101	81.2-123	
Surrogate: Dibromofluoromethane	35.5		"	40.0	88.8	95.7-135	S-GC
Surrogate: Toluene-d8	41.2		"	40.0	103	85.5-116	

SunStar Laboratories, Inc.





Pangea Environmental Services, Inc.

Project: 601 California, Burlingame

1710 Franklin Street, Suite 200

Project Number: [none]

Reported: 08/24/15 17:30

Oakland CA, 94612

Project Manager: Morgan Gillies

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

1			Reporting		Spike	Source		%REC		RPD	
Analyte		Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Blank (5082418-BLK1)	10. 30.		-11h - 14h	1	Prepared: 08/	12/15 Analyzed: 08/13/15	and Alexander to provide
4-Chlorotoluene		ND	1.0	ug/l			
Dibromochloromethane		ND	1.0	"			
1,2-Dibromo-3-chloropropane		ND	5.0	"			
1,2-Dibromoethane (EDB)		ND	1.0	"			
Dibromomethane		ND	1.0	"			
1,2-Dichlorobenzene		ND	1.0	"			
1,3-Dichlorobenzene		ND	1.0	"			
1,4-Dichlorobenzene		ND	1.0	"			
Dichlorodifluoromethane		ND	0.50	"			
1,1-Dichloroethane		ND	1.0	"			
1,2-Dichloroethane		ND	0.50	"			
1,1-Dichloroethene		ND	1.0	11			
cis-1,2-Dichloroethene		ND	1.0	"			
trans-1,2-Dichloroethene		ND	1.0	"			
1,2-Dichloropropane		ND	1.0	"			
1,3-Dichloropropane		ND	1.0	"			
2,2-Dichloropropane		ND	1.0	"			
1,1-Dichloropropene		ND	1.0	"			
cis-1,3-Dichloropropene		ND	0.50	"			
trans-1,3-Dichloropropene		ND	0.50	"			
Hexachlorobutadiene		ND	1.0	"			
Isopropylbenzene		ND	1.0	"			
p-Isopropyltoluene		ND	1.0	"			
Methylene chloride		ND	1.0	11			
Naphthalene		ND	1.0	"			
n-Propylbenzene		ND	1.0	"			
Styrene		ND	1.0	"			
1,1,2,2-Tetrachloroethane		ND	1.0	"			
1,1,1,2-Tetrachloroethane		ND	1.0	"			
Tetrachloroethene		ND	1.0	"			
1,2,3-Trichlorobenzene		ND	1.0	"			
1,2,4-Trichlorobenzene		ND	1.0	**			
1,1,2-Trichloroethane		ND	1.0	"			
1,1,1-Trichloroethane		ND	1.0	"			
Trichloroethene		ND	1.0	"			
Trichlorofluoromethane		ND	1.0	"			

SunStar Laboratories, Inc.





Pangea Environmental Services, Inc.

1710 Franklin Street, Suite 200

Project: 601 California, Burlingame Project Number: [none]

Reported:

Oakland CA, 94612

Project Manager: Morgan Gillies

08/24/15 17:30

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

		Reporting		Spike	Source		70KEC		KPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5082418 - EPA 5030 GCM	MS						4.0.14.6	LL DE IE		LECENT STATE
LCS Dup (5082418-BSD1)				Prepared:	08/12/15 Ai	nalyzed: 0	8/13/15		1 150	A. S. III. A par
Chlorobenzene	21.6	1.0	ug/l	20.0		108	75-125	0.697	20	
1,1-Dichloroethene	22.6	1.0	11	20.0		113	75-125	0.707	20	
Trichloroethene	19.9	1.0	"	20.0		99.4	75-125	0.555	20	
Benzene	21.9	0.50	· ·	20.0		109	75-125	4.87	20	
Toluene	19.8	0.50	"	20.0		99.2	75-125	2.19	20	
Surrogate: 4-Bromofluorobenzene	8.67		"	8.00		108	83.5-119			gri er vil ville
Surrogate: Dibromofluoromethane	9.61		"	8.00		120	81-136			
Surrogate: Toluene-d8	7.65		"	8.00		95.6	88.8-117			

SunStar Laboratories, Inc.





Pangea Environmental Services, Inc.

