# WALGREENS DIESEL SPILL EMERGENCY RESPONSE AND CLEANUP SUMMARY

by



Clean Harbors Environmental Services 1010 Commercial Street San Jose, CA 95112

**JANUARY 2015** 



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#### Introduction

This document is a summary of the Emergency Response (ER) and cleanup activities performed by Clean Harbors Environmental Services (CHES) in response to a spill of diesel fuel resulting from a truck accident in Sunol, California. This report also summarizes the post-cleanup disposition of wastes and followup sampling.

The Alameda County Environmental Health Department of Alameda County, California requested this document, certified by a Professional Engineer (P.E.) or Professional Geologist (P.G.) as part of the documentation of the incident.

#### **Emergency Response Organization**

Emergency response, cleanup, and sampling activities were performed by CHES with a business office located at 1010 Commercial Street in San Jose, California 95112.

City of San Jose Business License Number	190039209	Expiration Date: 04/30/2015
Worker's Compensation Number	WC 9681232-01	Expiration Date: 04/30/2015
State Contractors License Number and Type	Haz-C-12A-720298	Expiration Date: 04/03/2015

#### **Summary of Accident and Oil Spill**

This section presents a brief summary of the incident that resulted in a release of oil. The California Highway Patrol (CHP) should be consulted for additional details.

On November 22, 2014, a tractor trailer owned by the Walgreens Woodland Distribution Center (Walgreens) was traveling northbound on Interstate 680 (I-680) near Highway 84 in Sunol, California. The truck left the road just south of the exit ramp for Pleasanton-Sunol Road. An estimated 150 gallons of diesel fuel spilled from the truck's fuel tank onto property owned by the San Francisco Public Utilities Commission (SFPUC). The location of the accident is shown in **Figure 1**.

The oil flowed north toward Koopman Road, then entered a ditch and flowed west under the freeway overpass and under Pleasanton-Sunol Road toward Alameda Creek. The flow path of the oil is shown in **Figure 2**.

#### **Clean Harbors Response and Cleanup Activities**

CHES received an ER call from Walgreens at approximately 1:31 PM on November 22, 2014. Personnel placed booms across the drainage ditch at three locations and used absorbent materials and hand tools to remove the oil. No oil reached Alameda Creek. The approximate boom placement locations are shown in **Figure 3**.

In addition to stopping the flow and removing the oil, CHES excavated approximately 30 cubic yards of oil-contaminated soil. The soil and cleanup debris were placed into drums and a 20 cubic yard roll-off container. The waste was removed from the property in several shipments between



November 24 and December 8, 2014. Waste profiles for the cleanup-generated wastes are included in **Attachment A** and hazardous waste manifests are included in **Attachment B**.

#### **Post-Cleanup Sampling and Laboratory Testing Results**

Following oil removal and soil excavation, CHES conducted confirmation sampling at 10:20 AM on December 1, 2014. CHES collected duplicate soil samples from the drainage ditch at the location from which the soil had been excavated. In addition, CHES collected duplicate samples of well water from a shallow well located approximately 100 feet west of the cleanup location. Samples of both water and soil were collected simultaneously by Neil Fujita of SFPUC. **Figure 3** illustrates the approximate sample locations.

The samples were submitted to a California State licensed and NELAC certified testing laboratory. The samples were analyzed for total petroleum hydrocarbons (TPH) using EPA Method SW846/8015B. Testing analysis, QA/QC supporting documentation and chain of custodies are provided in **Attachment C**. The sample results are summarized in **Table 1**.

Table 1 – Sample Results

Sample Type	Units	Sample 1	Sample 2	Average	Method
Water	mg/l	0.349	0.135	0.242	SW846/8015B
Soil	mg/kg	283	505	394	SW846/8015B



#### Certification

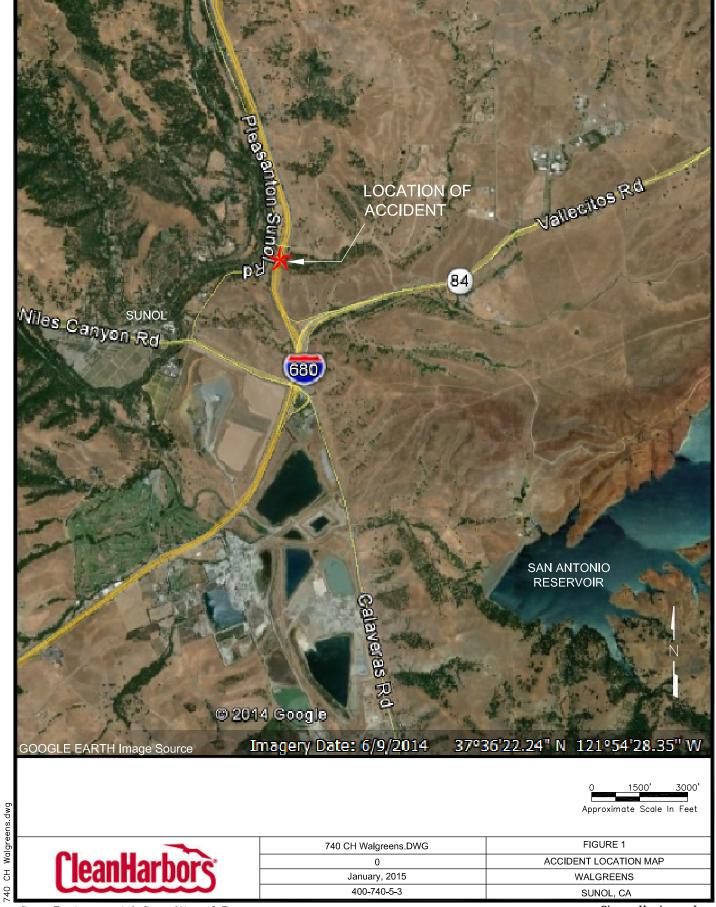
I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the 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 including the possibility of fine and imprisonment for knowing violations.

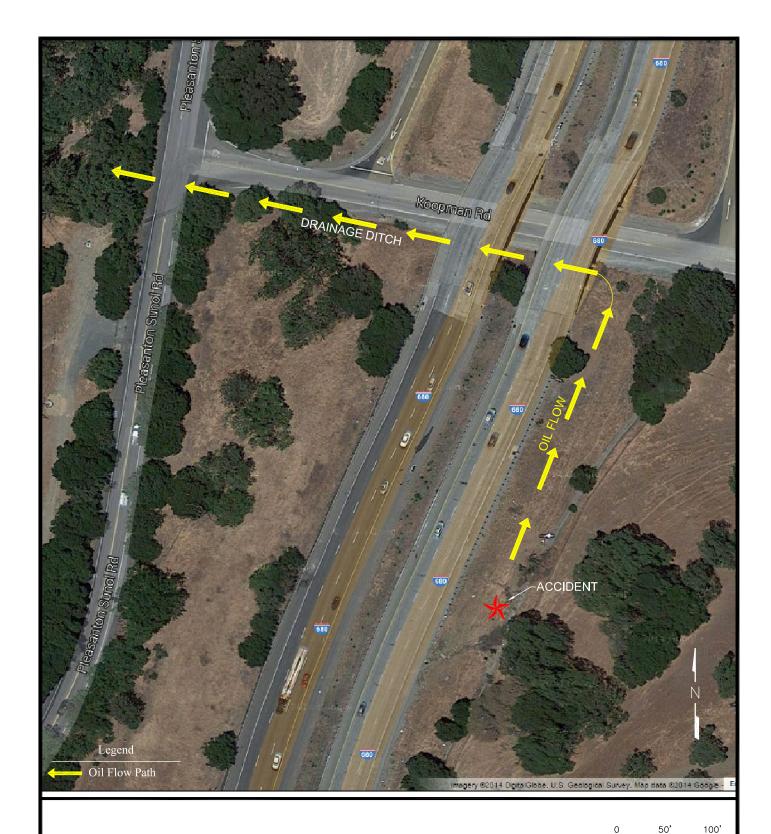
Steven J. Tighe, P.E.
Chemical Engineer No. CH5980
Sage Environmental Consulting, L.P.
Date:



# **Figures**







GOOGLE EARTH Image Source Imagery Date 6/9/2014

Approximate Scale In Feet

			-
Cla	anl		ANO.
ı ie	anH	Idri	JUIS

740 CH Walgreens.DWG	FIGURE 2
0	OIL FLOW PATH
January, 2015	WALGREENS
400-740-5-3	SUNOL, CA

740 CH Walgreens.dwg



	740 CH Walgreens.DWG	FIGURE 3
Joan Harbore	0	BOOM DEPLOYMENT AND SAMPLE LOCATIONS
icalinal noi 7	January, 2015	WALGREENS
	400-740-5-3	SUNOL, CA

 $Sage\ Environmental\ Consulting,\ L.P.$ January, 2015

Clean Harbors, Inc. Sunol, CA

# **Attachment A Waste Profiles**





# WASTE MATERIAL PROFILE SHEET

#### Clean Harbors Profile No. CH911175

CITY

A. GENERAL INFORMATION GENERATOR EPA ID #/REGISTRATION #

GENERATOR CODE (Assigned by Clean Harbors) ADDRESS Northbound Hwy 680 at Hwy 84

PENDING

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM?

