

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

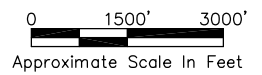
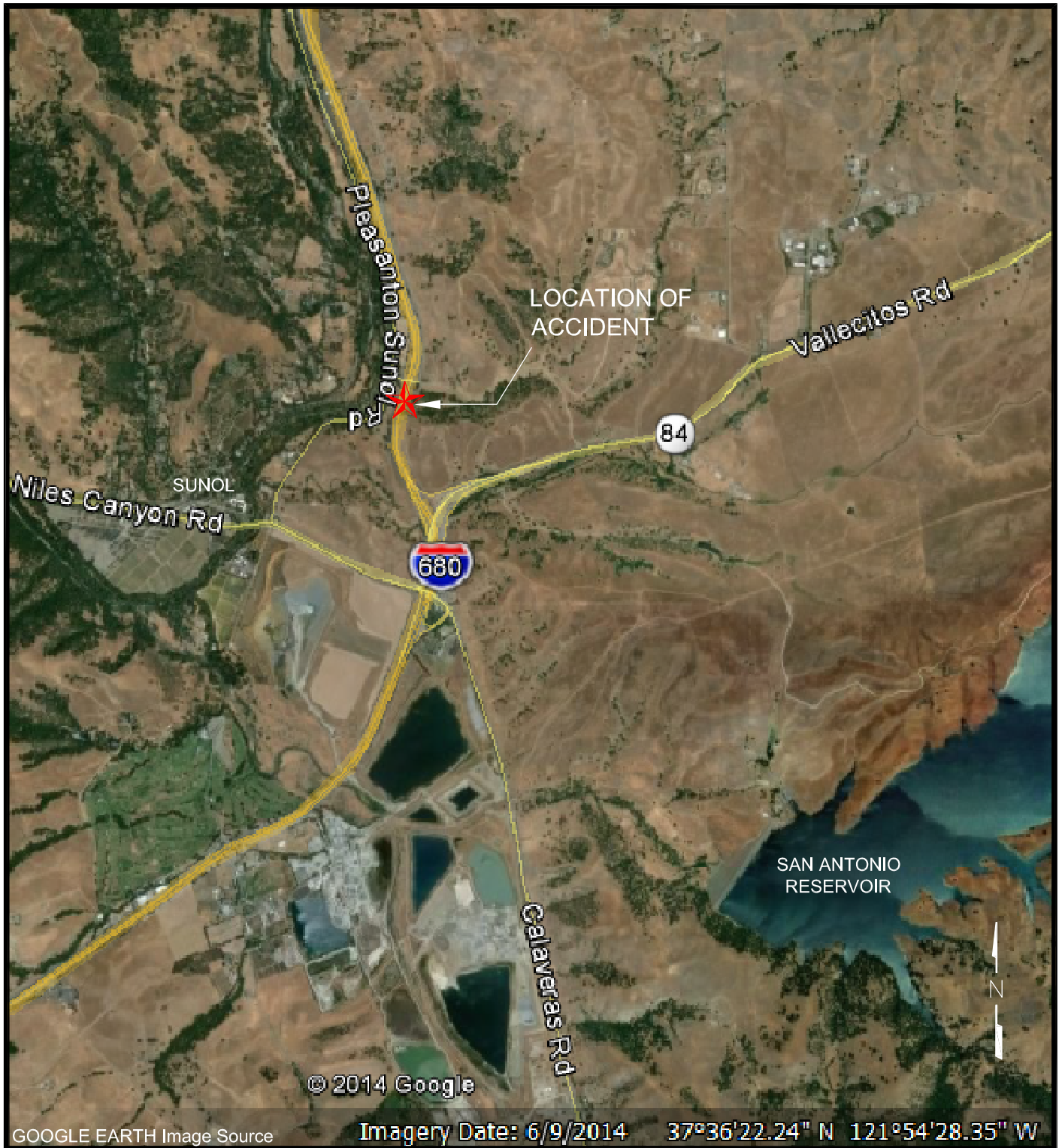
Certification

