LDEQ Incident Report

City of Hammond
Water & Sewer Department
Guy Palermo, Superintendent

Pete Panepinto, Mayor

P.O. Box 2788 Hammond, LA 70404-2788 * PH (985) 277-5962 * FAX (985) 277-5959

March 19, 2018

RE: Permit Number: LA0032328
Incident # 18-0001060
FDID#53005

On the morning of March 13, 2018 while conducting morning site inspection, the City of Hammond Wastewater Supervisor, Vernon Banks, notice that some sort of chemical had been released into the wastewater system. Immediately notified the Public Works Superintendent, Guy Palermo, who notified the local Hammond Fire Department to have the FD hazmat team assess the situation. The FD. hazmat specialist reported the incident to State Police as required by law. LDEQ was notified by phone that morning of the emergency at hand. LDEQ response investigator, Christian Flucke, arrived at the treatment plant facility at approximately 12:00pm to assess the situation.

The chemical was contained in the first cell of the treatment plant, mostly contained at the southeast side of the pond and appeared to sit on top of the influent of the cell. Samples were collected and sent to an EPA approved independent lab for analysis. We have not received those results as of yet. There was a strong chemical odor present and air quality equipment was also setup to monitoring the surrounding area.
Omi Environmental Solutions were called out to remove the substance from the pond and to dispose of it properly. Water quality and compliance samples continued to be taken to monitor any additional residual that may be left from the substance.

The treatment plant has not shown any residual damage from the chemical release. Operators were able to narrow down the area of possible contamination lift station 3 and 5. However this an area where several other trunk lines tie into therefore the actual location of the illegal dumping has not been determined. Omi did remove substance from station3 but was unable to get remove much from lift station 5.

Sincerely,

Guy Palermo
City of Hammond
Water and Sewer Superintendent.

A — FDID: 53005 ★ | State: LA ★ | Incident Date (MM/DD/YYYY): 03/13/2018 ★ | Station: 4 | Incident Number: 18-0001060 ★ | Exposure: 000 ★ | ☐ Delete ☐ Change ☐ No Activity | NFIRS -1 Basic

B Location★

☐ Check this box to Indicate that the address for this incident is provided on the Wildland Fire Module In Section H "Alternative Location Specification". Use only for Wildland fires. Census Tract: ____ - ____

☒ Street address
☐ Intersection
☐ In front of
☐ Rear of
☐ Adjacent to
☐ Directions

Number/Milepost: 1801 | Prefix: | Street or Highway: NATCHEZ | Street Type: ST | Suffix:

Apt./Suite/Room: | City: HAMMOND | State: LA | Zip Code: 70401 -

Cross street or directions, as applicable:

C Incident Type ★

413 | Oil or other combustible liquid

Incident Type

D Aid Given or Received ★

1 ☐ Mutual aid received
2 ☐ Automatic aid recv.
3 ☐ Mutual aid given
4 ☐ Automatic aid given
5 ☐ Other aid given
N ☒ None

Their FDID: | Their State: | Their Incident Number:

E1 Date & Times — Midnight is 0000

Check boxes if dates are the same as Alarm date.

	Month	Day	Year	Hr Min Sec
ALARM Always required. Alarm ★	03	13	2018	11:05:55
ARRIVAL required, unless canceled or did not arrive. ☒ Arrival ★	03	13	2018	11:06:11
CONTROLLED Optional, Except for wildland fires. ☐ Controlled				
LAST UNIT CLEARED, required except for wildland fires. ☒ Last Unit Cleared	03	13	2018	14:01:28

E2 Shift & Alarms

Local Option

Shift or Platoon: 1 | Alarms: | District: IN

E3 Special Studies

Local Option

Special Study ID#: | Special Study Value:

F Actions Taken ★

86 | Investigate — Primary Action Taken (1)

82 | Notify other agencies. — Additional Action Taken (2)

Additional Action Taken (3):

G1 Resources ★

☒ Check this box and skip this section if an Apparatus or Personnel form is used.

	Apparatus	Personnel
Suppression		
EMS		
Other	0002	0003

☐ Check box if resource counts include aid received resources.

G2 Estimated Dollar Losses & Values

LOSSES: Required for all fires if known. Optional for non fires.

		None
Property	$, 000 , 000	☐
Contents	$, 000 , 000	☐

PRE-INCIDENT VALUE: Optional

Property	$, 000 , 000	☐
Contents	$, 000 , 000	☐

Completed Modules

☐ Fire-2
☐ Structure-3
☐ Civil Fire Cas.-4
☐ Fire Serv. Cas.-5
☐ EMS-6
☒ HazMat-7
☐ Wildland Fire-8
☒ Apparatus-9
☒ Personnel-10
☐ Arson-11

H1 ★ Casualties ☐ None

	Deaths	Injuries
Fire Service		
Civilian		

H2 Detector

Required for Confined Fires.

1 ☐ Detector alerted occupants
2 ☐ Detector did not alert them
U ☐ Unknown

H3 Hazardous Materials Release

N ☐ None
1 ☐ Natural Gas: slow leak, no evacuation or HazMat actions
2 ☐ Propane gas: <21 lb. tank (as in home BBQ grill)
3 ☐ Gasoline: vehicle fuel tank or portable container
4 ☐ Kerosene: fuel burning equipment or portable storage
5 ☐ Diesel fuel/fuel oil: vehicle fuel tank or portable
6 ☐ Household solvents: home/office spill, cleanup only
7 ☐ Motor oil: from engine or portable container
8 ☐ Paint: from paint cans totaling < 55 gallons
0 ☒ Other: Special HazMat actions required or spill > 55gal. Please complete the HazMat form

I Mixed Use Property

NN ☒ Not Mixed
10 ☐ Assembly use
20 ☐ Education use
33 ☐ Medical use
40 ☐ Residential use
51 ☐ Row of stores
53 ☐ Enclosed mall
58 ☐ Bus. & Residential
59 ☐ Office use
60 ☐ Industrial use
63 ☐ Military use
65 ☐ Farm use
00 ☐ Other mixed use

J Property Use★

Structures

131 ☐ Church, place of worship
161 ☐ Restaurant or cafeteria
162 ☐ Bar/Tavern or nightclub
213 ☐ Elementary school or kindergarten
215 ☐ High school or junior high
241 ☐ College, adult education
311 ☐ Care facility for the aged
331 ☐ Hospital
341 ☐ Clinic,clinic type infirmary
342 ☐ Doctor/dentist office
361 ☐ Prison or jail, not juvenile
419 ☐ 1-or 2-family dwelling
429 ☐ Multi-family dwelling
439 ☐ Rooming/boarding house
449 ☐ Commercial hotel or motel
459 ☐ Residential, board and care
464 ☐ Dormitory/barracks
519 ☐ Food and beverage sales
539 ☐ Household goods,sales,repairs
579 ☐ Motor vehicle/boat sales/repair
571 ☐ Gas or service station
599 ☐ Business office
615 ☐ Electric generating plant
629 ☐ Laboratory/science lab
700 ☐ Manufacturing plant
819 ☐ Livestock/poultry storage (barn)
882 ☐ Non-residential parking garage
891 ☐ Warehouse

Outside

124 ☐ Playground or park
655 ☐ Crops or orchard
669 ☐ Forest (timberland)
807 ☐ Outdoor storage area
919 ☐ Dump or sanitary landfill
931 ☐ Open land or field
936 ☐ Vacant lot
938 ☐ Graded/care for plot of land
946 ☐ Lake, river, stream
951 ☐ Railroad right of way
960 ☐ Other street
961 ☐ Highway/divided highway
962 ☐ Residential street/driveway
981 ☐ Construction site
984 ☐ Industrial plant yard

Lookup and enter a Property Use code only if you have NOT checked a Property Use box:

Property Use: 647

Water utility

NFIRS-1 Revision 03/11/99

A — FDID: 53005 * | State: LA * | Incident Date (MM DD YYYY): 3 13 2018 * | Station: 4 | Incident Number: 18-0001060 * | Exposure: 000 | Haz Mat No: 1 * | ☐ Delete ☐ Change

NFIRS - 7 HazMat

B HazMat ID — UN Number: 1299 | DOT Hazard Classification: UU | CAS Registration Number: 8006-64-2

Chemical Name *: Oil of turpentine

C1 Container Type: 32

More hazardous Materials? Use additional sheets.