Chemical disinfection or some other form of sterilization has been applied to the waste.

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED.

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS.

based on my knowledge of the material. Select the answer below that applies:

The waste was never exposed to potentially infectious material.

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE.

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING; ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY

I acknowledge that this waste material is neither infectious nor does it contain any organism known to be a threat to human health. This certification is

FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER

G39

WA37445

GENERATOR NAME:

Sunol

STATE/PROVINCE CA ZIP/POSTAL CODE

94568

CUSTOMER CODE (Assigned by Clean Harbors)

WA37445 CUSTOMER NAME: PHONE: (530) 406-7771

Walgreens ADDRESS Northbound Hwy 680 at Hwy 84 STATE/PROVINCE ZIP/POSTAL CODE 94568 CITY Sunol CA **B. WASTE DESCRIPTION** Diesel Contaminated Soil and Debris WASTE DESCRIPTION: PROCESS GENERATING WASTE: **Diesel Spill** IS THIS WASTE CONTAINED IN SMALL PACKAGING CONTAINED WITHIN A LARGER SHIPPING CONTAINER? No C. PHYSICAL PROPERTIES (at 25C or 77F) VISCOSITY (If liquid present) NUMBER OF PHASES/LAYERS PHYSICAL STATE COLOR SOLID WITHOUT FREE LIQUID 1 - 100 (e.g. Water) TOP 0.00 **POWDER** Brown **MIDDLE** 101 - 500 (e.g. Motor Oil) 0.00 MONOLITHIC SOLID % BY VOLUME (Approx.) LIQUID WITH NO SOLIDS воттом 501 - 10,000 (e.g. Molasses) 0.00 LIQUID/SOLID MIXTURE > 10.000 % FREE LIQUID ODOR % SETTLED SOLID MELTING POINT °F (°C) TOTAL ORGANIC BOILING POINT °F (°C) NONE % TOTAL SUSPENDED SOLID CARRON <= 95 (<=35) MILD SLUDGE < 140 (<60) <= 1% 95 - 100 (35-38) GAS/AEROSOL STRONG 140-200 (60-93) 1-9% 101 - 129 (38-54) Describe: > 200 (>93) >= 10% >= 130 (>54) FLASH POINT °F (°C) SPECIFIC GRAVITY ASH BTU/LB (MJ/kg) < 0.8 (e.g. Gasoline) < 73 (<23) < 2,000 (<4.6) <= 2 < 0.1 > 20 0.8-1.0 (e.g. Ethanol) 73 - 100 (23-38) 2.000-5.000 (4.6-11.6) 2.1 - 6.90.1 - 1.0 Unknown 101 -140 (38-60) 1.0 (e.g. Water) 5,000-10,000 (11.6-23.2) 7 (Neutral) 1.1 - 5.0 141 -200 (60-93) > 10,000 (>23.2) 7.1 - 12.4 1.0-1.2 (e.g. Antifreeze) 5.1 - 20.0 > 200 (>93) >= 12.5 > 1.2 (e.g. Methylene Chloride) Actual: D. COMPOSITION (List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.) CHEMICAL MIN MAX UOM **DEBRIS** 0.0000000 5.0000000 DIESEL 10.0000000 % 0.0000000 SOIL 90.0000000 100.0000000 % DOES THIS WASTE CONTAIN ANY HEAVY GAUGE METAL DEBRIS OR OTHER LARGE OBJECTS (EX., METAL PLATE OR PIPING >1/4" THICK OR >12" **✓** NO YES LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? If yes, describe, including dimensions:

POTENTIALLY INFECTIOUS MATERIAL?

**✓** NO

✓ NO

NO

NO

NO

NO

YES

YES

YES

YES

YES

YES

W301

SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE.



## Clean Harbors Profile No. CH911175

#### **E. CONSTITUENTS**

Are these values based on testing or knowledge?	✓ Knowledge	Testing
Ale these values based on testing of knowledge:	V Knowledge	Lesting

If based on knowledge, please describe in detail, the rationale applied to identify and characterize the waste material. Please include reference to Material Safety Data Sheets (MSDS) when applicable. Include the chemical or trade-name represented by the MSDS, and or detailed process or operating procedures which generate the waste.

Diesel Snil

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL	UOM	NOT APPLIC	CABLE	
D004	ARSENIC	5.0				~		
D005	BARIUM	100.0				V		
D006	CADMIUM	1.0				~		
D007	CHROMIUM	5.0				✓		
D008	LEAD	5.0				✓		
D009	MERCURY	0.2				<b>V</b>		
D010	SELENIUM	1.0				<b>V</b>		
D011	SILVER	5.0				<b>▽</b>		
	VOLATILE COMPOUNDS			OTHER CONSTITUEN	ITS	MAX	UOM	NOT
D018	BENZENE	0.5						APPLICABLE
D019	CARBON TETRACHLORIDE	0.5		BROMINE				✓
D021	CHLOROBENZENE	100.0		CHLORINE				✓
D022	CHLOROFORM	6.0		FLUORINE				<u>~</u>
D028	1,2-DICHLOROETHANE	0.5		IODINE				<b>▽</b>
D029	1,1-DICHLOROETHYLENE	0.7		SULFUR				<b>▽</b>
D035	METHYL ETHYL KETONE	200.0		POTASSIUM				<u>~</u>
D039	TETRACHLOROETHYLENE	0.7		SODIUM				·····
D040	TRICHLOROETHYLENE	0.5		AMMONIA				·····
D040 D043	VINYL CHLORIDE	0.2		CYANIDE AMENABLE				····· 🛱 ······
				CYANIDE REACTIVE				····· 🛱 ······
B	SEMI-VOLATILE COMPOUNDS			CYANIDE TOTAL				····· 🛱 ······
D023	o-CRESOL	200.0		SULFIDE REACTIVE				· <del> }</del>
D024	m-CRESOL	200.0		JOLI IDE REACTIVE				<u> </u>
D025	p-CRESOL	200.0		HOCs		PCBs		
D026	CRESOL (TOTAL)	200.0		NONE		✓ NONI	=	
D027	1,4-DICHLOROBENZENE	7.5		< 1000 PPM		< 50		
D030	2,4-DINITROTOLUENE	0.13		>= 1000 PPM		>=50	PPM	
D032	HEXACHLOROBENZENE	0.13				IF PCRS A	RE PRESEN	T IS THE
D033	HEXACHLOROBUTADIENE	0.5				WASTE RE	GULATED E	
D034	HEXACHLOROETHANE	3.0				CFR 761?		
D036	NITROBENZENE	2.0				YE	s 🗸	NO
D037	PENTACHLOROPHENOL	100.0						
D038	PYRIDINE	5.0						
D041	2,4,5-TRICHLOROPHENOL	400.0						
D042	2,4,6-TRICHLOROPHENOL	2.0						
	PESTICIDES AND HERBICIDE	S						
D012	ENDRIN	0.02						
D013	LINDANE	0.4						
D014	METHOXYCHLOR	10.0						
D015	TOXAPHENE	0.5						
D016	2,4-D	10.0						
D017	2,4,5-TP (SILVEX)	1.0						
D020	CHLORDANE	0.03						
D031	HEPTACHLOR (AND ITS EPOXIDE							
	L HAZARDS							

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES NO (If yes, explain)

CHOOSE ALL THAT APPLY

DEA REGULATED SUBSTANCES EXPLOSIVE FUMING OSHA REGULATED CARCINOGENS
POLYMERIZABLE RADIOACTIVE REACTIVE MATERIAL ✓ NONE OF THE ABOVE