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

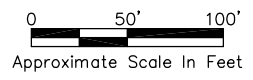
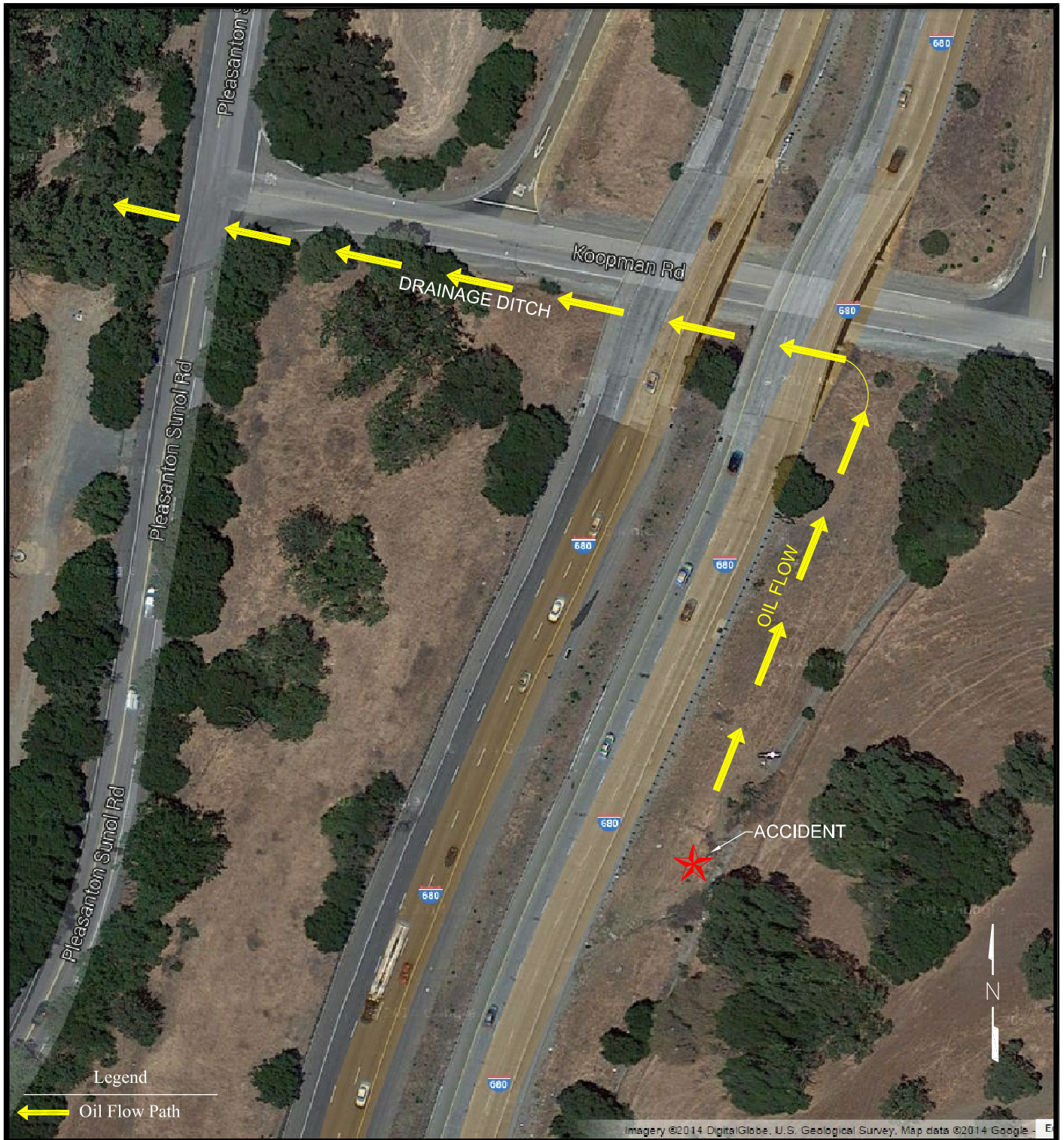


740 CH Walgreens.dwg



740 CH Walgreens.DWG
0
January, 2015
400-740-5-3

FIGURE 1
ACCIDENT LOCATION MAP
WALGREENS
SUNOL, CA



GOOGLE EARTH Image Source Imagery Date 6/9/2014



740 CH Walgreens.DWG
0
January, 2015
400-740-5-3

FIGURE 2
OIL FLOW PATH
WALGREENS
SUNOL, CA

740 CH Walgreens.dwg



0 20' 40'
Approximate Scale In Feet

740 CH Walgreens.dwg



740 CH Walgreens.DWG
0
January, 2015
400-740-5-3

FIGURE 3
BOOM DEPLOYMENT AND SAMPLE LOCATIONS
WALGREENS
SUNOL, CA

Attachment A Waste Profiles



WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH911175

A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # **PENDING** GENERATOR NAME: **Walgreens**
 GENERATOR CODE (Assigned by Clean Harbors) **WA37445** CITY **Sunol** STATE/PROVINCE **CA** ZIP/POSTAL CODE **94568**
 ADDRESS **Northbound Hwy 680 at Hwy 84** PHONE: **(530) 406-7771**
 CUSTOMER CODE (Assigned by Clean Harbors) **WA37445** CUSTOMER NAME: **Walgreens**
 ADDRESS **Northbound Hwy 680 at Hwy 84** CITY **Sunol** STATE/PROVINCE **CA** ZIP/POSTAL CODE **94568**