C2 Estimated Container Capacity: ____ , ____ , ____ (Capacity: by volume or weight)

C3 Units: Capacity (Check one box)

VOLUME		WEIGHT	
11	☐ Ounces	21	☐ Ounces
12	☐ Gallons	22	☐ Pounds
13	☐ Barrels: 42 gal.	23	☐ Grams
14	☐ Liters	24	☐ Kilograms
15	☐ Cubic feet		
16	☐ Cubic meters		

D1 Estimated Amount Released: ____ , ____ , 150 (Amount released: by volume or weight)

D2 Units: Released (Check one box)

VOLUME		WEIGHT	
11	☐ Ounces	21	☐ Ounces
12	☒ Gallons	22	☐ Pounds
13	☐ Barrels: 42 gal.	23	☐ Grams
14	☐ Liters	24	☐ Kilograms
15	☐ Cubic feet		
16	☐ Cubic meters		

E1 Physical State When Released

1 ☐ Solid
2 ☒ Liquid
3 ☐ Gas
U ☐ Undetermined

E2 Released Into: 4

Complete the remainder of this form only for the first hazardous material involved in this incident.

F1 Released From: (Check all applicable boxes)

☐ Below grade
1 ☐ Inside/on structure — ____ Story of Release
2 ☒ Outside of structure

F2 Population Density

1 ☐ Urban
2 ☒ Suburban
3 ☐ Rural

G1 Area Affected

1 ☐ Square Feet
2 ☐ Blocks
3 ☐ Square miles
____ , ____ Enter Measurement

G2 Area Evacuated ☐ None

1 ☐ Square Feet
2 ☐ Blocks
3 ☐ Square miles
____ , ____ Enter Measurement

G3 Estimated Number of People Evacuated: ____ , ____

G4 Estimated Number of Buildings Evacuated: ____ , ____ ☐ None

H HazMat Actions Taken (Enter up to three actions taken)

Primary Action Taken (1)
Additional Action Taken (2)
Additional Action Taken (3)

I If fire or explosion is involved with a release, which occurred first?

1 ☐ Ignition U ☐ Undetermined
2 ☐ Release

J Cause Of Release *

1 ☐ Intentional
2 ☐ Unintentional release
3 ☐ Container/ containment failure
4 ☐ Act of nature
5 ☐ Cause under investigation
U ☒ Cause undetermined after investigation

K Factors Contributing to Release (Enter up to three contributing factors)

Factor Contributing To Release (1)
Factor Contributing To Release (2)
Factor Contributing To Release (3)

L Factors Affecting Mitigation (Enter up to three factors or impediments that affected the mitigation of the incident)

Factor or Impediment (1)
Factor or Impediment (2)
Factor or Impediment (3)

M Equipment Involved In Release ☐ None

Equipment involved in release
Brand
Model
Serial Number
Year

N Mobile Property Involved In Release ☐ None

Mobile property type
Mobile property make
Mobile property model
Year
License Plate Number
State
DOT Number/ ICC Number

O HazMat Disposition *

1 ☐ Completed by fire service only
2 ☐ Completed w/ fire service present
3 ☐ Released to local agency
4 ☐ Released to county agency
5 ☐ Released to state agency
6 ☐ Released to federal agency
7 ☒ Released to a private agency
8 ☐ Released to property owner or manager

O HazMat Civilian Casualties

Deaths ____ Injuries ____

K1 Person/Entity Involved

Local Option

Business name (if applicable): | Area Code | Phone Number

☐ Check This Box if same address as incident location. Then skip the three duplicate address lines.

Mr.,Ms., Mrs. | First Name: City Of | MI | Last Name: Hammond | Suffix

Number | Prefix | Street or Highway | Street Type | Suffix

Post Office Box | Apt./Suite/Room | City: Hammond

State: LA | Zip Code: 70403 -

☐ **More people involved? Check this box and attach Supplemental Forms (NFIRS-1S) as necessary**

K2 Owner

☐ Same as person involved? Then check this box and skip The rest of this section.

Local Option

Business name (if Applicable): | Area Code | Phone Number

☐ Check this box if same address as incident location. Then skip the three duplicate address lines.

Mr.,Ms., Mrs. | First Name | MI | Last Name | Suffix

Number | Prefix | Street or Highway | Street Type | Suffix

Post Office Box | Apt./Suite/Room | City

State | Zip Code -

L Remarks

Local Option

2002050070 03/13/2018 11:05:51: HAMMOND WASTEWATER TREATMENT PLANT
2002050070 03/13/2018 11:05:59: A message was sent by AutoPage from Page Manager on 3/13/2018 11:05:59 AM.

2002050070 03/13/2018 12:39:34: DEQ ON SCENE @ 1225
2002050070 03/13/2018 12:51:31: ENVIORMENTAL CLEANUP ON SCENE

03/26/2018 10:45:01 AM gerarve_ad

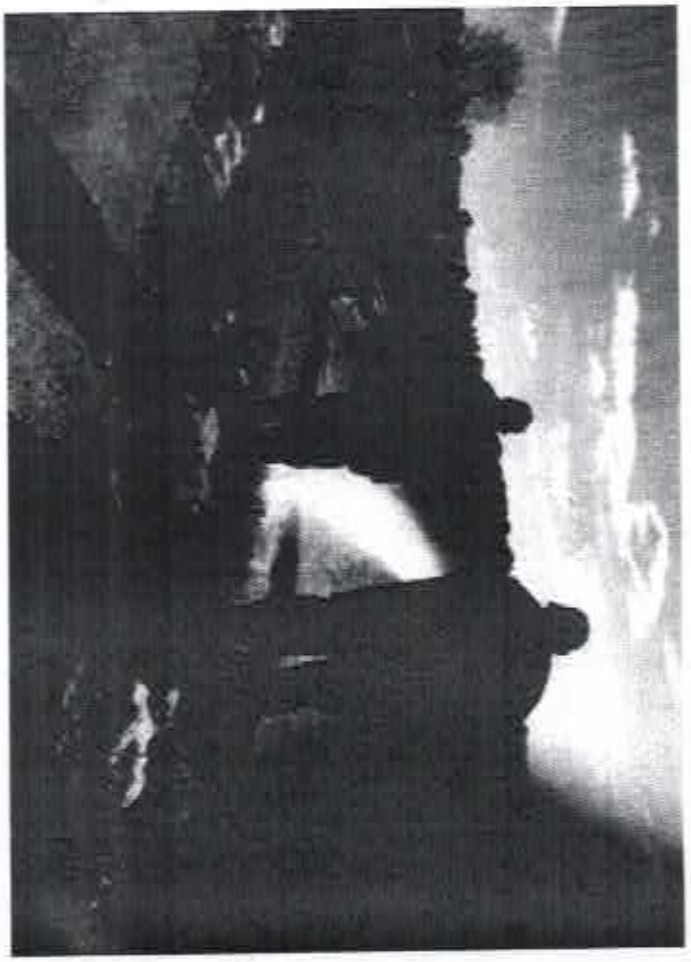
Responded to a report of an a
unknown chemical on top of the water at the city sewer treatment facility. La. State Police, La. DEQ, and OMI Environmental were all notified. Clean up was turned over to OMI under supervision of La DEQ.