Project: 601 California, Burlingame

1710 Franklin Street, Suite 200

Project Number: [none]

Reported:

Oakland CA, 94612

Project Manager: Morgan Gillies

08/24/15 17:30

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

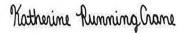
SunStar Laboratories, Inc.

	-		Reporting		Spike	Source		%REC		RPD	
Analyte		Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 5082415 -	EPA 3510C	GCMS/ECD

Blank (5082415-BLK1)	-11	1	i e di be atte	3	Prepared: 08/21/15 Analyzed: 08/22/15	. B. L. J
1,2-Dichlorobenzene		ND	5.0	ug/l		
1,3-Dichlorobenzene		ND	5.0	"		
2,4-Dichlorophenol		ND	10	н		
Diethyl phthalate		ND	10	"		
2,4-Dimethylphenol		ND	5.0	"		
Dimethyl phthalate		ND	10			
4,6-Dinitro-2-methylphenol		ND	5.0	"		
2,4-Dinitrophenol		ND	10			
2,6-Dinitrotoluene		ND	20	"		
Di-n-octyl phthalate		ND	10	"		
Fluoranthene		ND	5.0	"		
Fluorene		ND	10	"		
Hexachlorobenzene		ND	20	и		
Hexachlorobutadiene		ND	10	"		
Hexachlorocyclopentadiene		ND	20	"		
Hexachloroethane		ND	5.0	"		
Indeno (1,2,3-cd) pyrene		ND	10	**		
Isophorone		ND	10	"		
2-Methylphenol		ND	10	"		
4-Methylphenol		ND	20	11		
Naphthalene		ND	5.0	11		
2-Nitroaniline		ND	10	**		
3-Nitroaniline		ND	10	11		
4-Nitroaniline		ND	20	11		
Nitrobenzene		ND	20	11		
2-Nitrophenol		ND	10	11		
N-Nitrosodiphenylamine		ND	10	u		
N-Nitrosodimethylamine		ND	25	"		
Phenanthrene		ND	10	n		
2,4,5-Trichlorophenol		ND	20	11		
2,4,6-Trichlorophenol		ND	10	"		
2,3,4,6-Tetrachlorophenol		ND	10	"		
2,3,5,6-Tetrachlorophenol		ND	10	**		
1,4-Dinitrobenzene		ND	10	"		
Pyridine		ND	10	11		

SunStar Laboratories, Inc.





Pangea Environmental Services, Inc.

Project: 601 California, Burlingame

Spike

Level

200

Source

Result

%REC

Limits

15.8-136

115

RPD

1710 Franklin Street, Suite 200

Project Number: [none]

Reporting

Limit

Result

229

Reported: 08/24/15 17:30

RPD

Limit

Notes

Oakland CA, 94612

Surrogate: Terphenyl-dl4

Analyte

Project Manager: Morgan Gillies

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

SunStar Laboratories, Inc.

Units

Batch 5082415 - EPA 3510C GCMS/ECD									
LCS Dup (5082415-BSD1)				Prepared: 08/21/	15 Analyzed: 0	8/22/15	1		
Pentachlorophenol	123	10	ug/l	200	61.5	50-130	0.987	50	
Pyrene	140	10	11	200	70.0	26-127	3.32	31	
Surrogate: 2-Fluorophenol	62.3		"	200	31.1	15-121		g = 1	
Surrogate: Phenol-d6	33.4		"	200	16.7	24-113			S-GC
Surrogate: Nitrobenzene-d5	143		"	200	71.6	14.7-110			
Surrogate: 2-Fluorobiphenyl	187		"	200	93.6	33.3-110			
Surrogate: 2,4,6-Tribromophenol	200		"	200	99.9	12.9-110			

SunStar Laboratories, Inc.