B. WASTE DESCRIPTION

WASTE DESCRIPTION: **Diesel Contaminated Soil and Debris**

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)

PHYSICAL STATE <input checked="" type="checkbox"/> SOLID WITHOUT FREE LIQUID POWDER MONOLITHIC SOLID LIQUID WITH NO SOLIDS LIQUID/SOLID MIXTURE % FREE LIQUID % SETTLED SOLID % TOTAL SUSPENDED SOLID SLUDGE GAS/AEROSOL	NUMBER OF PHASES/LAYERS 1 2 3 TOP 0.00 % BY VOLUME (Approx.) MIDDLE 0.00 BOTTOM 0.00			VISCOSITY (If liquid present) 1 - 100 (e.g. Water) 101 - 500 (e.g. Motor Oil) 501 - 10,000 (e.g. Molasses) > 10,000		COLOR Brown	
	ODOR NONE <input checked="" type="checkbox"/> MILD STRONG Describe:		BOILING POINT °F (°C) <= 95 (<=35) 95 - 100 (35-38) 101 - 129 (38-54) >= 130 (>54)		MELTING POINT °F (°C) < 140 (<60) 140-200 (60-93) <input checked="" type="checkbox"/> > 200 (>93)		TOTAL ORGANIC CARBON <= 1% <input checked="" type="checkbox"/> 1-9% >= 10%
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 <input checked="" type="checkbox"/> 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) <input checked="" type="checkbox"/> > 1.2 (e.g. Methylene Chloride)		ASH < 0.1 0.1 - 1.0 1.1 - 5.0 5.1 - 20.0 <input checked="" type="checkbox"/> Unknown > 20		BTU/LB (MJ/kg) <input checked="" type="checkbox"/> < 2,000 (<4.6) 2,000-5,000 (4.6-11.6) 5,000-10,000 (11.6-23.2) > 10,000 (>23.2) 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	0.0000000	10.0000000	%
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" LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? YES NO

If yes, describe, including dimensions:

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM? YES NO

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING; ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL? YES NO

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

The waste was never exposed to potentially infectious material. YES NO

Chemical disinfection or some other form of sterilization has been applied to the waste. YES NO

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS. YES NO

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED. YES NO

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE. **G39** SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE. **W301**



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 Spill

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.

Table with columns: RCRA, REGULATED METALS, REGULATORY LEVEL (mg/l), TCLP mg/l, TOTAL, UOM, NOT APPLICABLE. Rows include ARSENIC, BARIUM, CADMIUM, CHROMIUM, LEAD, MERCURY, SELENIUM, SILVER, VOLATILE COMPOUNDS (BENZENE, CARBON TETRACHLORIDE, etc.), SEMI-VOLATILE COMPOUNDS (o-CRESOL, m-CRESOL, etc.), PESTICIDES AND HERBICIDES (ENDRIN, LINDANE, etc.).

HOCs: NONE < 1000 PPM, >= 1000 PPM. PCBs: NONE < 50 PPM, >=50 PPM. IF PCBs ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761? YES NO

ADDITIONAL 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



F. REGULATORY STATUS

YES NO USEPA HAZARDOUS WASTE?

YES NO DO ANY STATE WASTE CODES APPLY?
611
 Texas Waste Code

YES NO DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?

YES NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?
 LDR CATEGORY: **Not subject to LDR**
 VARIANCE INFO:

YES NO IS THIS A UNIVERSAL WASTE?

YES NO IS THE GENERATOR OF THE WASTE CLASSIFIED AS CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR (CESQG)?

YES NO IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?

YES NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

YES NO IS THIS WASTE STREAM SUBJECT TO THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268.3(C)?

YES NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?

YES NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?

YES NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 77 KPA (11.2 PSIA)?

YES NO IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?