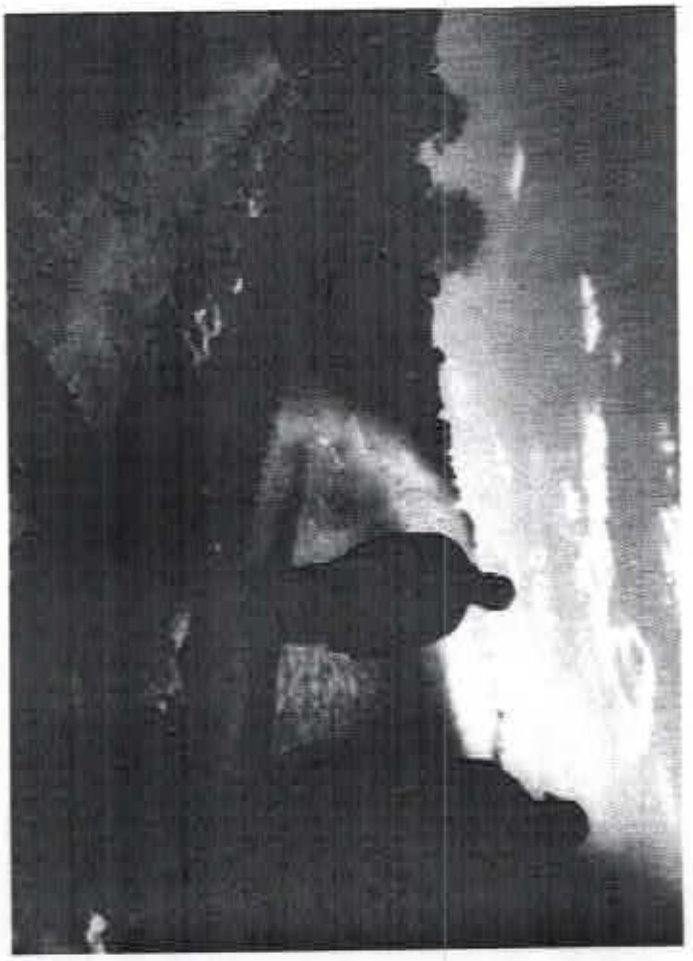
L Authorization

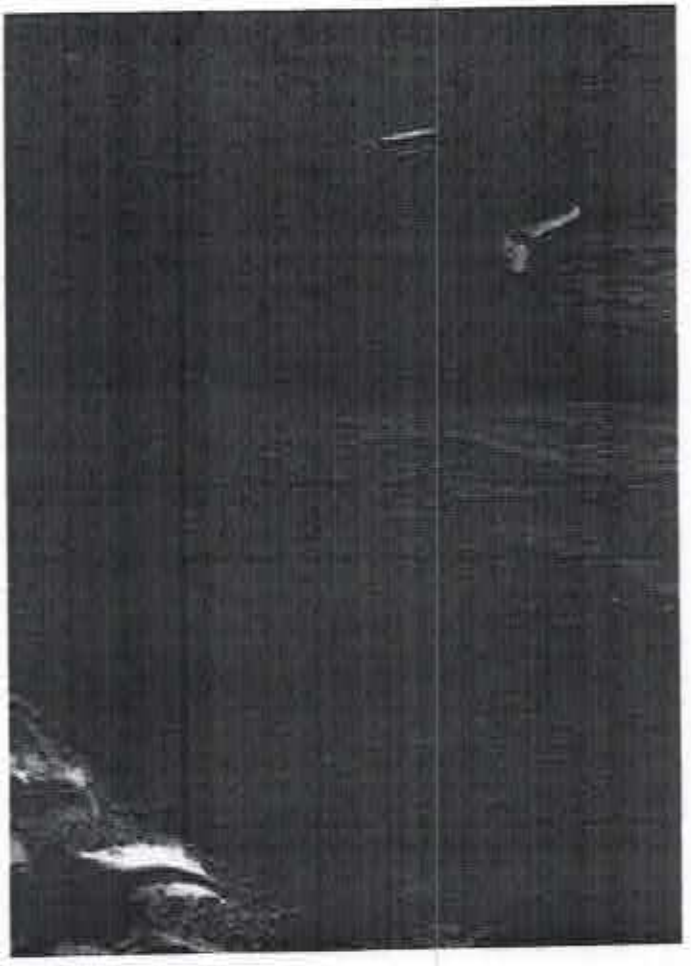
Officer in charge ID	Signature	Position or rank	Assignment	Month	Day	Year
137	GERARVE, ALEX	TO		03	26	2018

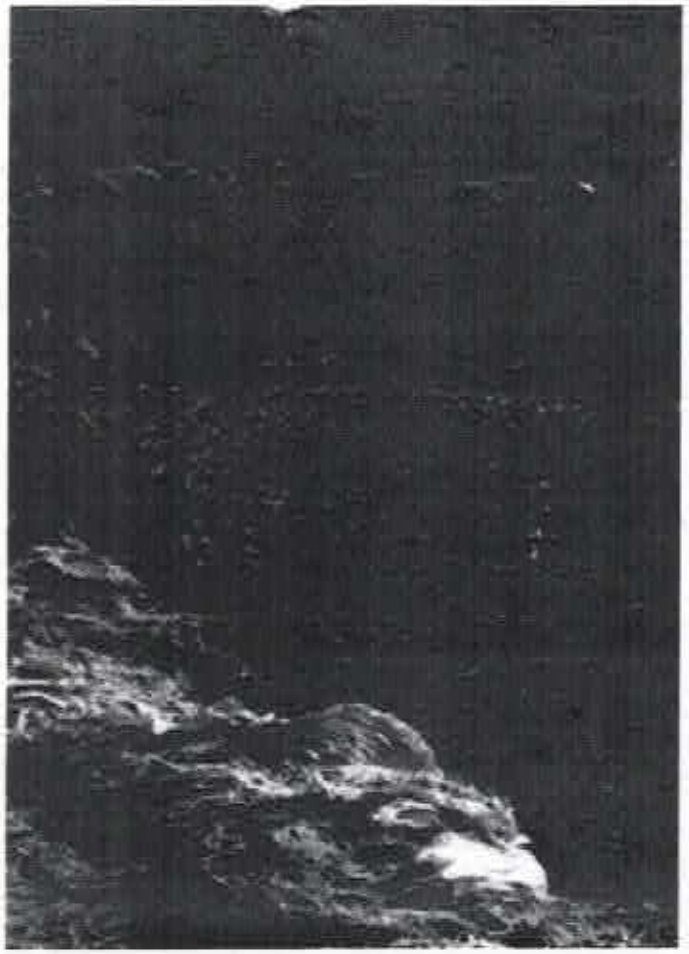
Check Box if same as Officer in charge.