7
-
ö
×
ž
>
O
0
*
~
ರ
5
O
_
ਨ
ڪ
O

SunStar Laboratories, Inc. 25712 Commercentre Dr Lake Forest, CA 92630 949-297-5020

1			\dagger	\vdash		\vdash			-	4	\top	+	+	+	t	\vdash					
) to	Client Project #:EDF #:	Comments/Preservative			J				ie.			-					Notes			The same of the sa	
Fage:	Client P EDF #:_	Laboratory ID #	õ	20	63	26	8	90	20	30	60	٥	= !	4 20	14	3		ii -	2.0		
			1			-		1			T	T				27200	sers	¥ ¥	Received good condition/cold 2.0	. J.	
3427					·			\forall	1	\dagger	\dagger	\dagger	\dagger		0		Total # of containers	Chain of Custody seals (YNNNA Seals intact?) Seals intact?	ltion/	V	^
	श्री ।		1	-								1				1	‡ of c	seal ntact	cond		e.
	-e 1 Vagg		9	7-1-1										-	1		otal	stody eals i	good	:	Turn around time:
	151948	6010/7000 Title 22 Metals		1 2		14	ŲŪ.		1		48 T (F	1	_		Tr.			of So	ived		roun
ame:		8015M Ext./Carbon Chain		10	1.91			1		12	319	-	\vdash					nain (Rece		rn a
Project Name:	ش	0158M(gasoline) 8015M (diesel)	\mathbb{H}		1.14 1.14			10	+	+	+	+	+			\dashv	1	o	+	!	1
N TO	Collector:Batch #:	8021 BTEX		12	9-4 - 	t -	+	+	+	+	1	┿	+				Φ.	. 0		ω ·	
Projec	Collector Batch #:	0728	4	15			+	+	+	+	+	+	+	\vdash	-			2 =	20	Ë	
1 11	0 11	8260 BTEX, OXY only	1	16	-		\dashv	+	+	-	+	+	+				Date / Time	Date / Time	(6:50	Date / Time	
	1	XO + 0978			16.11		20	†	\dagger	\dagger	\dagger	t	T				۱ ر	3	8.11.15	-	
		8260	7			1	\top	\dagger	T	\dagger	T	T	T		- 1				18:11		
1 g 1 g 1 g 1 g 1 g 1 g 1 g 1 g 1 g 1 g		Container Type	Steere	And the state of t			\		-	-	-			_		Sleeve	Received by: (signature)	Redeived by: (signature)		Received by: (signature)	
1 and		Sample Type	Grab	1	4		1	1	1	+	\downarrow					_	Reseived b	Received b	Jan	Received b	
St. OAK	Fax:	Time	1055	253	1148	11 50	1155	0071	1205	14 35	3 2	12 50	1455	1500	1505	0836	me	7100 Time	150	me	
2	gn Gillies	Date Sampled	8-7-15	1										_	1	8.7.15	Date / Time	-	811-15 10150	Date / T	
Address: 1710 Frank!	Phone: 510 - 836 ਤਿਸਕ੍ਰ Project Manager: Morngan	Sample ID	1	1	SB-1-10	-	-		11	365 22 3	7		18-3-20	- 2 -	2	56-3- 5	Relinquished by: (signature)	Relinquished by: (signature)	059	Relinquished by: (signature)	

Total # of containers

Chain of Custody Record

SunStar Laboratories, Inc. 25712 Commercentre Dr Lake Forest, CA 92630 949-297-5020