YES NO IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?
 Hazardous Organic NESHAP (HON) rule (subpart G) Pharmaceuticals production (subpart GGG)

YES NO IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?
 YES NO Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?
 YES NO Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) >10 Mg/year?
 What is the TAB quantity for your facility? Megagram/year (1 Mg = 2,200 lbs)
 The basis for this determination is: Knowledge of the Waste Or Test Data Knowledge Testing
 Describe the knowledge :

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:
NON RCRA HAZARDOUS WASTE SOLIDS, (DIESEL)

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY OTHER

<input checked="" type="checkbox"/> CONTAINERIZED 1-100 CONTAINERS/SHIPMENT STORAGE CAPACITY: 100 CONTAINER TYPE: CUBIC YARD BOX PALLET TOTE TANK <input checked="" type="checkbox"/> DRUM OTHER: DRUM SIZE: 55	BULK LIQUID GALLONS/SHIPMENT: 0 Min - 0 Max GAL.	BULK SOLID SHIPMENT UOM: TON YARD TONS/YARDS/SHIPMENT: 0 Min - 0 Max
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I. SPECIAL REQUEST

COMMENTS OR REQUESTS:

GENERATOR'S CERTIFICATION

I certify that I am authorized to execute this document as an authorized agent. I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE

NAME (PRINT)

TITLE

DATE



WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH914137B

A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # **CAC002794766** GENERATOR NAME: **Walgreens**
 GENERATOR CODE (Assigned by Clean Harbors) **WA37445** CITY **Sunol** STATE/PROVINCE **CA** ZIP/POSTAL CODE **94568**
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B. WASTE DESCRIPTION

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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)

PHYSICAL STATE <input checked="" type="checkbox"/> SOLID WITHOUT FREE LIQUID POWDER MONOLITHIC SOLID LIQUID WITH NO SOLIDS LIQUID/SOLID MIXTURE % FREE LIQUID % SETTLED SOLID % TOTAL SUSPENDED SOLID SLUDGE GAS/AEROSOL	NUMBER OF PHASES/LAYERS 1 2 3 TOP 0.00 % BY VOLUME (Approx.) MIDDLE 0.00 BOTTOM 0.00			VISCOSITY (If liquid present) 1 - 100 (e.g. Water) 101 - 500 (e.g. Motor Oil) 501 - 10,000 (e.g. Molasses) > 10,000		COLOR Brown	
	ODOR NONE <input checked="" type="checkbox"/> MILD STRONG Describe:		BOILING POINT °F (°C) <= 95 (<=35) 95 - 100 (35-38) 101 - 129 (38-54) >= 130 (>54)		MELTING POINT °F (°C) < 140 (<60) 140-200 (60-93) <input checked="" type="checkbox"/> > 200 (>93)		TOTAL ORGANIC CARBON <= 1% <input checked="" type="checkbox"/> 1-9% >= 10%
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CHEMICAL	MIN	--	MAX	UOM
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DIESEL	0.0000000	--	10.0000000	%
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" LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? YES NO

If yes, describe, including dimensions:

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM? YES NO

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING; ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL? YES NO

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

The waste was never exposed to potentially infectious material. YES NO

Chemical disinfection or some other form of sterilization has been applied to the waste. YES NO

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS. YES NO

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED. YES NO

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE. **G39**

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Diesel Spill

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Table with columns: RCRA, REGULATED METALS, REGULATORY LEVEL (mg/l), TCLP mg/l, TOTAL, UOM, NOT APPLICABLE. Rows include ARSENIC, BARIUM, CADMIUM, CHROMIUM, LEAD, MERCURY, SELENIUM, SILVER, VOLATILE COMPOUNDS (BENZENE, CARBON TETRACHLORIDE, etc.), SEMI-VOLATILE COMPOUNDS (o-CRESOL, m-CRESOL, etc.), PESTICIDES AND HERBICIDES (ENDRIN, LINDANE, etc.).

HOCs: NONE < 1000 PPM, >= 1000 PPM. PCBs: NONE < 50 PPM, >=50 PPM. IF PCBs ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761? YES NO

ADDITIONAL 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, POLYMERIZABLE, EXPLOSIVE, RADIOACTIVE, FUMING, REACTIVE MATERIAL, OSHA REGULATED CARCINOGENS, NONE OF THE ABOVE



F. REGULATORY STATUS

YES NO USEPA HAZARDOUS WASTE?

YES NO DO ANY STATE WASTE CODES APPLY?
611
 Texas Waste Code

YES NO DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?