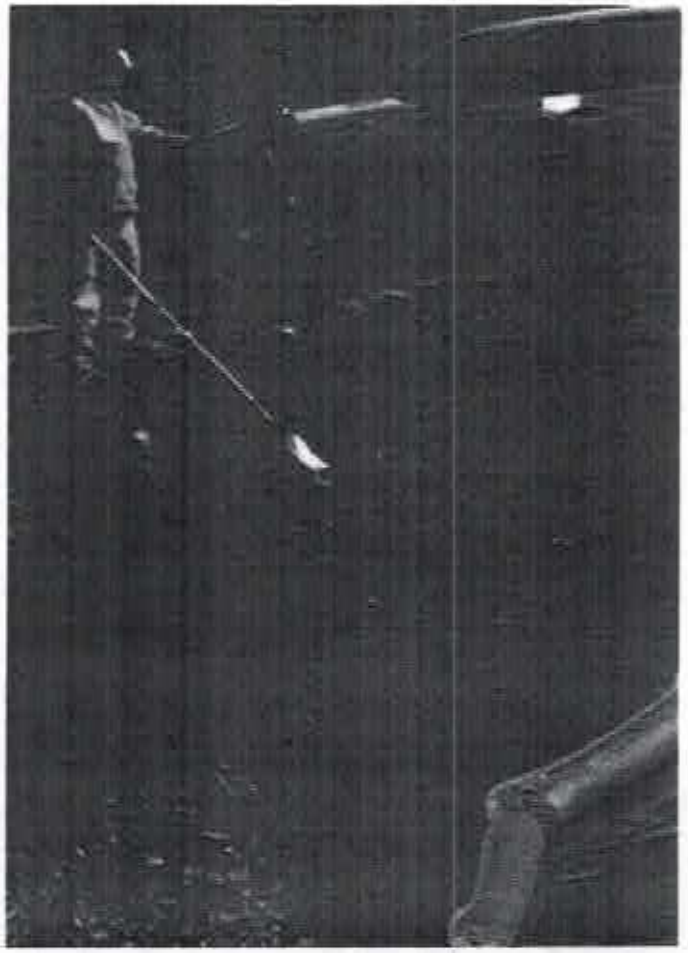
Member making report ID	Signature	Position or rank	Assignment	Month	Day	Year
☒ 137	GERARVE, ALEX	TO		03	26	2018











FIELD SERVICE TICKET

REMIT TO:

131 KEATING DRIVE
BELLE CHASSE, LA 70037

OMI ENVIRONMENTAL SOLUTIONS

1-800-645-6671

JOB# 213180769 Vcc # 217180771 [Tob site]

NO. 20352

CUSTOMER NAME: City of Hammond PO Box 2788 Hammond LA 70404	ADDRESS: 1801 Natchez St. Hammond, LA	PHONE: 985-864-7169 FAX:
P.O. NO.	CO. REP. Guy Palermo	DATE: 3-13-18	ALT #:

JOB SITE / WELL # / VESSEL NAME: Water treatment Pond / Lift station # 3

WORK LOCATION: South East corner of Pond / 700 ... St.

TYPE OF JOB: Oil spill

DESCRIPTION OF WORK: Round up Emulsified oil Vac up L/C 70 BBL.

PERSONNEL

NAME	TITLE	IN	OUT	HOURS S/T	HOURS O/T	WORK RATE S/T	WORK RATE O/T	COMBINED AMT.	PER DIEM
Croop, Christian	Supervisor	1100	2000	6	3				
Robertson, Byron	tech	1100	1930	6	2.5				
Willey, [illegible]	tech	1100	1930	6	2.5				
Martinez, Brian	tech	1100	2000	6	3				
Branson, Anthony	tech	1100	2000	6	3				
Kent	opper	1230	2000	5.5	3				
Bell Vac	Opper	1430	2000	2.5	3				

EQUIPMENT, SUPPLIES AND MISCELLANEOUS

Description		Units	Rate	Total
Work truck	Day	3		
Milage 64 one way x 6		384		
2" Wash Pump	Day	2		
18' Containment Boom	feet	100'		
5' Sorbent Boom	Bale	1		
Sorbent Pads	Bale	1		
PC tyvek	Case	1		
Leather Gloves	Box	1		
Hand tools	Tools	2		
1/2" Rope	Spool	1		
70 BBL vac truck	Day	2		
Fuel surcharge	Each	2		
32' [illegible] trailer	Day	1		
Boom trailer	Day	1		

TOTAL PER DIEM	
TOTAL LABOR	
TOTAL EQUIPMENT	
ESTIMATED TOTAL	

The equipment and manpower listed on the job service order is presumed accurate and is hereby accepted upon signature by the undersigned customer representative. OMIES reserves the right to audit the above rates and/or calculations and adjust accordingly.

[signature] OMIES Representative

[signature] Customer Representative

3-14-18 Date

FIELD SERVICE TICKET

REMIT TO:
131 KEATING DRIVE
BELLE CHASSE, LA 70037

OMI ENVIRONMENTAL SOLUTIONS

1-800-645-6671

JOB# 213180769

NO. 20353

CUSTOMER NAME	ADDRESS	PHONE
City of Hammond PO Box 2788, Hammond, LA 70404	1801 Matthews St. Hammond.	985-969-7164 FAX

P.O. NO.	CO. REP	DATE	ALT #
	Guy Palermo	7-14-18	

JOB SITE / WELL # / VESSEL NAME: West Water Plant

WORK LOCATION: Lake Pontchartrain Coast of Pond

TYPE OF JOB: Old Oil Jobs w/ Vac

DESCRIPTION OF WORK: Cont. to Vac Out Old Oil ~~Tank~~ Pond.

PERSONNEL

NAME	TITLE	IN	OUT	HOURS S/T	HOURS O/T	WORK RATE S/T	WORK RATE O/T	COMBINED AMT.	PER DIEM
Crapp Charles	Supervisor	0530							
Patterson, Tommy	Tech	0530							
Willis, Gary	Tech	0530							
Martinez, Alex	Tech	0530							
	Operator	0530							
Acc Vac									

EQUIPMENT, SUPPLIES AND MISCELLANEOUS

Description		Units	Rate	Total
Work Truck	Day	2		
30' Spill Trailer	Day	1		
Boom Trailer	Day	1		
18" Containment Boom	Foot	100		
Mileage 64 miles				
Poly Closed Funnel		2		
Work Pumps	Day	2		
To Add Vac Truck		2		
+ Work Out		2		
Disposal Cost to Follow				

TOTAL PER DIEM	
TOTAL LABOR	
TOTAL EQUIPMENT	
ESTIMATED TOTAL	

The equipment and manpower listed on the job service order is presumed accurate and is hereby accepted upon signature by the undersigned customer representative. OMIES reserves the right to audit the above rates and/or calculations and adjust accordingly.