# Clean Harbors Profile No. CH911175

E DECL!! 43	TODV STAT	ue		
F. REGULAT	IORY STAT	USEPA HAZARDOUS WASTE?		
	<u> </u>	COLI ATTALANDOCO WACTE.		
<b>✓</b> YES	NO	DO ANY STATE WASTE CODES	APPLY?	
		611		
		Texas Waste Code		
YES	<b>✓</b> NO	DO ANY CANADIAN PROVINCIA	L WASTE CODES APPLY?	
YES	<b>✓</b> NO	IS THIS WASTE PROHIBITED FF	ROM LAND DISPOSAL WITHOUT FURTHER TREATMENT P	ER 40 CFR PART 268?
		LDR CATEGORY: Not su	ubject to LDR	
YES	✓ NO	IS THIS A UNIVERSAL WASTE?		
			ACTE OF ACCIDITION AS CONDITIONALLY EVENDT CMALL O	WIANTITY OFNEDATOR (OFCOO)
YES	✓ NO		ASTE CLASSIFIED AS CONDITIONALLY EXEMPT SMALL Q	, ,
YES	NO	IS THIS MATERIAL GOING TO B	E MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUC	(1), WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?
YES	<b>✓</b> NO	DOES TREATMENT OF THIS WA	ASTE GENERATE A F006 OR F019 SLUDGE?	
YES	NO	IS THIS WASTE STREAM SUBJE	ECT TO THE INORGANIC METAL BEARING WASTE PROHIE	BITION FOUND AT 40 CFR 268.3(C)?
YES	<b>✓</b> NO	DOES THIS WASTE CONTAIN V	OC'S IN CONCENTRATIONS >=500 PPM?	
YES	NO	DOES THE WASTE CONTAIN G	REATER THAN 20% OF ORGANIC CONSTITUENTS WITH A	VAPOR PRESSURE >= .3KPA (.044 PSIA)?
YES	<b>✓</b> NO	DOES THIS WASTE CONTAIN A	N ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HA	S A VAPOR PRESSURE > 77 KPA (11.2 PSIA)?
YES	<b>✓</b> NO	IS THIS CERCLA REGULATED (	SUPERFUND ) WASTE ?	
YES	<b>✓</b> NO	,	NE OF THE FOLLOWING NESHAP RULES?	
		Hazardous Organic NESHA	P (HON) rule (subpart G) Pharmaceuticals prod	luction (subpart GGG)
YES	NO	IF THIS IS A US EPA HAZARDO	JS WASTE, DOES THIS WASTE STREAM CONTAIN BENZE	NE?
-	YES		come from a facility with one of the SIC codes listed under beni	
			the original source of the waste is from a chemical manufactur	9. 7
	YES	ů ů	of this waste stream a facility with Total Annual Benzene (TAE	3) >10 Mg/year?
		e TAB quantity for your facility?	Megagram/year (1 Mg = 2,200 lbs)	
		for this determination is: Knowledge	of the Waste Or Test Data	Knowledge Testing
		he knowledge :		
G. DOT/TDG	INFORMAT	ION		
		PPING NAME:		
NON	I RCRA HA	ZARDOUS WASTE SOLIDS,	(DIESEL)	
		REQUIREMENTS FREQUENCY  ONE TIME	WEEKLY MONTHLY QUARTERLY YEARLY OTH	IFR
20			1	BULK SOLID
1-100		<b>DNTAINERIZED</b> RS/SHIPMENT	BULK LIQUID	
STORAGE (		100	GALLONS/SHIPMENT: <i>0 Min -0 Max</i> GAL.	SHIPMENT UOM: TON YARD
CONTAINER	R TYPE:			TONS/YARDS/SHIPMENT: <u>0 Min - 0 Max</u>
	IBIC YARD E			
	TE TANK HER:	<b>✓</b> DRUM		
Oi	TILIX.	DRUM SIZE: 55	1	1
I. SPECIAL R	EQUEST			
COMMENTS	OR REQUES	TS:		
OFNED ATODIO	0507151047	1011		
I certify that I	I am authorize	d to execute this document as an authoriz	ed agent. I hereby certify that all information submitted in this and attached	ed documents is correct to the best of my knowledge. I also
		omitted are representative of the actual was rs deems necessary, to reflect the discrep	aste. If Clean Harbors discovers a discrepancy during the approval proceancy.	ess, Generator grants Clean Harbors the authority to amend
AU <sup>-</sup>	THORIZED :	SIGNATURE N	IAME (PRINT) TITLE	DATE
		·	·· <del></del>	
			<del></del>	<del></del>



# WASTE MATERIAL PROFILE SHEET

## Clean Harbors Profile No. CH914137B

CITY

A. GENERAL INFORMATION
GENERATOR EPA ID #/REGISTRATION #

GENERATOR CODE (Assigned by Clean Harbors)
ADDRESS *Northbound Hwy 680 at Hwy 84* 

CAC002794766

GENERATOR NAME:

Walgreens

CITY **Sunol** 

Sunol

STATE/PROVINCE

ZIP/POSTAL CODE

94568

CUSTOMER CODE (Assigned by Clean Harbors)
ADDRESS Northbound Hwy 680 at Hwy 84

WA37445

WA37445

CUSTOMER NAME:

Walgreens STATE/PROVINCE

CA

PHONE: (530) 406-7771

CA

ZIP/POSTAL CODE

94568

B. WASTE DESCRIPTION WASTE DESCRIPTION:	Diesel Contaminate	ed Soil and Debris					
PROCESS GENERATING V	VASTE: Dies	el Spill					
S THIS WASTE CONTAINE	D IN SMALL PACKAGI	NG CONTAINED WITHIN A LARGER S	HIPPING CONTAINER ? No	)			
C. PHYSICAL PROPERTIES	S (at 25C or 77F)						
PHYSICAL STATE  SOLID WITHOUT FREE LIQUID  POWDER  MONOLITHIC SOLID  LIQUID WITH NO SOLIDS  LIQUID/SOLID MIXTURE  % FREE LIQUID  % SETTLED SOLID		% BY VOLUME (Approx.)	0.00 DLE 0.00 TOM 0.00 BOILING POINT °F (°C)	VISCOSITY (If liquid present) 1 - 100 (e.g. Water) 101 - 500 (e.g. Motor Oil) 501 - 10,000 (e.g. Molasses) > 10,000  MELTING POINT °F (°C)	COLC  Bro	<u>wn</u>	
% TOTAL SUSPENDE SLUDGE GAS/AEROSOL	D SOLID	MILD STRONG Describe:	<= 95 (<=35) 95 - 100 (35-38) 101 - 129 (38-54) >= 130 (>54)	< 140 (<60) 140-200 (60-93) > 200 (>93)	<pre>CARBON</pre>	ó	
FLASH POINT °F (°C)  < 73 (<23)  73 - 100 (23-38)  101 -140 (38-60)  141 -200 (60-93)  > 200 (>93)	pH <= 2 2.1 - 6.9 ✓ 7 (Neutral) 7.1 - 12.4 >= 12.5	SPECIFIC GRAVITY  < 0.8 (e.g. Gasoline)  0.8-1.0 (e.g. Ethanol)  1.0 (e.g. Water)  1.0-1.2 (e.g. Antifreeze)  ➤ 1.2 (e.g. Methylene Chloride)	_	Unknown	0 (4.6-11.6) 00 (11.6-23.2)		
		on of the waste, include any inert compor S. Please do not use abbreviations.)	nents and/or debris. Ranges for in	ndividual components are acceptab  MIN  0.0000000		IAX	UOM %
DIESEL				0.000000	10.0000		- <del>′′</del> %
SOIL					100.0000		- <u>"</u>
DOES THIS WASTE CONT LONG, METAL REINFORC PIECES OF CONCRETE >:	ED HOSE >12" LONG, 3")?	GE METAL DEBRIS OR OTHER LARGE METAL WIRE >12" LONG, METAL VAL		OR PIPING >1/4" THICK OR >12"			NO
If yes, describe, incl	3		ED FORMS				
DOES THIS WASTE CONT	TAIN OR HAS IT CONTA CAL WASTE, PATHOLO	POWDERED OR OTHER FINELY DIVID ACTED ANY OF THE FOLLOWING; AN IGICAL WASTE, HUMAN OR ANIMAL D	IMAL WASTES, HUMAN BLOOD		YES YES		NO NO
		either infectious nor does it contain any o elect the answer below that applies:	ganism known to be a threat to h	numan health. This certification is			
The waste was never	er exposed to potentially	infectious material.			YES		NO
Chemical disinfection	n or some other form of	sterilization has been applied to the was	ete.		YES		NO
I ACKNOWLEDGE THAT T	HIS PROFILE MEETS	THE CLEAN HARBORS BATTERY PAC	KAGING REQUIREMENTS.		YES		NO
I ACKNOWLEDGE THAT I	MY FRIABLE ASBESTO	S WASTE IS DOUBLE BAGGED AND V	VETTED.		YES		NO
SPECIFY THE SOURCE C	ODE ASSOCIATED WI	TH THE WASTE. <b>G39</b>	SPECIFY THE FORM CO	DE ASSOCIATED WITH THE WAS	STE. <b>W301</b>		



## Clean Harbors Profile No. CH914137B

#### **E. CONSTITUENTS**

Are these values based on testing or knowledge? 