YES NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?
 LDR CATEGORY: **Not subject to LDR**
 VARIANCE INFO:

YES NO IS THIS A UNIVERSAL WASTE?

YES NO IS THE GENERATOR OF THE WASTE CLASSIFIED AS CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR (CESQG)?

YES NO IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?

YES NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

YES NO IS THIS WASTE STREAM SUBJECT TO THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268.3(C)?

YES NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?

YES NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?

YES NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 77 KPA (11.2 PSIA)?

YES NO IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?

YES NO IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?
 Hazardous Organic NESHAP (HON) rule (subpart G) Pharmaceuticals production (subpart GGG)

YES NO IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?
 YES NO Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?
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 What is the TAB quantity for your facility? Megagram/year (1 Mg = 2,200 lbs)
 The basis for this determination is: Knowledge of the Waste Or Test Data Knowledge Testing
 Describe the knowledge :

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:
NON RCRA HAZARDOUS WASTE SOLIDS, (DIESEL)

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY OTHER

CONTAINERIZED	BULK LIQUID	<input checked="" type="checkbox"/> BULK SOLID
<u>0-0</u> CONTAINERS/SHIPMENT	GALLONS/SHIPMENT: 0 Min -0 Max GAL.	SHIPMENT UOM: <input checked="" type="checkbox"/> TON YARD
STORAGE CAPACITY:		TONS/YARDS/SHIPMENT: 1.00 Min - 100.00 Max
CONTAINER TYPE:		
CUBIC YARD BOX PALLET		
TOTE TANK DRUM		
OTHER: DRUM SIZE:		

I. SPECIAL REQUEST

COMMENTS OR REQUESTS:

GENERATOR'S CERTIFICATION

I certify that I am authorized to execute this document as an authorized agent. I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE

NAME (PRINT)

TITLE

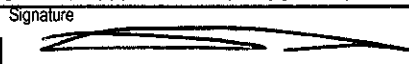
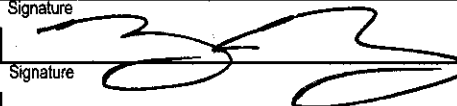
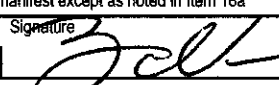
DATE

Attachment B
Hazardous Waste Manifests

JO# 1403217363

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CAC 002794766	2. Page 1 of 1	3. Emergency Response Phone (530) 406-7771	4. Manifest Tracking Number 007028660 FLE		
5. Generator's Name and Mailing Address WALGREENS INC. 2370 E MAIN ST. WOODLAND, CA 95716 (530)406-7771				Generator's Site Address (if different than mailing address) HWY 680 & HWY 84 SUNOL, CA			
6. Transporter 1 Company Name CLEAN HARBORS ENVIRONMENTAL SERVICES					U.S. EPA ID Number MAD 039322250		
7. Transporter 2 Company Name					U.S. EPA ID Number		
8. Designated Facility Name and Site Address CLEAN HARBORS SAN JOSE LLC 1021 BERRYESSA RD SAN JOSE, CA 95133 (408) 441-0962					U.S. EPA ID Number CAD059494310		
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
			No.	Type			
	1 NON RCRA HAZARDOUS WASTE SOLIDS, (DIESEL)		31	DM	11,200	P.	611
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information CH 91175							
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 ON BEHALF OF WALGREENS					Signature 		Month Day Year 11 26 14
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name BOBBY GRIFFIN					Signature 		Month Day Year 11 26 14
Transporter 2 Printed/Typed Name					Signature		Month Day Year
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number:							
18b. Alternate Facility (or Generator)					U.S. EPA ID Number		
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)					Month Day Year		
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.	2.	3.	4.				
H114							
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name BOBBY VALENZUELA					Signature 		Month Day Year 12 5 14

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number CAG002794766	2. Page 1 of 1	3. Emergency Response Phone (800) 483-3718	4. Manifest Tracking Number 008143826 FLE
---	---	-----------------------	--	---

5. Generator's Name and Mailing Address: **Walgreens**
2370 East Main Street
Woodland, CA 95776
 Generator's Phone: _____

Generator's Site Address (if different than mailing address):
Northbound Hwy 680 at Hwy 84
Sunol, CA 94568

6. Transporter 1 Company Name: **Denbest Transportation**
 U.S. EPA ID Number: **CAD982513632**

7. Transporter 2 Company Name: _____
 U.S. EPA ID Number: _____

8. Designated Facility Name and Site Address:
Clean Harbors Buttonwillow LLC
2500 West Lokem Road
Buttonwillow, CA 93206
 Facility's Phone: **(661) 792-8200**

U.S. EPA ID Number: **CAD980675276**

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
1.	NON RCRA HAZARDOUS WASTE SOLIDS, (DIESEL)	001	CM	20	Y	011		
2.								
3.								
4.								