OMIES Representative

Customer Representative

4-14-18
Date

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
FIELD INTERVIEW FORM

AGENCY INTEREST#: _____ INSPECTION DATE: 3-13 TIME OF ARRIVAL: 12:00

ALTERNATE ID#: _____ (ID Type/Number) DEPARTURE DATE: 3-13 TIME OF DEPARTURE: 2:30

FACILITY NAME: City of Hammond Wastewater Treatment PH #: 985-277-5971

LOCATION: Fagan Drive Wastewater treatment plant

PARISH NAME: Tangipahoa

RECEIVING STREAM (BASIN/SUBSEGMENT): _____

MAILING ADDRESS: PO Box 2788 (Street/P.O. Box) (City) Hammond (State) LA (ZIP) 70404

FACILITY REPRESENTATIVE: Guy Palermo TITLE: Superintendent

FACILITY REPRESENTATIVE PHONE NUMBER: 985 761 7161

NAME, TITLE, ADDRESS and TELEPHONE of RESPONSIBLE OFFICIAL (if different from above): _____

INSPECTION TYPE: ER PROGRAM INVOLVED: AIR WASTE (WATER) OTHER _____

INSPECTOR'S OBSERVATIONS: (e.g. AREAS AND EQUIPMENT INSPECTED, PROBLEMS, DEFICIENCIES, REMARKS, VERBAL COMMITMENTS FROM FACILITY REPRESENTATIVES)

On March 13th emergency responder Christian Flucke responded to an unknown chemical release at a Hammond water treatment plant on Fagan drive. Upon arrival, a thick, light-brown colored hydrocarbon was observed along the Southern Shore of treatment pond 1. The city contracted OMI to remove the material. OMI will contain the material with hoses & booms, then remove it via a Vac truck. All air monitoring by DEQ was non-detect. No off site impact. CTF

AREAS OF CONCERN:

REGULATION	EXPLANATION	CORRECTED?
_____	_____	YES NO
_____	_____	YES NO

PHOTOS TAKEN: ☑ YES ☐ NO SAMPLES TAKEN: ☐ YES ☒ NO (Attach Chain-of-custody)

RECEIVED BY: SIGNATURE: Guy Palermo

PRINT NAME: Guy Palermo

(NOTE: SIGNATURE DOES NOT NECESSARILY INDICATE AGREEMENT WITH INSPECTOR'S STATED OBSERVATIONS)

Library Search Report

Data Path : C:\msdchem\1\data\2018\March\031518\
Data File : 1803338-001ADF=10.D
Acq On : 15 Mar 2018 3:51 pm
Operator : DAC
Sample : 1803338-001ADF=10
Misc : ,SAMP,BNA_W_RCRA,10,
ALS Vial : 2 Sample Multiplier: 1

Search Libraries: C:\Database\wiley7N.1 Minimum Quality: 0

Unknown Spectrum: Apex minus start of peak
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	3.154	1.37	C:\Database\wiley7N.1			
			Benzene, 1-ethyl-2-methyl-	18921	000611-14-3	95
			Benzene, 1-ethyl-2-methyl- (CAS) $$ o-Ethyltoluene $$ 1-Methyl-2-ethylbenzene $$ 2-Ethyltoluene $$ Toluene, o-ethyl- $$ o-Methylethylbenzene $$ o-Ethyl methyl benzene $$ 1-Ethyl-2-methylbenzene $$ o-Ethyl methylbenzene $$ ortho-Ethyltoluen	18923	000611-14-3	95
			Benzene, 1-ethyl-3-methyl- (CAS) $$ m-Ethyltoluene $$ 1-Methyl-3-ethylbenzene $$ 3-Ethyltoluene $$ Toluene, m-ethyl- $$ m-Ethylmethylbenzene $$ m-Methylethylbenzene $$ 1-Ethyl-3-methylbenzene $$ meta-Ethyltoluene	18928	000620-14-4	95
2	3.307	3.37	C:\Database\wiley7N.1			
			Benzene, 1,2,3-trimethyl- (CAS) $$ 1,2,3-Trimethylbenzene $$ 1,2,3 TRIMETHYLBENZENE $$ Hemimellitene $$ Hemellitol	18946	000526-73-8	95
			Benzene, 1,2,4-trimethyl- (CAS) $$ 1,2,4-Trimethylbenzene $$ 1,2,4 TRIMETHYLBENZENE $$ Pseudocumol $$ Pseudocumene $$ .psi.-Cumene $$ 1,3,4-Trimethylbenzene $$ 1,2,5-Trimethylbenzene $$ Asymmetrical trimethylbenzene	18958	000095-63-6	95
			Benzene, 1,2,4-trimethyl- (CAS) $$ 1,2,4-Trimethylbenzene $$ 1,2,4 TRIMETHYLBENZENE $$ Pseudocumol $$ Pseudocumene $$ .psi.-Cumene $$ 1,3,4-Trimethylbenzene $$ 1,2,5-Trimethylbenzene $$ Asymmetrical trimethylbenzene $$ As-Trimethylbenzene $$ Psi-cumene $$	18957	000095-63-6	94
3	3.537	2.90	C:\Database\wiley7N.1			
			Benzene, 1,2-diethyl-	29897	000135-01-3	97
			Benzene, 1,3-diethyl-	29907	000141-93-5	97
			Benzene, 1,2-diethyl-	29898	000135-01-3	96
4	3.572	2.75	C:\Database\wiley7N.1			
			Benzene, 4-ethyl-1,2-dimethyl-	29943	000934-80-5	95
			Benzene, 1-methyl-2-(1-methylethyl)-	29869	000527-84-4	94
			Benzene, 4-ethyl-1,2-dimethyl-	29939	000934-80-5	94
5	3.672	1.26	C:\Database\wiley7N.1			
			Benzene, 1-methyl-4-(1-methylethyl)-	29888	000099-87-6	97
			Benzene, 1-methyl-2-(1-methylethyl)- $$ o-Cymene $$ o-Cymol $$ o-Isopropyltoluene $$ 1-Isopropyl-2-met	29870	000527-84-4	97

Data Path : C:\msdchem\1\data\2018\March\031518\
Data File : 1803338-001ADF=10.D
Acq On : 15 Mar 2018 3:51 pm
Operator : DAC
Sample : 1803338-001ADF=10
Misc : ,SAMP,BNA_W_RCRA,10,
ALS Vial : 2 Sample Multiplier: 1