Knowledge Testing

If based on knowledge, please describe in detail, the rationale applied to identify and characterize the waste material. Please include reference to Material Safety Data Sheets (MSDS) when applicable. Include the chemical or trade-name represented by the MSDS, and or detailed process or operating procedures which generate the waste.

Diesel Snil

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL	UOM	NOT APPLIC	CABLE	
D004	ARSENIC	5.0				~		
D005	BARIUM	100.0				V		
D006	CADMIUM	1.0				~		
D007	CHROMIUM	5.0				✓		
D008	LEAD	5.0				✓		
D009	MERCURY	0.2				<b>V</b>		
D010	SELENIUM	1.0				<b>V</b>		
D011	SILVER	5.0				<u>~</u>		
	VOLATILE COMPOUNDS			OTHER CONSTITUEN	ITS	MAX	UOM	NOT
D018	BENZENE	0.5						APPLICABLE
D019	CARBON TETRACHLORIDE	0.5		BROMINE				✓
D021	CHLOROBENZENE	100.0		CHLORINE				✓
D022	CHLOROFORM	6.0		FLUORINE				<u>~</u>
D028	1,2-DICHLOROETHANE	0.5		IODINE				<b>▽</b>
D029	1,1-DICHLOROETHYLENE	0.7		SULFUR				<b>▽</b>
D035	METHYL ETHYL KETONE	200.0		POTASSIUM				<u>~</u>
D039	TETRACHLOROETHYLENE	0.7		SODIUM				·····
D040	TRICHLOROETHYLENE	0.5		AMMONIA				·····
D040 D043	VINYL CHLORIDE	0.2		CYANIDE AMENABLE				····· 🛱 ······
				CYANIDE REACTIVE				····· 🛱 ······
<b>D</b>	SEMI-VOLATILE COMPOUNDS			CYANIDE TOTAL				····· 🛱 ······
D023	o-CRESOL	200.0		SULFIDE REACTIVE				· <del> }</del>
D024	m-CRESOL	200.0		JOLI IDE REACTIVE				<u> </u>
D025	p-CRESOL	200.0		HOCs		PCBs		
D026	CRESOL (TOTAL)	200.0		NONE		✓ NONI	=	
D027	1,4-DICHLOROBENZENE	7.5		< 1000 PPM		< 50		
D030	2,4-DINITROTOLUENE	0.13		>= 1000 PPM		>=50	PPM	
D032	HEXACHLOROBENZENE	0.13				IF PCRS A	RE PRESEN	T IS THE
D033	HEXACHLOROBUTADIENE	0.5				WASTE RE	GULATED E	
D034	HEXACHLOROETHANE	3.0				CFR 761?		
D036	NITROBENZENE	2.0				YE	s 🗸	NO
D037	PENTACHLOROPHENOL	100.0						
D038	PYRIDINE	5.0						
D041	2,4,5-TRICHLOROPHENOL	400.0						
D042	2,4,6-TRICHLOROPHENOL	2.0						
	PESTICIDES AND HERBICIDE	S						
D012	ENDRIN	0.02						
D013	LINDANE	0.4						
D014	METHOXYCHLOR	10.0						
D015	TOXAPHENE	0.5						
D016	2,4-D	10.0						
D017	2,4,5-TP (SILVEX)	1.0						
D020	CHLORDANE	0.03						
D031	HEPTACHLOR (AND ITS EPOXIDE							
	L HAZARDS							

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES NO (If yes, explain)

CHOOSE ALL THAT APPLY

DEA REGULATED SUBSTANCES EXPLOSIVE FUMING OSHA REGULATED CARCINOGENS
POLYMERIZABLE RADIOACTIVE REACTIVE MATERIAL ✓ NONE OF THE ABOVE



# Clean Harbors Profile No. CH914137B

F. REGULA	TORY STAT	JS										
YES	<b>✓</b> NO	USEPA HAZARDOUS W	ASTE?									
<b>✓</b> YES	NO	DO ANY STATE WASTE	CODES APPLY?									
		611										
		Texas Waste Code										
YES	<b>✓</b> NO	DO ANY CANADIAN PRO	O ANY CANADIAN PROVINCIAL WASTE CODES APPLY?									
YES	<b>✓</b> NO	IS THIS WASTE PROHIE	ITED FROM LAND DISPOSAL WITHO	UT FURTHER TREATMENT PE	ER 40 CFR PART 268?							
		LDR CATEGORY: VARIANCE INFO:	Not subject to LDR									
YES	✓ NO	IS THIS A UNIVERSAL V	/ASTE?									
YES	<b>✓</b> NO	IS THE GENERATOR OF	THE WASTE CLASSIFIED AS CONDI	TIONALLY EXEMPT SMALL Q	UANTITY GENERATOR (CESQG)?							
YES	NO	IS THIS MATERIAL GOI	IG TO BE MANAGED AS A RCRA EXE	MPT COMMERCIAL PRODUC	T, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?							
YES	<b>✓</b> NO	DOES TREATMENT OF	THIS WASTE GENERATE A F006 OR I	F019 SLUDGE?								
YES	NO NO		A SUBJECT TO THE INORGANIC MET		SITION FOUND AT 40 CFR 268 3(C)?							
YES	✓ NO		NTAIN VOC'S IN CONCENTRATIONS >									
YES	NO NO				VAPOR PRESSURE >= .3KPA (.044 PSIA)?							
YES	<b>✓</b> NO	DOES THIS WASTE CO	NTAIN AN ORGANIC CONSTITUENT V	VHICH IN ITS PURE FORM HA	S A VAPOR PRESSURE > 77 KPA (11.2 PSIA)?							
YES	<b>✓</b> NO	IS THIS CERCLA REGU	ATED (SUPERFUND ) WASTE ?									
YES	<b>✓</b> NO		T TO ONE OF THE FOLLOWING NESI	HAP RULES?								
		Hazardous Organic	NESHAP (HON) rule (subpart G)	Pharmaceuticals produ	uction (subpart GGG)							
YES	NO	IF THIS IS A US EPA HA	ZARDOUS WASTE, DOES THIS WAST	E STREAM CONTAIN BENZE	NE?							
	YES	NO Does the waste	stream come from a facility with one of	the SIC codes listed under benz	zene NESHAP or is this waste regulated under the benzene							
	YES		pecause the original source of the waste g source of this waste stream a facility w		ing, coke by-product recovery, or petroleum refinery process?							
	_	TAB quantity for your faci		agram/year (1 Mg = 2,200 lbs)	) > 10 lvig/year:							
			owledge of the Waste Or Test Data	igram/your (1 mg = 2,200 lbb)	Knowledge Testing							
		ne knowledge :			Tulowicego Feeling							
G. DOT/TDG												
		PING NAME:										
		ZARDOUS WASTE SO	LIDS, (DIESEL)									
		REQUIREMENTS	-,( - ,									
ESTIMATED	SHIPMENT	FREQUENCY ONE	TIME WEEKLY MONTHLY QU	ARTERLY YEARLY OTH	ER							
		ONTAINERIZED	BU	ILK LIQUID	<b>₩</b> BULK SOLID							
		RS/SHIPMENT	GALLONS/SHIPMENT: 0	Min -0 Max GAL.	SHIPMENT UOM: VARD							
STORAGE (					TONS/YARDS/SHIPMENT: 1.00 Min - 100.00 Max							
	IBIC YARD B	OX PALLET			1000/17/100/01/11 MENT. 11:00 MM 100:00 MM2							
ТО	TE TANK	DRUM										
ОТ	HER:	DRUM SIZE:										
I. SPECIAL R	EQUEST											
COMMENTS	S OR REQUES	TS:										
certify that a	I am authorized ny samples sub	I to execute this document as a	actual waste. If Clean Harbors discovers a di		d documents is correct to the best of my knowledge. I also ss, Generator grants Clean Harbors the authority to amend							
AU	THORIZED S	SIGNATURE	NAME (PRINT)	TITLE	DATE							
					<u> </u>							