14. Special Handling Instructions and Additional Information:
1. CH914137B
BIN 251404

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/Offor's Printed/Typed Name: **OW behalf of Walgreens** Signature: **OW behalf of Walgreens** Month: **12** Day: **8** Year: **14**

16. International Shipments: Import to U.S. Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: **Mike Gudley** Signature: _____ Month: **12** Day: **8** Year: **14**

Transporter 2 Printed/Typed Name: _____ Signature: _____ Month: _____ Day: _____ Year: _____

18. Discrepancy

18a. Discrepancy Indication Space: Quantity Type Residue Partial Rejection Full Rejection

18b. Alternate Facility (or Generator): _____ Manifest Reference Number: _____ U.S. EPA ID Number: _____

Facility's Phone: _____

18c. Signature of Alternate Facility (or Generator): _____ Month: _____ Day: _____ Year: _____

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)


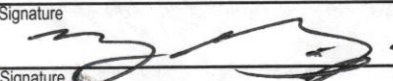
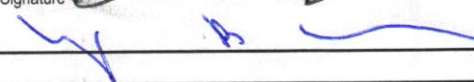
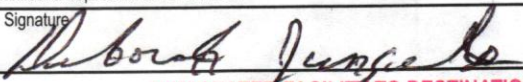
1. **H132** 2. _____ 3. _____ 4. _____

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: **Fredric Leuthart** Signature: _____ Month: **12** Day: **8** Year: **14**

GENERATOR
INTL
TRANSPORTER
DESIGNATED FACILITY

1403217363

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CAC 002794766	2. Page 1 of 1	3. Emergency Response Phone (530) 406-7771	4. Manifest Tracking Number 007031229 FLE		
5. Generator's Name and Mailing Address Walgreens Inc. 2370 E. MAIN ST. Woodland, CA 95776 (530) 406-7771			Generator's Site Address (if different than mailing address) HWY 680 & HWY 84 SUNOL, CA				
6. Transporter 1 Company Name Clean Harbors Environmental Services Inc.			U.S. EPA ID Number MAD 039322250				
7. Transporter 2 Company Name <i>Clean Harbors Env Svcs</i>			U.S. EPA ID Number <i>MAD039322250</i>				
8. Designated Facility Name and Site Address Clean Harbors San Jose LLC. 1021 BERRYCOBA RD. SAN JOSE, CA 95133 (408) 441-0962			U.S. EPA ID Number CAD059494310				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
			No.	Type			
	B6	HAZARDOUS WASTE SOLIDS (contaminated soil, leaves) B6.	12 12	DM B6	4000 4000	6H P	
		2. NON RCRA HAZARDOUS WASTE SOLIDS, (Diesel)	12	DM	4000	P	6H
14. Special Handling Instructions and Additional Information Bio. Pending 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 BOBBY GRIFFIN on Behalf of Walgreens			Signature 		Month 11	Day 24	Year 14
TRANSPORTER INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name BOBBY GRIFFIN			Signature 		Month 11	Day 24
Transporter 2 Printed/Typed Name <i>Daphne S. Dahn</i>			Signature 		Month 11	Day 25	Year 14
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Manifest Reference Number: _____						
	18b. Alternate Facility (or Generator)			U.S. EPA ID Number			
	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, and recycling systems)							
1. _____		2. H141		3. _____		4. _____	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name Deborah Jungels			Signature 		Month 12	Day 03	Year 14

Attachment C
Laboratory Analytical Reports

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)

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Test results relate only to samples analyzed.