Search Libraries: C:\Database\wiley7N.l Minimum Quality: 0

Unknown Spectrum: Apex minus start of peak
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
			hylbenzene $$ 1-Methyl-2-isopropyl benzene $$ 2-Isopropyltoluene $$ 1 -Methyl-2-(1-methylethyl)-benzene $$ Cymene, ortho $$ UN 2046			
			Benzene, 1-methyl-2-(1-methylethyl)- (CAS) $$ 1-Methyl-2-isopropylbe nzene $$ o-Cymene $$ o-Cymol $$ o-Isopropyltoluene $$ 2-Isopropyltol uene $$ 1-Isopropyl-2-methylbenzen e $$ 1-Methyl-2-(1-methylethyl)-be nzene $$ Cymene, ortho $$ UN 2046	29875	000527-84-4	97
6	3.696	1.89	C:\Database\wiley7N.l			
			Benzene, 1-ethyl-2,3-dimethyl-	29925	000933-98-2	96
			Benzene, 4-ethyl-1,2-dimethyl-	29943	000934-80-5	96
			Benzene, 2-ethyl-1,4-dimethyl- $$ p-Xylene, 2-ethyl- $$ 1,4-Dimethyl -2-ethylbenzene $$ 2-Ethyl-p-xylen e $$ 2-Ethyl-1,4-dimethylbenzene $ $ 2,5-Dimethylethylbenzene	29933	001758-88-9	95
7	3.849	1.79	C:\Database\wiley7N.l			
			Benzene, 1,2,3,5-tetramethyl- $$ I sodurene $$ 1,2,3,5-Tetramethylben zene	29957	000527-53-7	96
			Benzene, 1,2,4,5-tetramethyl-	29966	000095-93-2	95
			Benzene, 1-methyl-2-(1-methylethyl)- (CAS) $$ 1-Methyl-2-isopropylbe nzene $$ o-Cymene $$ o-Cymol $$ o-Isopropyltoluene $$ 2-Isopropyltol uene $$ 1-Isopropyl-2-methylbenzen e $$ 1-Methyl-2-(1-methylethyl)-be nzene $$ Cymene, ortho $$ UN 2046	29872	000527-84-4	95
8	3.954	5.61	C:\Database\wiley7N.l			
			Heptane, 3-bromo-	82768	001974-05-6	53
			Hexanal, 2-ethyl- (CAS) $$ 2-Ethyl hexanal $$ 3-Formylheptane $$ 2-Et hylhexaldehyde $$ 2-Ethylhexylalde hyde $$ Butylethylacetaldehyde $$ Ethylbutylacetaldehyde $$ .alpha.-Ethylcaproaldehyde $$ .alpha.-Ethy lhexanal $$ 2-Ethylhexan-1-al $$ 2 -Ethylcaproaldehy	24743	000123-05-7	45
			Heptane, 2-iodo- $$ 2-Iodoheptane	152992	018589-29-2	42
9	3.990	1.17	C:\Database\wiley7N.l			
			Benzene, 1-methyl-4-(1-methylethyl)-	29889	000099-87-6	58
			Benzene, 1-methyl-3-(1-methylethyl)-	29877	000535-77-3	53
			Benzene, 1-ethyl-2,3-dimethyl- (CA S) $$ 3-Ethyl-o-xylene $$ 1,2-Dime thyl-3-ethylbenzene $$ o-Xylene, 3 -ethyl- $$ 1-Ethyl-2,3-dimethylben	29927	000933-98-2	53

Data Path : C:\msdchem\1\data\2018\March\031518\
Data File : 1803338-001ADF=10.D
Acq On : 15 Mar 2018 3:51 pm
Operator : DAC
Sample : 1803338-001ADF=10
Misc : ,SAMP,BNA_W_RCRA,10,
ALS Vial : 2 Sample Multiplier: 1

Search Libraries: C:\Database\wiley7N.l Minimum Quality: 0

Unknown Spectrum: Apex minus start of peak
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
			zene $$ 3-Ethyl-1,2-dimethylbenzen			
10	4.113	1.99	C:\Database\wiley7N.1			
			Dodecane (CAS) $$ n-Dodecane $$ Ba 51-090453 $$ Adakane 12 $$ Isododecane $$ CH3(CH2)10CH3 $$ Bihexyl $$ Dihexyl $$ n-Dodecane min $$ N-Dodecan $$ Duodecane $$ ACETIC ACID 3-HYDROXY-7-ISOPROPENYL-1,4A-DIMETHYL-2,3,4,4A,5,6,7,8-OCTAHYDRO-NAP	74405	000112-40-3	95
			Dodecane (CAS) $$ n-Dodecane $$ Ba 51-090453 $$ Adakane 12 $$ Isododecane $$ CH3(CH2)10CH3 $$ Bihexyl $$ Dihexyl $$ n-Dodecane min $$ N-Dodecan $$ Duodecane $$ ACETIC ACID 3-HYDROXY-7-ISOPROPENYL-1,4A-DIMETHYL-2,3,4,4A,5,6,7,8-OCTAHYDRO-NAP	74408	000112-40-3	95
			Dodecane	74390	000112-40-3	91
11	4.160	1.37	C:\Database\wiley7N.1			
			Undecane, 2,6-dimethyl-	93401	017301-23-4	89
			Naphthalene (CAS) $$ White tar $$ NAPHTALINE $$ Naphthene $$ Albocarbon $$ Naphthalin $$ Naphthaline $$ Dezodorator $$ Moth flakes $$ Tar camphor $$ Camphor tar $$ Moth balls $$ Naftalen $$ NCI-C52904 $$ Mighty 150 $$ Mighty rd1 $$ Naphthalene, molten $$ R	25269	000091-20-3	50
			Naphthalene	25270	000091-20-3	50
12	4.307	1.15	C:\Database\wiley7N.1			
			1-Hexadecanol (CAS) $$ Cetal $$ Ethal $$ Ethol $$ Cetanol $$ Cetylol $$ Adol 52 $$ Lanol C $$ Adol 54 $$ Lorol 24 $$ Alfol 16 $$ Aldol 54 $$ Atalco C $$ Cetaffine $$ Loxanol K $$ Adol 52NF $$ Elfacos C $$ Crodacol C $$ Hyfatol 16 $$ Cetalol CA $$ Siponol	177034	036653-82-4	43
			Cyclopentane, (2-methylpropyl)- $$ Cyclopentane, isobutyl- $$ Isobutylcyclopentane	23169	003788-32-7	38
			Cyclohexane, ethyl- (CAS) $$ Ethylcyclohexane $$ ETHYLCYCLOHEXAN	13961	001678-91-7	27
13	4.378	1.00	C:\Database\wiley7N.1			
			Nonane, 3-methyl-	38825	005911-04-6	72
			Dodecane, 4,6-dimethyl-	113323	061141-72-8	70
			Nonane, 3-methyl- (CAS) $$ 3-Methylnonane	38827	005911-04-6	64
14	4.484	1.88	C:\Database\wiley7N.1			

Data Path : C:\msdchem\1\data\2018\March\031518\
Data File : 1803338-001ADF=10.D
Acq On : 15 Mar 2018 3:51 pm
Operator : DAC
Sample : 1803338-001ADF=10
Misc : ,SAMP,BNA_W_RCRA,10,
ALS Vial : 2 Sample Multiplier: 1

Search Libraries: C:\Database\wiley7N.l Minimum Quality: 0

Unknown Spectrum: Apex minus start of peak
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
			Tridecane (CAS) $$ n-Tridecane $$ Tridecane, n-	93376	000629-50-5	96
			Tridecane $$ n-Tridecane $$ Tridecane, n-	93369	000629-50-5	91
			Tridecane (CAS) $$ n-Tridecane $$ Tridecane, n-	93370	000629-50-5	87
15	4.748	1.11	C:\Database\wiley7N.l			
			Dodecane, 2,6,10-trimethyl-	134035	003891-98-3	83
			Dodecane, 2,7,10-trimethyl-	134044	074645-98-0	83
			Dodecane, 2,6,11-trimethyl- $$ 2,6,11-Trimethyldodecane	134042	031295-56-4	80
16	4.831	1.13	C:\Database\wiley7N.l			
			Tetradecane (CAS) $$ n-Tetradecane $$ Isotetradecane	113302	000629-59-4	94
			Tetradecane (CAS) $$ n-Tetradecane $$ Isotetradecane	113296	000629-59-4	94
			Tetradecane $$ n-Tetradecane $$ Isotetradecane	113291	000629-59-4	90
17	5.031	1.14	C:\Database\wiley7N.l			
			Undecane (CAS) $$ n-Undecane $$ Hendecane $$ n-C11H24 $$ UN 2330	56231	001120-21-4	81
			Undecane (CAS) $$ n-Undecane $$ Hendecane $$ n-C11H24 $$ UN 2330	56233	001120-21-4	81
			Undecane (CAS) $$ n-Undecane $$ Hendecane $$ n-C11H24 $$ UN 2330	56232	001120-21-4	72
18	5.166	1.13	C:\Database\wiley7N.l			
			pentadecane	134049	000629-62-9	96
			Pentadecane (CAS) $$ n-Pentadecane $$ CH3(CH2)13CH3	134019	000629-62-9	95
			Pentadecane	134009	000629-62-9	95
19	6.572	2.16	C:\Database\wiley7N.l			
			n-Hexadecanoic acid	195430	000057-10-3	99
			Hexadecanoic acid (CAS) $$ Palmitic acid $$ Palmitinic acid $$ n-Hexadecoic acid $$ n-Hexadecanoic acid $$ Pentadecanecarboxylic acid $$ 1-Pentadecanecarboxylic acid $$ Prifrac 2960 $$ Coconut oil fatty acids $$ Cetylic acid $$ Emersol 140 $$ Emersol 143	195440	000057-10-3	99
			n-Hexadecanoic acid	195432	000057-10-3	98
20	7.107	1.12	C:\Database\wiley7N.l			
			Cyclohexane, 1,2-diethenyl-, cis- $$ cis-1,2-Divinylcyclohexane $$ Cyclohexane, 1,2-divinyl-, cis-	32075	001004-84-8	53
			1-(pent-4'-enyl)cyclopentene $$ Cyclopentene, 1-(4-pentenyl)- (CAS) $$ 1-Pentene, 5-(1-cyclopenten-1-yl)- (CAS) $$ 1-(4-Pentenyl)cyclope	32353	016133-78-1	50