# Attachment B Hazardous Waste Manifests



Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved, OMB No. 2050-0039 UNIFORM HAZARDOUS 1. Generator ID Number 4. Manifest Tracking Number 2. Page 1 of 3. Emergency Response Phone 007028660 CAC 002794766 (530) 406-7771 WASTE MANIFEST Generator's Site Address (if different than mailing address) 5. Generator's Name and Mailing Address
WALGREENS INC. HOY 680 & HWY 84 2370 E Main st. WOOLLAND, CA 95776 (530)406-777 SUNOL, CA 6. Transporter 1 Company Name U.S. EPA ID Number LIEAN HARBORS ENVIROMENHAL MAD 039322250 SERVES U.S. EPA ID Number 7. Transporter 2 Company Name 8. Designated Facility Name and Site Address SAN 30SE LLC U.S. EPA ID Number CAD 059494310 1021 BERRYESSA RD SAN JOSE, CA 95133 (408) 441-0962 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number 10. Containers 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) Quantity Wt./Vol. НМ No. Туре NON ACRA HAZARDOUS WAST & SOLIDS, 6 GENERATOR 31 (DIESEL) DM 14. Special Handling Instructions and Additional Information CH911175 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name UN BEHALF OF WALGEBUND Export from U.S. Port of entry/exit: Date leaving U.S. Transporter signature (for exports only): 17. Transporter Acknowledgment of Receipt of Materials 26 Transporter 2 Printed/Typed Nan TR AN Signature 18. Discrepancy 18a. Discrepancy Indication Space Туре Quantity \_\_ Residue \_\_ Full Rejection \_ Partial Rejection Manifest Reference Number FACILITY 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: DESIGNATED 18c. Signature of Atternate Facility (or Generator) Day Month Year 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Month Day 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

14. Special Handling Instructions and Additional Information  1. CH914137B  15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national growth at the waste mainization statement identified in 40 CFR 262.27(a) (if I am a jurge quantity generator) or (b) (if I am a small quantified in the waste mainization statement identified in 40 CFR 262.27(a) (if I am a jurge quantity generator) or (b) (if I am a small quantified in 40 CFR 262.27(a) (if I am a jurge quantity generator) or (b) (if I am a small quantified in 40 CFR 262.27(a) (if I am a jurge quantity generator) or (b) (if I am a small quantified in 40 CFR 262.27(a) (if I am a jurge quantity generator) or (b) (if I am a small quantified in 40 CFR 262.27(a) (if I am a jurge quantity generator) or (b) (if I am a small quantified in 40 CFR 262.27(a) (if I am a jurge quantity generator) or (b) (if I am a small quantified in 40 CFR 262.27(a) (if I am a jurge quantity generator) or (b) (if I am a small quantified in 40 CFR 262.27(a) (if I am a jurge quantity generator) or (b) (if I am a small quantified in 40 CFR 262.27(a) (if I am a jurge quantity generator) or (b) (if I am a small quantified in 40 CFR 262.27(a) (if I am a jurge quantity generator) or (b) (if I am a small quantified in 40 CFR 262.27(a) (if I am a jurge quantity generator) or (b) (if I am a small quantified in 40 CFR 262.27(a) (if I am a jurge quantity generator) or (b) (if I am a small quantified in 40 CFR 262.27(a) (if I am a jurge quantity generator) or (b) (if I am a small quantified in 40 CFR 262.27(a) (if I am a jurge quantity generator) or (b) (if I am a small quantified in 40 CFR 262.27(a) (if I am a jurge quantity generator) or (b) (if I am a jurge quantity generator) or (b) (if I am a jurge quantity generator) or (b) (if I am a jurge quantity generator) or (b) (if I am a jurge quantity	U.S. EPAIL  U.S. EPAIL  U.S. EPAIL  U.S. EPAIL  U.S. EPAIL  Quantity	D Number	83828 83513 67527	6 FL
Weigneons 23 70 East Main Street Woodpard, CA 93776 Generator's Phone.  Charasporter 2 Company Name Dev best Transporter 2 Company Name Dev best Lockern Road Fally Name Road Pally Stormellillow, CA 93206 So. Do U. S. DOT Description Footdaring Proper Shipping Name, Hezard Class, ID Number, No. 17  NON RCRA HAZARDOUS WASTE SOLIDS, (DIESEL)  1. CH91 41 37B Din X.55 I HO H  1. CH91 41 37B  Din X.55 I HO H  1. C	U.S. EPAIL  U.S. EPAIL  U.S. EPAIL  U.S. EPAIL  Ountity	D Number D Number D Number	67527	6
7. Transporter 2 Company Name  8. Designated Facility Name and Site Address  Clean Harbors Buttonwillow LLC 2500 Week Lokern Road Faculty Description (Credding Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))  1. NON RCRA HAZARDOUS WASTE SOLIDS, (DIESEL)  2.  3.  3.  4.  4.  14. Special Handling Instructions and Additional Information  1. CH914137B  3.  3.  4.  15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and securately described marked and labeled placarded, and are in all respects in proper cundition for transport according to applicable international and relational glapporter. Jerus of the state-face of the State-face of the Company of Consent of Consent Contents of the State-face of Consent of Consent Contents of Consent Contents of Consent of Consent Contents of Contents of Consent Contents of Consent Contents of Content	U.S. EPAIL  U.S. EPAIL  C.A. I	D Number  D 9 8 0	67527	6
Clean Harbors Buttornwillow LLC 2500 West Lokern Road Fall Stransmillow, CA 93 206 9a. By U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number;	11. Total Quantity	D 9 8 0	I	
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ransporter 2 Printed/Typed Name  8. Discrepancy  8a. Discrepancy Indication Space Quantity Type Residue  Manifest Reference Numb  8b. Alternate Facility (or Generator)	<u> </u>			
8a. Discrepancy Indication Space Quantity Type Residue  Manifest Reference Numb  acility's Phone:			Month   1 Z   Month	Day Day
8a. Discrepancy Indication Space Quantity Type Residue  Manifest Reference Numb  acility's Phone:	<del> </del>			<u></u>
8b. Alternate Facility (or Generator) acility's Phone:	Partial Re	ejection	F	ull Rejection
	u.s. epaid	Number		
8c. Signature of Alternate Facility (or Generator)			Month	Day
9. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)  2. 3.				
0. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a	4.		<del></del>	
Printed/Typed Name Signature	4.		Month	Day

se print or type. (Form designed for use on elite (12-pitch) typewriter.)						OMB No. 205
UNIFORM HAZARDOUS 1. Generator ID Number 2. Page 1 of 3	Emergency Respons		4. Manifest		122	9 FL
	939) 406 - enerator's Site Addres				TCC	JIL
Walgreens Inc.						
7270 F. MAIN St.	HWY 68 SUNO,	03 4	twy 87			
Woodland, CA 95776 (539) 406-7771	SUNO!	c4	II O EDAIDA	lumba.		
6. Transporter 1 Company Name			U.S. EPAID		2225	'n
Clean Harbors Environmental Services INC. 7. Transporter 2 Company Name			U.S. EPA ID N		0.00	
Clear Andrew In for			rand	1030	32	D
8. Designated Facility Name and Site Address			CADO		11210	
Clear HARBORS SAM TOSE LLC.			CHOO	1776	7310	
1021 BERRYEOBA Rd. 5AN 306E, CA 95133 (408) 441-0962			1			
9a. 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number,	10. Cont	ainers	11. Total	12. Unit	12	Waste Codes
HM and Packing Group (if any))	No.	Туре	Quantity	Wt./Vol.	13.	vvasie Codes
Bla NA 1993. HAZARDOWS WASTE. SOLIOS (CONSAMINATOR	, 13.6.	36	B6.	B.6.	6#	
Doit, LEAVES) RG	10	the state of	7,000	P.		
2 NON RCRA HAZARDOUS WASTE SOLIDS,					(11	
	12	DM	4000	P	611	
(Diesel)				,		
3.						-
4.	- 4	87				
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are marked and labeled/placarded, and are in all respects in proper condition for transport according to applicat Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowled I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity general.	ble international and n dgment of Consent.	ational govern	mental regulations	ipping nam . If export s	e, and are cla hipment and I	ssified, package am the Primary
Generator's/Offeror's Printed/Typed Name  Signa  Bobby Griffin on Behalf of Walgecus			1		Mo	nth Day
16. International Shipments		entry/exit:				
Transporter signature (for exports only):  17. Transporter Acknowledgment of Receipt of Materials	Date lea	aving U.S.:				
Transporter 1 Printed/Typed Name Signa	iture		7		Mo	nth Day
BOBBY GEFFINO	3		-		10	24
Transporter 2 Printed/Typed Name Signa	ature	1			Mo	nth Day
hours a lawy	$\sim$ (	. Ke			-	
	1	No.				1103
18. Discrepancy	Pacidua		Partial Da	ejection		Full Rejecti
18. Discrepancy	Residue		Partial Re	ejection		Full Rejecti
18. Discrepancy Indication Space Quantity Type	Residue  Manifest Referen	nce Number:				Full Rejecti
18. Discrepancy Indication Space Quantity Type		nce Number:	Partial Re			Full Rejecti
18. Discrepancy Indication Space Quantity Type  18b. Alternate Facility (or Generator)		nce Number:				
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18a. Discrepancy Indication Space Quantity Type  18b. Alternate Facility (or Generator)  Facility's Phone:  18c. Signature of Alternate Facility (or Generator)	Manifest Referen				М	
18. Discrepancy  18a. Discrepancy Indication Space Quantity Type  18b. Alternate Facility (or Generator)  Facility's Phone:  18c. Signature of Alternate Facility (or Generator)  19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal,	Manifest Referen				M	
18a. Discrepancy Indication Space Quantity Type  18b. Alternate Facility (or Generator)  Facility's Phone: 18c. Signature of Alternate Facility (or Generator)  19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal,	Manifest Referen		U.S. EPA ID		M	
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# Attachment C Laboratory Analytical Reports