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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 Number	Collected Date	Time By	Received	Matrix Code	Type	Client 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

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: C37385
Account: Cleanharbors-San Jose-Commercial Street
Project: Walgreens Diesel Spill - HWY 84 & HWY 680 Sunol CA
Collected: 12/01/14

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C37385-1	WATER SAMPLE #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

Report of Analysis

Report of Analysis

3.1
3

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	

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

Run #	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.349	0.098	0.025	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	84%		32-124%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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3

Client Sample ID: SOIL SAMPLE #1	Date Sampled: 12/01/14
Lab Sample ID: C37385-2	Date Received: 12/01/14
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015B M SW846 3550B	
Project: Walgreens Diesel Spill - HWY 84 & HWY 680 Sunol CA	

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

Run #	Initial Weight	Final Volume
Run #1	30.0 g	10.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	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 J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C37385 **Client:** CLEAN HARBORS **Project:** WALGREENS DEISEL SPILL
Date / Time Received: 12/1/2014 12:00:00 PM **Delivery Method:** Client **Airbill #'s:**
Cooler Temps (Initial/Adjusted): #1: (14.5/14.5):

<u>Cooler Security</u>		<u>Y or N</u>		<u>Y or N</u>	
1. Custody Seals Present:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Custody Seals Intact:	<input type="checkbox"/>	<input type="checkbox"/>	4. SmpI Dates/Time OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<u>Cooler Temperature</u>		<u>Y or N</u>	
1. Temp criteria achieved:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Cooler temp verification:	IR1;		
3. Cooler media:	No Ice		
4. No. Coolers:	1		

<u>Quality Control Preservation</u>			
	<u>Y</u>	<u>or</u>	<u>N/A</u>
1. Trip Blank present / cooler:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Trip Blank listed on COC:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Samples preserved properly:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. VOCs headspace free:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

<u>Sample Integrity - Documentation</u>		<u>Y or N</u>	
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Container labeling complete:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

<u>Sample Integrity - Condition</u>		<u>Y or N</u>	
1. Sample recvd within HT:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. All containers accounted for:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Condition of sample:	Intact		

<u>Sample Integrity - Instructions</u>			
	<u>Y</u>	<u>or</u>	<u>N/A</u>
1. Analysis requested is clear:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Sufficient volume recvd for analysis:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments

4.1
4

GC Semi-volatiles

5

QC Data Summaries

Includes the following where applicable:

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

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	Prep Date	Prep Batch	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:

Method: SW846 8015B M

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 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	Prep Date	Prep Batch	Analytical Batch
OP11296-MB	HH319290.D	1	12/01/14	AG	12/01/14	OP11296	GHH1413

The QC reported here applies to the following samples:

Method: SW846 8015B M

C37385-1

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

CAS No.	Surrogate Recoveries	Limits
630-01-3	Hexacosane	92% 32-124%

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	By	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:

Method: SW846 8015B M

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	BSD	Limits
630-01-3	Hexacosane	96%	94%	37-122%

* = Outside of Control Limits.

5.2.1
5

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	By	Prep Date	Prep Batch	Analytical Batch
OP11296-BS	HH319288.D	1	12/01/14	AG	12/01/14	OP11296	GHH1413
OP11296-BSD	HH319289.D	1	12/01/14	AG	12/01/14	OP11296	GHH1413

The QC reported here applies to the following samples:

Method: SW846 8015B M

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	BSD	Limits
630-01-3	Hexacosane	93%	99%	32-124%

* = Outside of Control Limits.

5.2.2
 5

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	By	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:

Method: SW846 8015B M

C37385-2

CAS No.	Compound	C37385-2 mg/kg	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	C37385-2	Limits
630-01-3	Hexacosane	66%	87%	120%	37-122%

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

* = Outside of Control Limits.

5.3.1
5

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)

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Test results relate only to samples analyzed.

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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 Number	Collected Date	Time By	Received	Matrix Code	Type	Client 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

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: C37385R
Account: Cleanharbors-San Jose-Commercial Street
Project: Walgreens Diesel Spill - HWY 84 & HWY 680 Sunol CA
Collected: 12/01/14

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C37385-3	WATER SAMPLE #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

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

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH319322.D	1	12/03/14	AG	12/03/14	OP11315	GHH1415
Run #2							

	Initial Volume	Final 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.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
630-01-3	Hexacosane	80%		32-124%		

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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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	

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

Run #	Initial Weight	Final Volume
Run #1	30.0 g	10.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	505	170	42	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 J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



ACCUTEST
LABORATORIES

CHAIN OF CUSTODY

2105 Lundy Ave, San Jose, CA 95131
(408) 688-0200 FAX: (408) 688-0201

FED-EX Tracking # _____ Bottle Order Control # _____
Accutest Quote # _____ Accutest NC Job #: C **C37385**