Data Path : C:\msdchem\1\data\2018\March\031518\
Data File : 1803338-001ADF=10.D
Acq On : 15 Mar 2018 3:51 pm
Operator : DAC
Sample : 1803338-001ADF=10
Misc : ,SAMP,BNA_W_RCRA,10,
ALS Vial : 2 Sample Multiplier: 1

Search Libraries: C:\Database\wiley7N.l Minimum Quality: 0

Unknown Spectrum: Apex minus start of peak
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
			ntene			
			1,5-Cyclooctadiene, 1,3-dimethyl-	32392	000000-00-0	49
21	7.184	49.72	C:\Database\wiley7N.l			
			9-Octadecenoic acid, (E)- $$ trans -.delta.(sup 9)-Octadecenoic acid $$ trans-.delta.9-Octadecenoic acid $$ trans-Octadec-9-enoic acid $$ trans-Oleic acid $$ trans-9-Octadecenoic acid $$ Elaidic acid	228773	000112-79-8	99
			9-Octadecenoic acid (Z)- (CAS) $$ Oleic acid $$ Red oil $$ Oelsauere $$ Oleine 7503 $$ Pamolyn 100 $$ Emersol 211 $$ Vopcolene 27 $$ cis-Oleic acid $$ Wecoline OO $$ Z-9-Octadecenoic acid $$ cis-9-Octadecenoic acid $$ .delta.9-cis-Oleic acid $$ 9-Octadece	228694	000112-80-1	98
			9-Octadecenoic acid (Z)- (CAS) $$ Oleic acid $$ Red oil $$ Oelsauere $$ Oleine 7503 $$ Pamolyn 100 $$ Emersol 211 $$ Vopcolene 27 $$ cis-Oleic acid $$ Wecoline OO $$ Z-9-Octadecenoic acid $$ cis-9-Octadecenoic acid $$ .delta.9-cis-Oleic acid $$ 9-Octadece	228695	000112-80-1	95
22	8.654	1.02	C:\Database\wiley7N.l			
			dl-2-Ethylhexyl chloroformate $$ 2-Ethylhexyl chloroformate $$ Chloroformic acid 2-ethylhexyl ester $$ Carbonochloridic acid, 2-ethylhexyl ester $$ Ethylhexyl chloroformate $$ UN 2748	102311	024468-13-1	72
			2-Undecene, 4,5-dimethyl-, [R@,S@-(Z)]- $$ Erythro cis-4,5-Dimethyl-2-undecene	90479	055170-93-9	53
			2-UNDECENE, 4,5-DIMETHYL-, CIS-, THREO-	90478	055170-93-9	53
23	9.513	1.06	C:\Database\wiley7N.l			
			Benzo[1,2-b:4,3-b']dithiophene, 1-phenyl-	208090	016587-58-9	49
			1-formyl-2,6-dimethoxyanthracene $$ 1-Formyl-2,6-dimethoxy-anthracene $$ 1-Anthracenecarboxaldehyde, 2,6-dimethoxy- (CAS)	208437	104662-36-4	43
			1-N-benzyl-3H-1,4-benzodiazepine-2,5-(1H,4H)-dione $$ 1H-1,4-Benzodiazepine-2,5-dione, 3,4-dihydro-1-(phenylmethyl)- (CAS) $$ 1H-1,4-Benzodiazepine-2,5-dione, 1-benzyl-3,4-dihydro- (CAS)	208173	005973-20-6	38
24	9.642	10.90	C:\Database\wiley7N.l			

Library Search Report

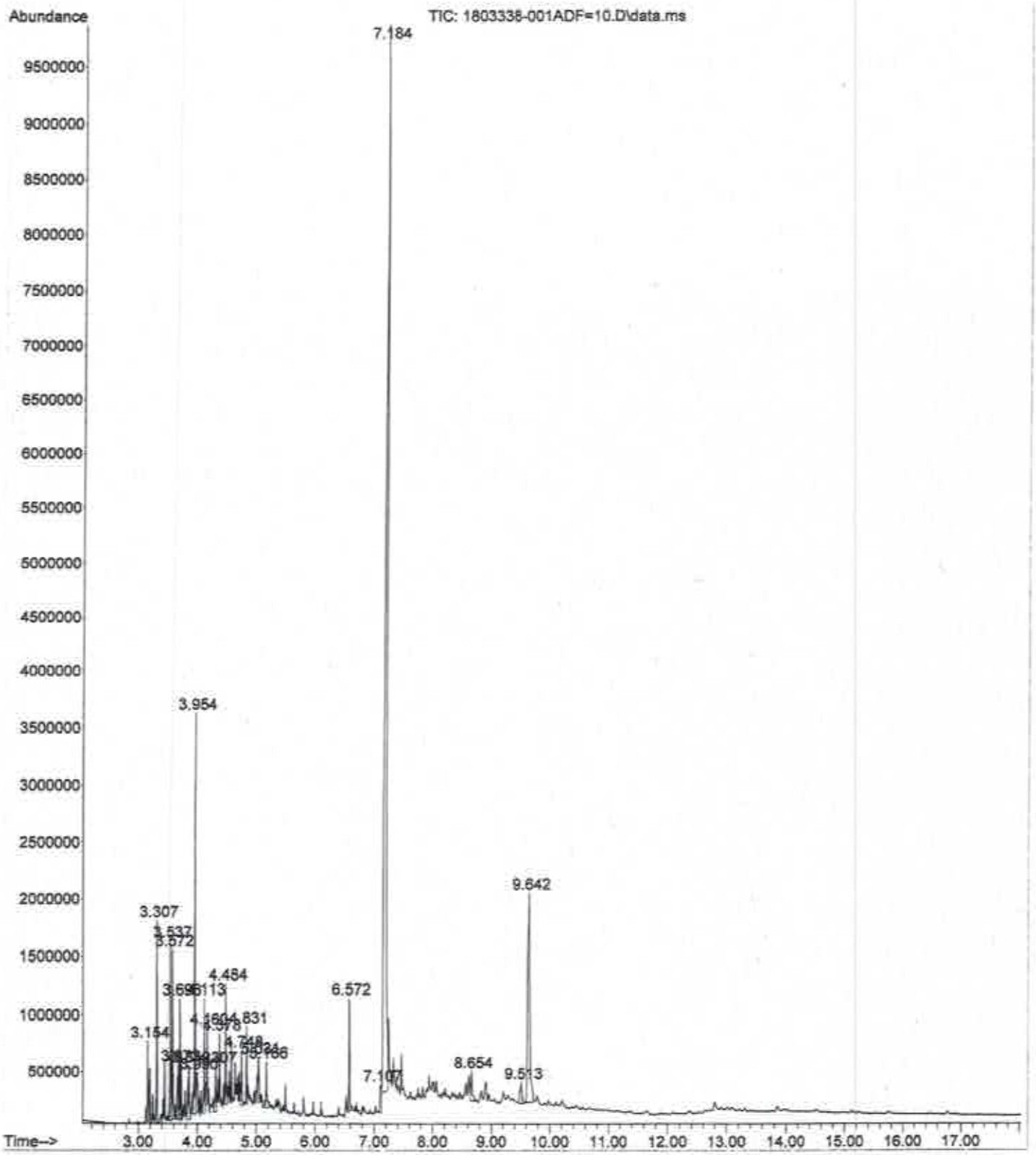
Data Path : C:\msdchem\1\data\2018\March\031518\
Data File : 1803338-001ADF=10.D
Acq On : 15 Mar 2018 3:51 pm
Operator : DAC
Sample : 1803338-001ADF=10
Misc : ,SAMP,BNA_W_RCRA,10,
ALS Vial : 2 Sample Multiplier: 1