12/05/14



### **Technical Report for**

Cleanharbors-San Jose-Commercial Street

Walgreens Diesel Spill - HWY 84 & HWY 680 Sunol CA

1403217363

Accutest Job Number: C37385

**Sampling Date: 12/01/14** 

#### Report to:

Clean Harbors 1010 Commercial Street San Jose, CA 95112 allred.norman@cleanharbors.com

**ATTN: Chris Allred** 

Total number of pages in report: 16



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Tony Vega 408-588-0200

Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925) DOD ELAP (L-A-B L2242)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.

### **Sections:**

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Section 3: Sample Results	
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<b>3.2:</b> C37385-2: SOIL SAMPLE #1	7
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## **Sample Summary**

Cleanharbors-San Jose-Commercial Street

Job No: C37385

Walgreens Diesel Spill - HWY 84 & HWY 680 Sunol CA Project No: 1403217363

Sample	Collected		Matrix	Client
Number	<b>Date</b> Time	By Received	Code Type	Sample ID
C37385-1	12/01/14 10:20	BG 12/01/14	AQ Water	WATER SAMPLE #1
C37385-2	12/01/14 10:20	BG 12/01/14	SO Soil	SOIL SAMPLE #1



Page 1 of 1

# **Summary of Hits Job Number:** C37385

Cleanharbors-San Jose-Commercial Street Account:

**Project:** Walgreens Diesel Spill - HWY 84 & HWY 680 Sunol CA

**Collected:** 12/01/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C37385-1	WATER SAMPL	E #1				
TPH (C10-C28)		0.349	0.098	0.025	mg/l	SW846 8015B M
C37385-2	SOIL SAMPLE #	1				
TPH (C10-C28)		283	100	25	mg/kg	SW846 8015B M



Sample Results	
D	
Report of Analysis	

#### Page 1 of 1

### **Report of Analysis**

Client Sample ID: WATER SAMPLE #1

 Lab Sample ID:
 C37385-1
 Date Sampled:
 12/01/14

 Matrix:
 AQ - Water
 Date Received:
 12/01/14

 Method:
 SW846 8015B M SW846 3510C
 Percent Solids:
 n/a

Project: Walgreens Diesel Spill - HWY 84 & HWY 680 Sunol CA

File ID DF **Analytical Batch** Analyzed By **Prep Date Prep Batch** Run #1 HH319287.D 1 12/01/14 AG 12/01/14 OP11296 GHH1413 Run #2

Run #1 Initial Volume Final Volume
1020 ml 1.0 ml

Run #2

#### **TPH Extractable**

CAS No.	Compound	Result	RL	MDL	MDL Units	
	TPH (C10-C28)	0.349	0.098	0.025	mg/l	
CAS No. Surrogate Recoveries		Run# 1	Run# 2	Run# 2 Lim		
630-01-3	Hexacosane	84%		32-1	24%	

ND = Not detected MDL = Method Detection Limit J = Indicates the substitution of the substitution of

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound



C

### **Report of Analysis**

Page 1 of 1

Client Sample ID: SOIL SAMPLE #1

 Lab Sample ID:
 C37385-2
 Date Sampled:
 12/01/14

 Matrix:
 SO - Soil
 Date Received:
 12/01/14

 Method:
 SW846 8015B M
 SW846 3550B
 Percent Solids:
 n/a a

Project: Walgreens Diesel Spill - HWY 84 & HWY 680 Sunol CA

10.0 ml

File ID DF **Analytical Batch** Analyzed By **Prep Date Prep Batch** Run #1 HH319274.D 3 12/01/14 AG 12/01/14 OP11297 GHH1413 Run #2

Initial Weight Final Volume

30.0 g

Run #1 Run #2

#### **TPH Extractable**

CAS No. Compound RLUnits Result MDL Q TPH (C10-C28) 283 100 25 mg/kg CAS No. **Surrogate Recoveries** Run#1 Run# 2 Limits 630-01-3 Hexacosane 120% 37-122%

(a) All results reported on a wet weight basis.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound



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Misc.	Forms
111100.	1 011110

Custody Documents and Other Forms

Includes the following where applicable:

· Chain of Custody



Committee   Comm		CHAIN OF CUSTODY		
Client Harpoting Information   Project Inf			FED EX Tracking 8	Bottle Order Control #
Clear Harbor's   Project Information   Pro	ACCUTES	⊕ (408) 588-0200 FAX: (408) 588-0201	Accutest Guote #	Accutest NC Job #: C 273.95
Compared from the following of the follo				
Interest India Commercial St. State	Company Name			WW-Wastewater
Topic Collection    Proper Collection   Proper	1010 Commercial St.		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1
Topic Collection    Proper Collection   Proper	City State Zip	sunol CA	17	
Samples Village  Collection  C	Project Contact:	1403217363	E	UO - Non-equitous Uq/
Controlled   Con	i	allved, norm an @ Blougharbox	car #	AJR
Acculant Sample ID   Field Point   Point of Collection	Babby Griffin	CHERT PUTCHASE OTAET #	ω	Dyl- Dyning Water (Pentitorata Orly)
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Approved By J Date:    Commercial "A" - Results with QC summariles   Solay				
10 Day   Commercial*B*. Results (Q, and chemategrams   50 as				Millerman's
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	3 .	13 [4	pproprista Bostila Peras. YIH Headspace YIH	Gnke VIR) Cooler Trang
	5			

C37385: Chain of Custody Page 1 of 2





#### **Accutest Laboratories Sample Receipt Summary**

Accutest Job Number:	C37385	Clien	: CLEAN HA	RBORS		Project: WALGREENS	DEISEL SP	ILL	
Date / Time Received: 1	2/1/2014	12:00:00 PM	Delivery M	lethod:	Client	Airbill #'s:			
Cooler Temps (Initial/Adju	ısted): <u>#</u>	1: (14.5/14.5);							
Cooler Security	Y or N	<u>l_</u>		Y or N	Sample Integrity	/ - Documentation	<u>Y</u>	or N	
1. Custody Seals Present:		<b>Z</b> 3. COC I		$\checkmark$	Sample labels p	present on bottles:	<b>✓</b>		
2. Custody Seals Intact:		4. Smpl Dat	es/Time OK	$\checkmark$	Container labeli	ing complete:	<b>✓</b>		
Cooler Temperature	<u>Y</u>	or N			3. Sample contain	er label / COC agree:	$\checkmark$		
1. Temp criteria achieved:		<b>✓</b>			Sample Integrit	v - Condition	<u>Y</u>	or N	
2. Cooler temp verification:		IR1;	=		Sample recvd w		<b>✓</b>		
3. Cooler media:		No Ice	_		2. All containers a		<b>✓</b>		
4. No. Coolers:		1	_		3. Condition of sar	mple:		Intact	
Quality Control Preservat	tion Y	or N N/	<u> </u>		Sample Integrit	y - Instructions	<u>Y</u>	or N	N/A
Trip Blank present / cooler	_				1. Analysis reque	sted is clear:	<b>V</b>		
2. Trip Blank listed on COC:					2. Bottles receive	d for unspecified tests		<b>✓</b>	
3. Samples preserved proper	rly:				3. Sufficient volur	ne recvd for analysis:	<b>✓</b>		
4. VOCs headspace free:					4. Compositing in	structions clear:			$\checkmark$
					5. Filtering instruc	ctions clear:			✓
Comments									
Accutest Laboratories V:408.588.0200					indy Avenue 3.588.0201				San Jose, CA 95131 www/accutest.com