Client / Reporting Information
Company Name: **Clean Harbors**
Address: **1010 Commercial St.**
City: **San Jose CA** Zip: **95112**
Project Name: **Walgreens diesel spill**
Project #: **1403217363**
Project Contact: **Bobby Griffin**
Phone # _____
Sample's Name: **Bobby Griffin**
Email: **cullred.norman@blougharbor.com**
Client Purchase Order # _____

Requested Analysis	Matrix Codes	LAB #	
			LAB USE ONLY
	WW - Wastewater		
	GW - Ground Water		
	SW - Surface Water		
	SO - Soil		
	OI - Oil		
	WP - WPa		
	UD - Non aqueous liquid		
	AIR		
	DI - Drinking Water (Potable Only)		

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Date	Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles															
							Q	Y	MPH	PHOS	PHOS	PHOS	PHOS	PHOS	PHOS	PHOS	PHOS	PHOS				
-	Water sample #1	12-1-14	10:20A	BG	L	1																
-	" " #2	12-1-14	10:20A	BG	L	1																
-	Soil sample #1	12-1-14	10:20A	BG	S	1																
-	" " #2	12-1-14	10:20A	BG	S	1																

TPH - (Diesel)

Turnaround Time (Business days)
 10 Day
 5 Day
 3 Day
 2 Day
 1 Day
 Same Day

Approved By / Date:
Chris / 12/1

Data Deliverable Information
 Commercial "A" - Results only
 Commercial "B" - Results with QC summaries
 Commercial "B+" - Results, QC, and chromatograms
 FULLY - Level 4 data package
 EDF for Geotracker EDF Format _____
 Provide EDF Global ID _____
 Provide EDF Logcode: _____

1 DAY

Emergency T/A data available VIA Lablink

Sample Custody must be documented below each time samples change possession, including courier delivery.

1 Requisitioned by: _____ Date Time: 12-1-14 10:20	Received By: _____ Date Time: _____	2 Requisitioned By: _____ Date Time: _____	Received By: _____ Date Time: _____
3 Requisitioned by: _____ Date Time: _____	Received By: _____ Date Time: _____	4 Custody Seal # _____ Appropriate Bottles / Pres. Y/N _____ Labels match Cust Y / N _____	Received By: _____ Date Time: _____ Headspace Y/N _____ On Ice Y/N _____ Cooler Temp 14.5/14.5

4.1
4

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C37385 **Client:** CLEAN HARBORS **Project:** WALGREENS DEISEL SPILL
Date / Time Received: 12/1/2014 12:00:00 PM **Delivery Method:** Client **Airbill #'s:**
Cooler Temps (Initial/Adjusted): #1: (14.5/14.5):

<u>Cooler Security</u>	<u>Y or N</u>				<u>Y or N</u>	
1. Custody Seals Present:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Custody Seals Intact:	<input type="checkbox"/>	<input type="checkbox"/>	4. SmpI Dates/Time OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

<u>Cooler Temperature</u>	<u>Y or N</u>	
1. Temp criteria achieved:	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Cooler temp verification:	IR1;	
3. Cooler media:	No Ice	
4. No. Coolers:	1	

<u>Quality Control Preservation</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Samples preserved properly:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. VOCs headspace free:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

<u>Sample Integrity - Documentation</u>	<u>Y or N</u>	
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<u>Sample Integrity - Condition</u>	<u>Y or N</u>	
1. Sample recvd within HT:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Condition of sample:	Intact	

<u>Sample Integrity - Instructions</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
3. Sufficient volume recvd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments

4.1
4

GC Semi-volatiles

5

QC Data Summaries

Includes the following where applicable:

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

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	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:

Method: SW846 8015B M

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%

5.1.1
5

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	Analytical Batch
OP11315-MB	HH319326.D	1	12/03/14	AG	12/03/14	OP11315	GHH1415

The QC reported here applies to the following samples:

Method: SW846 8015B M

C37385-3

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

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

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	Analytical Batch
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:

Method: SW846 8015B M

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	BSD	Limits
630-01-3	Hexacosane	116%	110%	37-122%

* = Outside of Control Limits.

5.2.1
5

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	Analytical Batch
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:

Method: SW846 8015B M

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	BSD	Limits
630-01-3	Hexacosane	92%	89%	32-124%

* = Outside of Control Limits.

5.2.2
 5

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	Analytical Batch
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:

Method: SW846 8015B M

C37385-4

CAS No.	Compound	C37427-1 mg/kg	Spike Q	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	C37427-1	Limits
630-01-3	Hexacosane	110%	115%	116%	37-122%

* = Outside of Control Limits.

5.3.1
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