1		L E	otal # of containers	4	L	1	_			_	1	1	1	2	L	7		Į			7	
W of W	Client Project #:	#	Comments/Presentative	סקווווופווופון ופספו אמוואס	E.						5 2	* 31				•	Notes			- Commence of the Commence of	The second secon	(1) de-
Page:	Client	EDF#:	-aboratory ID #	7 2	~	28	50			T	7	\dagger	\dagger	T		1		Π	П	0]
										1		1	1				ainers	A/NA	NINA	n/cold	510	
			THE STATE OF	4.3			1		111		52 14	1 22			-		Total # of containers	Chain of Custody seals KINNA	Seals intact? (MINA)	Received good condition/cold 2.0		
80					13%				4	1	1	1	-				Total	rstod	eals	good	Turn around fime.	
8.7.15 ame:		246	SO10/Y000 Title 22 Metals	1-		L	_		+	+	-	-	+	-			-	್ಕ್ರಂ	0)	eived		5
<u>ټ</u>		7151943	M2fO8 Ext./Carbon Chain	-					+	+	+	+	+	+		-		hain		Rece	2	
Date: 8.			M3f08 (gasoline) M3f08	-	_	-	8.1		+	3 8	3-1	+	+	╀		+		0	Г—	_		֓֞֜֜֜֜֜֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֡֓֡֓֓֓֓֡֓֜֝֡֓֡֓֡֡֡֡֓֡֓֡֡֡֡֡֡֡֡
Z T	Collector:	#	8021 BTEX			\vdash	_	Н	+	+	+	+	+	╀	H	+	_ _ _	۱۵	e e		<u>o</u>	
Date: _ Projec		atch	8270	+		1			+	2-1-	-	+	-	-	\dashv	+	/ Time	8	Ë			
. ц ц	. 0	٤	8260 BTEX, OXY only	1-1	ęk i		4 4	-31	72 8	+	1	1 2	100	10.5		-	ate	8/18	Date / Time	10:50	ate	g
		3	8260 + OXY	1					\dagger	\dagger	\dagger	t	H			\dagger	1	. 0				Pickup
		>	0978	1	_				\dagger	\dagger	\dagger		T			\dagger		3		51.112		
		18 Dangla env. Com Batch #.	Container Type	VOA	1907	Voa	* 1-10 x										Received by: (signifature)	put	Received by: (signature)	-01	Regelved by: (signature)	Return to client
S OAK land	7	=	Sample	Grab	1		Gab							0	1.2		Received	4	Received t	No.	Kegelved	Return
Sv5 Sk, 0	اٍ. إ	ies mai	E E	1-1	-	1100	1115	723	1 -		8100			61.		410	Time	18/0	lime		e	each
Franklin	100		Date Sampled	8.7.15	1	/	N.1.18				2 1/4	7.3					Date /	1-01-8	Date / Time	05:01 5111	Date / Iime	Disposal @ \$2.00 each
Client: Pangla Address: 1710 Fray	M	Project Manager: พรายุตก 🚓 ์	Sample ID	3	5. Vol.	-3W	- 4N			-							Relinquished by: (signature)	110	Relinquished by: (signature)	8 059	Kelinquished by: (signature)	Sample disposal Instructions: Dis
Client:_ Address	Phone:	Project		58-	3	0	58										Relinqui	9	Relinqui	:	nbulley	Sample d

COC 131821

Collector: E. Lerrage Project Name: 601 Date: 8-7-15

Client: Pangea Env

Page:

SunStar Laboratories, Inc. 25712 Commercentre Dr Lake Forest, CA 92630 949-297-5020

Alin St. OAk lang Bar Carillies Sample Container Type Type Type Type R.7. 15 1055 Grab Steeve 1205 1150 1140 1145 1145 1205 12
1. OAK
(AICLA LINE LINE LINE LINE LINE LINE LINE LINE

Page:

Date: 8.7.15

Project Name:

Address: Client:

California

SunStar Laboratories, Inc. 25712 Commercentre Dr Lake Forest, CA 92630 949-297-5020

1	1		Total # of containers	1	1	1	1		1	F	П	П	\blacksquare	Н		Ī				
Out in a series	Client Project #.		Comments/Preservative												Notes	TAT TAY		•		000000000000000000000000000000000000000
9 5	Ment	EDF #	# dl ynofelodel							T					T					
Califor Arg															Total # of containers	Chain of Custody seals Y/N/NA	Seals intact? Y/N/NA	Received good condition/cold	ime:	
	1	pen	G2210 elsteM SS eltiT 0007\0108				×		H	+	H	+	+	+1	Tota	Custo	Seal	og be	Turn around time:	
00			8015M Ext./Carbon Chain						T	1	Π			\top		o uie		eceiv	naro	
Je.			1:0 Jotom + (leseib) M&108	X)	X	X			I	П					5		œ	Į,	_
Project Name:	0.0	#	(eniloseg) Mčt08							1	\Box	\perp	$\perp \downarrow$	\perp	•		•		m	
oject	Collector	Batch #:	8021 BTEX	-						+	H	+1	+	+	E .	10	Ĭ,		Ĕ	11
ā d	3	Ba	8270	-			×	-	H	+	H	+	+	+	Date / Time	1	Date / Time		Date / Time	9
5	10	Quan	8260 BTEX, OXY Only	-				-	H	+	H	+	+	+	۵		۵		۵	Pickup
		>	8260 8260			×	^	-	H	+	H		+							255
		pangener	Container			Voa.	- Murri								Received by: (signature)		Received by: (signature)		Received by: (signature)	Return to client
AKIGNO		111.000	Sample	Gran	Anna Caracana Caracana Caracana	900		-							Received b	4	Received b		Received b	Return
为.	Fax:	68 mg	E L	1700	The section of the se	1100	1118								Fime	4:-0/-2	Time		Lime) each
AKI V	50	an Gill	Date Sampled	8.7.15	The same of the same of	87.15	8-1-15					,			Date / Time	00	Date / Time		Date / Time	Disposal @ \$2,00 each
170 Kenkin J. O.	0-630-5100	Project Manager: Morgan Cyllies	Samble ID	3	Sudged or commence to the	SW	HA)								Relinquished by: (signature)	7-6	Relinquished by: (signature)		Relinquished by: (signature)	Sample disposal Instructions: Di
Address:	Phone: 3	Project Ma		S.R-	d	1881	000	1							Relinquish	0	Relinquish		Relinquish	Sample disp