C37385: Chain of Custody Page 2 of 2





## GC Semi-volatiles

QC Data Summaries

### Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries



**Method:** SW846 8015B M

## **Method Blank Summary**

Job Number: C37385

Account: CLNCASJ Cleanharbors-San Jose-Commercial Street

Project: Walgreens Diesel Spill - HWY 84 & HWY 680 Sunol CA

Sample	File ID	DF		•	Prep Date	•	Analytical Batch
OP11297-MB	HH319285.D	1	12/01/14	AG	12/01/14	OP11297	GHH1413

The QC reported here applies to the following samples:

C37385-2

 CAS No.
 Compound
 Result
 RL
 MDL
 Units
 Q

 TPH (C10-C28)
 ND
 3.3
 0.83
 mg/kg

CAS No. Surrogate Recoveries Limits

630-01-3 Hexacosane 91% 37-122%

**Method:** SW846 8015B M

**Method Blank Summary** 

Job Number: C37385

Account: CLNCASJ Cleanharbors-San Jose-Commercial Street Project: Walgreens Diesel Spill - HWY 84 & HWY 680 Sunol CA

Sample	File ID	DF	Analyzed	By	<b>Prep Date</b>	Prep Batch	<b>Analytical Batch</b>
OP11296-MB	HH319290.D	1	12/01/14	AG	12/01/14	OP11296	GHH1413

Limits

The QC reported here applies to the following samples:

C37385-1

CAS No.

CAS No. Compound Result RLMDL Units Q TPH (C10-C28) ND 0.10 0.025 mg/l

630-01-3 92% 32-124% Hexacosane

**Surrogate Recoveries** 

# 5.2.1

Page 1 of 1

**Method:** SW846 8015B M

### U

## Blank Spike/Blank Spike Duplicate Summary

Job Number: C37385

Account: CLNCASJ Cleanharbors-San Jose-Commercial Street

Project: Walgreens Diesel Spill - HWY 84 & HWY 680 Sunol CA

Sample	File ID	DF	Analyzed	Ву	Prep Date	Prep Batch	Analytical Batch
OP11297-BS	HH319282.D	1	12/01/14	AG	12/01/14	OP11297	GHH1413
OP11297-BSD	HH319283.D	1	12/01/14	AG	12/01/14	OP11297	GHH1413

The QC reported here applies to the following samples:

C37385-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	33.3	28.8	86	27.9	84	3	39-102/29
CAS No.	Surrogate Recoveries	BSP	P BSD		Limits			
630-01-3	Hexacosane	96%	94%		37-122%			



<sup>\* =</sup> Outside of Control Limits.

Page 1 of 1

**Method:** SW846 8015B M

## Blank Spike/Blank Spike Duplicate Summary

Job Number: C37385

Account: CLNCASJ Cleanharbors-San Jose-Commercial Street

Project: Walgreens Diesel Spill - HWY 84 & HWY 680 Sunol CA

Sample OP11296-BS OP11296-BSD	File ID HH319288.D HH319289.D	<b>DF</b> 1 1	<b>Analyzed</b> 12/01/14 12/01/14	By AG AG	Prep Date 12/01/14 12/01/14	Prep Batch OP11296 OP11296	Analytical Batch GHH1413 GHH1413
		-					22222 120

The QC reported here applies to the following samples:

C37385-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD	
	TPH (C10-C28)	1	0.920	92	1.01	101	9	38-115/22	
CAS No.	Surrogate Recoveries	BSP	BS	D	Limits				
630-01-3	Hexacosane	93%	99%	6	32-1249	6			



<sup>\* =</sup> Outside of Control Limits.

**Method:** SW846 8015B M

## Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C37385

Account: CLNCASJ Cleanharbors-San Jose-Commercial Street

Project: Walgreens Diesel Spill - HWY 84 & HWY 680 Sunol CA

Sample	File ID	DF	Analyzed	Ву	Prep Date	Prep Batch	Analytical Batch
OP11297-MS	HH319278.D	5	12/01/14	AG	12/01/14	OP11297	GHH1413
OP11297-MSD	HH319279.D	5	12/01/14	AG	12/01/14	OP11297	GHH1413
C37385-2	HH319274.D	3	12/01/14	AG	12/01/14	OP11297	GHH1413

The QC reported here applies to the following samples:

C37385-2

CAS No.	Compound	C37385-2 mg/kg Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	283	33.3	448	495* a	33.3	497	642* a	10	39-102/29
CAS No.	Surrogate Recoveries	MS	MSD	C37	385-2	Limits				
630-01-3	Hexacosane	66%	87%	120	%	37-122%	)			

(a) Outside control limits due to high level in sample relative to spike amount.



<sup>\* =</sup> Outside of Control Limits.



12/04/14



## Technical Report for

Cleanharbors-San Jose-Commercial Street

Walgreens Diesel Spill - HWY 84 & HWY 680 Sunol CA

1403217363

Accutest Job Number: C37385R

Sampling Date: 12/01/14

#### Report to:

Clean Harbors 1010 Commercial Street San Jose, CA 95112 allred.norman@cleanharbors.com

ATTN: Chris Allred

Total number of pages in report: 16



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Tony Vega 408-588-0200

Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925) DoD ELAP (L-A-B L2242)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.

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<b>3.2:</b> C37385-4: SOIL SAMPLE #2	7
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## **Sample Summary**

Cleanharbors-San Jose-Commercial Street

Job No: C37385R

Walgreens Diesel Spill - HWY 84 & HWY 680 Sunol CA Project No: 1403217363

Sample	Collected			Matr	ix	Client
Number	Date	Time By	Received	Code	Type	Sample ID
C37385-3	12/01/14	10:20 BG	12/01/14	AQ	Water	WATER SAMPLE #2
C37385-4	12/01/14	10:20 BG	12/01/14	SO	Soil	SOIL SAMPLE #2



**Summary of Hits Job Number:** C37385R

Cleanharbors-San Jose-Commercial Street Account:

**Project:** Walgreens Diesel Spill - HWY 84 & HWY 680 Sunol CA

Collected: 12/01/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C37385-3	WATER SAMPL	E #2				
TPH (C10-C28)		0.135	0.095	0.024	mg/l	SW846 8015B M
C37385-4	SOIL SAMPLE #	2				
TPH (C10-C28)		505	170	42	mg/kg	SW846 8015B M



Sample Results	
D	
Report of Analysis	



#### **Report of Analysis**

Client Sample ID: WATER SAMPLE #2

Lab Sample ID: C37385-3 **Date Sampled:** 12/01/14 Matrix: AQ - Water **Date Received:** 12/01/14 Method: SW846 8015B M SW846 3510C Percent Solids: n/a

Walgreens Diesel Spill - HWY 84 & HWY 680 Sunol CA **Project:** 

File ID DF **Analytical Batch** Analyzed By **Prep Date Prep Batch** Run #1 HH319322.D 1 12/03/14 AG 12/03/14 OP11315 GHH1415

Run #2

**Final Volume Initial Volume** 

Run #1 1050 ml 1.0 ml

Run #2

#### **TPH Extractable**

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.135	0.095	0.024	mg/l	
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Lim	its	
630-01-3	Hexacosane	80%		32-1	24%	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound



#### **Report of Analysis**

Client Sample ID: SOIL SAMPLE #2

 Lab Sample ID:
 C37385-4
 Date Sampled:
 12/01/14

 Matrix:
 SO - Soil
 Date Received:
 12/01/14

 Method:
 SW846 8015B M
 SW846 3550B
 Percent Solids:
 n/a a

Project: Walgreens Diesel Spill - HWY 84 & HWY 680 Sunol CA

File ID DF **Analytical Batch** Analyzed By **Prep Date Prep Batch** Run #1 GG56360.D 5 12/03/14 NN 12/03/14 OP11309 GGG1620 Run #2

Run #1 Initial Weight Final Volume 10.0 ml

Run #2

#### **TPH Extractable**

CAS No. Compound RLUnits Result MDL Q TPH (C10-C28) 42 505 170 mg/kg CAS No. **Surrogate Recoveries** Run#1 Run# 2 Limits 630-01-3 Hexacosane 118% 37-122%

(a) All results reported on a wet weight basis.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound



C

Page 1 of 1



3 6.	-
Misc	Forms

**Custody Documents and Other Forms** 

Includes the following where applicable:

· Chain of Custody



	CHAIN OF C	USTODY		
	2105 Lundy Ave, San Jos	FED EX Tracking #	Bolde Order Control #	
ACCUTES	(408) 588-0200 FAX: (	Accutest Guote 8	Accutest NC Job #: C 273.85	
LABORATOR	I E B	100 CONTRACTOR OF THE PROPERTY OF		ested Analysis   Mairix Codes
Company Harbors Address	Project Hamo: Walgreens		(Jasan	WW-Wastewater GW-Ground-Water SW-Surface Water
City Commercial St.	Super Hwy BA-A H	twy 680	9/10	\$0.801
San Jose CA 95112	Sunol	<u>C4</u>	1-4	01-04 WP-1/15a
Phone #	1 140321736	3	4	UG-Ronagreous Ug/A
1	allved, norman	a Blougharboxs	car #	AR
Samplers's Hame Babby Griffin	Collection N	lumber of preserved Bottles	Δ <del>Υ</del>	DIV Draing Water (Perditorate Only)
Acculest Sample ID / Field Point / Point of Collection Date	Time Sampled by Matrix bottles	MACON MACON MICCH		LAB USE ONLY
	10:20 B6 6 1		X -1	
11 11 #2 12114	10:20 B6 L 1		X -3	
	10:20aB6 S 1		x - 2	
11 1/ #2 12/14	10:201BB S 1		× -4	
ħ.		444444		
Turnsround Time (Business days)	Data Delverat/a Inform	nation		Michael Committee Committe
Approved By Date				
10 Day	Commercial "B" - Results with Commercial "B" - Results, Q			
3 Day	FULTS - Level 4 data package			
20ay	EDF for Geotracker	EDD Format		
Samo Day	Provide EDF Global ID			
Emergency T/A data available VIA Lablink			and the second s	
' Sample Custody must be docu Reliaguished by Sample: Date Time:	nented below each time samples change	possession, including courier del [Relinquished By:	Very. [Date Time:	Received By:
1214	1Lew Jan -	2	· · · · · · · · · · · · · · · · · · ·	2
ReSinguist Obje Time:	Received By:	Relinquished By:	Date Time:	Received By:
3 Relinquished by: Date Time:	Received By:	Custody Seal # A	spropristo Bottla I Pres. Y I H Headspace Y I H	Onke V(N) Cooler Trong
5	5	L	bels match Coc? Y I H Separate Receiving (	CheckListused: Y/N 14.5 /14.5

C37385R: Chain of Custody

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#### **Accutest Laboratories Sample Receipt Summary**

Accutest Job Number:	C37385	Client	: CLEAN HARBORS	S	Project: WALGREENS	DEISEL SPI	LL	
Date / Time Received:	12/1/2014	12:00:00 PM	Delivery Method:	: Client	Airbill #'s:			
Cooler Temps (Initial/Ad	justed): #	1: (14.5/14.5);						
Cooler Security  1. Custody Seals Present: 2. Custody Seals Intact:	Y or N	3. COC F	Present:	1. Sample la	egrity - Documentation bels present on bottles: labeling complete:	<u>Y</u>	or N	
Cooler Temperature	Υ	or N			ontainer label / COC agree:	<b>✓</b>		
1. Temp criteria achieved: 2. Cooler temp verification: 3. Cooler media: 4. No. Coolers:		IR1; No Ice	- - -	1. Sample re	egrity - Condition  cvd within HT:  ers accounted for:  of sample:	<ul><li>✓</li><li>✓</li></ul>	or N	
Quality Control Preserv	ation Y	or N N/A	<u>\</u>		egrity - Instructions	Y	or N	N/A
1. Trip Blank present / cool	er:				requested is clear:	<u>.                                    </u>		<u> </u>
2. Trip Blank listed on COC	):			,	ceived for unspecified tests		<b>✓</b>	
3. Samples preserved prop	erly:			3. Sufficient	volume recvd for analysis:	<u>~</u>		
4. VOCs headspace free:				4. Composit	ing instructions clear:			<b>~</b>
				5. Filtering i	nstructions clear:			✓
Comments				240E Lundy Avenue				Son Jose CA 05124
Accutest Laboratories V:408.588.0200				2105 Lundy Avenue F: 408.588.0201				San Jose, CA 95131 www/accutest.com

C37385R: Chain of Custody

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## GC Semi-volatiles

QC Data Summaries

#### Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries



**Method:** SW846 8015B M

#### **Method Blank Summary**

Job Number: C37385R

Account: CLNCASJ Cleanharbors-San Jose-Commercial Street

Project: Walgreens Diesel Spill - HWY 84 & HWY 680 Sunol CA

Sample	File ID	DF	Analyzed	By	<b>Prep Date</b>	Prep Batch	Analytical Batch
OP11309-MB	GG56345.D	1	12/02/14	NN	12/02/14	OP11309	GGG1620

The QC reported here applies to the following samples:

C37385-4

 CAS No.
 Compound
 Result
 RL
 MDL
 Units
 Q

 TPH (C10-C28)
 ND
 3.3
 0.83
 mg/kg

CAS No. Surrogate Recoveries Limits

630-01-3 Hexacosane 120% 37-122%

**Method:** SW846 8015B M

#### **Method Blank Summary**

Job Number: C37385R

Account: CLNCASJ Cleanharbors-San Jose-Commercial Street **Project:** Walgreens Diesel Spill - HWY 84 & HWY 680 Sunol CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	<b>Analytical Batch</b>
OP11315-MB	HH319326.D	1	12/03/14	AG	12/03/14	OP11315	GHH1415

The QC reported here applies to the following samples:

C37385-3

CAS No. Compound Result RLMDL Units Q TPH (C10-C28) ND 0.10 0.025 mg/l

CAS No. **Surrogate Recoveries** Limits 630-01-3 77% 32-124% Hexacosane



**Method:** SW846 8015B M

## Blank Spike/Blank Spike Duplicate Summary

Job Number: C37385R

Account: CLNCASJ Cleanharbors-San Jose-Commercial Street Walgreens Diesel Spill - HWY 84 & HWY 680 Sunol CA **Project:** 

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	<b>Analytical Batch</b>
OP11309-BS	GG56346.D	1	12/02/14	NN	12/02/14	OP11309	GGG1620
OP11309-BSD	GG56347.D	1	12/02/14	NN	12/02/14	OP11309	GGG1620

The QC reported here applies to the following samples:

C37385-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	33.3	28.0	84	27.7	83	1	39-102/29
CAS No.	Surrogate Recoveries	BSP	BSE	•	Limits			
630-01-3	Hexacosane	116%	1109	%	37-122%			

<sup>\* =</sup> Outside of Control Limits.

**Method:** SW846 8015B M

## Blank Spike/Blank Spike Duplicate Summary

Job Number: C37385R

Account: CLNCASJ Cleanharbors-San Jose-Commercial Street

Project: Walgreens Diesel Spill - HWY 84 & HWY 680 Sunol CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	<b>Analytical Batch</b>
OP11315-BS	HH319324.D	1	12/03/14	AG	12/03/14	OP11315	GHH1415
OP11315-BSD	HH319325.D	1	12/03/14	AG	12/03/14	OP11315	GHH1415

The QC reported here applies to the following samples:

C37385-3

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	1	0.871	87	0.847	85	3	38-115/22
CAS No.	Surrogate Recoveries	BSP	BSI	)	Limits			
630-01-3	Hexacosane	92%	89%	ó	32-124%	ó		



<sup>\* =</sup> Outside of Control Limits.

# 5.3.1

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**Method:** SW846 8015B M

# 45

## Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C37385R

Account: CLNCASJ Cleanharbors-San Jose-Commercial Street

Project: Walgreens Diesel Spill - HWY 84 & HWY 680 Sunol CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	<b>Analytical Batch</b>
OP11309-MS	GG56358.D	1	12/03/14	NN	12/03/14	OP11309	GGG1620
OP11309-MSD	GG56359.D	1	12/03/14	NN	12/03/14	OP11309	GGG1620
C37427-1	GG56355.D	1	12/03/14	NN	12/02/14	OP11309	GGG1620

The QC reported here applies to the following samples:

C37385-4

CAS No.	Compound	C37427-1 mg/kg Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	6.69	33.2	33.8	82	33.2	35.4	86	5	39-102/29
CAS No.	Surrogate Recoveries	MS	MSD	C37	7427-1	Limits				
630-01-3	Hexacosane	110%	115%	116	i%	37-122%	6			



<sup>\* =</sup> Outside of Control Limits.