Printed: 8/11/2015 3:54:30PM



WORK ORDER

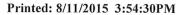
T151943

Client: Pangea Environmental Services, Inc. **Project Manager:** Katherine RunningCrane Project: 601 California, Burlingame **Project Number:** [none] Due TAT Analysis **Expires** Comments T151943-07 SB-1-30 [Soil] Sampled 08/07/15 12:05 (GMT-08:00) Pacific Time HOLD (US & [NO ANALYSES] T151943-08 SB-2-5 [Soil] Sampled 08/07/15 14:35 (GMT-08:00) Pacific Time HOLD (US & [NO ANALYSES] T151943-09 SB-2-10 [Soil] Sampled 08/07/15 14:40 (GMT-08:00) Pacific Time HOLD (US & [NO ANALYSES] T151943-10 SB-2-13 [Soil] Sampled 08/07/15 14:45 (GMT-08:00) Pacific Time (US & 8015 CC (D/MO) 08/18/15 15:00 5 08/21/15 14:45 8260 08/18/15 15:00 08/21/15 14:45 5 + OXY, GRO & lead scavengers T151943-11 SB-2-15 [Soil] Sampled 08/07/15 14:50 (GMT-08:00) Pacific Time HOLD (US & [NO ANALYSES] T151943-12 SB-2-20 [Soil] Sampled 08/07/15 14:55 (GMT-08:00) Pacific Time HOLD (US & [NO ANALYSES] T151943-13 SB-2-25 [Soil] Sampled 08/07/15 15:00 (GMT-08:00) Pacific Time HOLD (US & [NO ANALYSES] T151943-14 SB-2-30 [Soil] Sampled 08/07/15 15:05 (GMT-08:00) Pacific Time HOLD (US & [NO ANALYSES] T151943-15 SB-3-5 [Soil] Sampled 08/07/15 08:25 (GMT-08:00) Pacific Time HOLD (US & [NO ANALYSES]

T151943-16 SB-3-10 [Soil] Sampled 08/07/15 08:30 (GMT-08:00) Pacific Time HOLD

(US &

[NO ANALYSES]





WORK ORDER

T151943

Client: Pangea Environmental Services, Inc.

Project Manager:

Katherine RunningCrane

Project: 601 California, Burlingame

Project Number:

[none]

Analysis	Due	TAT	Expires	Comments
T151943-27 SB-1W [Water] Sampled 08/07/15 17:00 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	08/18/15 15:00	5	08/14/15 17:00	
8260	08/18/15 15:00	5	08/21/15 17:00	+ OXY, GRO & lead scavengers
T151943-28 SB-3W [Water] Sampled 08/07/15 11:00 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	08/18/15 15:00	5	08/14/15 11:00	
8260	08/18/15 15:00	5	08/21/15 11:00	+ OXY, GRO & lead scavengers
T151943-29 SB-4W [Water] Sampled 08/07/15 11:15 (GMT-08:00) Pacific Time (US &				
6010 Title 22	08/18/15 15:00	5	02/03/16 11:15	dissolved
8015 CC (D/MO)	08/18/15 15:00	5	08/14/15 11:15	
8260	08/18/15 15:00	5	08/21/15 11:15	+ OXY, GRO & lead scavengers
8270C	08/18/15 15:00	5	08/21/15 11:15	

Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22

7470/71 Hg

Reviewed By

Date

Page 4 of 4 Page 50 of 50