Search Libraries: C:\Database\wiley7N.l Minimum Quality: 0

Unknown Spectrum: Apex minus start of peak
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
			9-Octadecenoic acid (Z)- (CAS) $$ Oleic acid $$ Red oil $$ Oelsauere $$ Oleine 7503 $$ Pamolyn 100 $$ Emersol 211 $$ Vopcolene 27 $$ cis-Oleic acid $$ Wecoline OO $$ Z-9-Octadecenoic acid $$ cis-9-Octadecenoic acid $$ .delta.9-cis-Oleic acid $$ 9-Octadece	228694	000112-80-1	93
			9-Octadecenoic acid (Z)- (CAS) $$ Oleic acid $$ Red oil $$ Oelsauere $$ Oleine 7503 $$ Pamolyn 100 $$ Emersol 211 $$ Vopcolene 27 $$ cis-Oleic acid $$ Wecoline OO $$ Z-9-Octadecenoic acid $$ cis-9-Octadecenoic acid $$ .delta.9-cis-Oleic acid $$ 9-Octadece	228697	000112-80-1	84
			9-Octadecenoic acid, (E)-	228774	000112-79-8	41

File :C:\msdchem\1\data\2018\March\031518\1803338-001ADF=10.D
Operator : DAC
Acquired : 15 Mar 2018 3:51 pm using AcqMethod BNAZEBRON.M
Instrument : GCMSD
Sample Name: 1803338-001ADF=10
Misc Info : ,SAMP,BNA_W_RCRA,10,
Vial Number: 2



Library Search Report

Data Path : C:\msdchem\1\data\2018\March\031518\
Data File : 1803338-002A.D
Acq On : 15 Mar 2018 4:15 pm
Operator : DAC
Sample : 1803338-002A
Misc : ,SAMP,BNA_W_RCRA,1,
ALS Vial : 3 Sample Multiplier: 1

Search Libraries: C:\Database\wiley7N.1 Minimum Quality: 0

Unknown Spectrum: Apex minus start of peak
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	3.313	1.51	C:\Database\wiley7N.1			
			Benzene, 1,2,4-trimethyl- (CAS) $$ 1,2,4-Trimethylbenzene $$ 1,2,4 TRIMETHYLBENZENE $$ Pseudocumol $$ Pseudocumene $$ .psi.-Cumene $$ 1,3,4-Trimethylbenzene $$ 1,2,5-Trimethylbenzene $$ Asymmetrical trimethylbenzene	18958	000095-63-6	97
			Benzene, 1,2,3-trimethyl- (CAS) $$ 1,2,3-Trimethylbenzene $$ 1,2,3 TRIMETHYLBENZENE $$ Hemimellitene $$ Hemellitol	18946	000526-73-8	95
			Benzene, 1,2,3-trimethyl-	18949	000526-73-8	95
2	3.419	2.73	C:\Database\wiley7N.1			
			1-Hexanol, 2-ethyl- (CAS) $$ 2-Ethylhexanol $$ 2-Ethyl-1-hexanol $$ Ethylhexanol $$ 2-Ethylhexan-1-ol $$ 2-Ethylhexyl alcohol $$ 2-Ethyl-hexanol-1 $$ Ethylhexyl alcohol $$ Octyl alcohol $$ 2-ETHYL-HEXAN-1-OL $$ 2-Ethylhexanol-1	26921	000104-76-7	90
			1-Hexanol, 2-ethyl- (CAS) $$ 2-Ethylhexanol $$ 2-Ethyl-1-hexanol $$ Ethylhexanol $$ 2-Ethylhexan-1-ol $$ 2-Ethylhexyl alcohol $$ 2-Ethyl-hexanol-1 $$ Ethylhexyl alcohol $$ Octyl alcohol $$ 2-ETHYL-HEXAN-1-OL $$ 2-Ethylhexanol-1	26923	000104-76-7	86
			1-Hexanol, 2-ethyl- (CAS) $$ 2-Ethylhexanol $$ 2-Ethyl-1-hexanol $$ Ethylhexanol $$ 2-Ethylhexan-1-ol $$ 2-Ethylhexyl alcohol $$ 2-Ethyl-hexanol-1 $$ Ethylhexyl alcohol $$ Octyl alcohol $$ 2-ETHYL-HEXAN-1-OL $$ 2-Ethylhexanol-1	26925	000104-76-7	86
3	5.966	1.74	C:\Database\wiley7N.1			
			Tetradecanoic acid	157231	000544-63-8	99
			Tetradecanoic acid $$ Myristic acid $$ n-Tetradecanoic acid $$ n-Tetradecoic acid $$ Neo-Fat 14 $$ Univol U 316S $$ 1-Tridecanecarboxylic acid $$ Coconut oil fatty acids $$ Crodacid $$ Emery 655 $$ Hydrofol acid 1495 $$ Hystrene 9014 $$ n-Tetradecan-1-oic	157225	000544-63-8	98
			Tetradecanoic acid (CAS) $$ Myristic acid $$ MYRISTINIC ACID $$ n-Tetradecanoic acid $$ neo-Fat 14 $$ Univol U 316S $$ n-Tetradecoic acid $$ 1-Tridecanecarboxylic acid $$ n-Tetradecan-1-oic acid $$ methyl tridecanoate $$ Coconut oil fatty acids $$ Crodaci	157226	000544-63-8	97

Library Search Report

Data Path : C:\msdchem\1\data\2018\March\031518\
Data File : 1803338-002A.D
Acq On : 15 Mar 2018 4:15 pm
Operator : DAC
Sample : 1803338-002A
Misc : ,SAMP,BNA_W_RCRA,1,
ALS Vial : 3 Sample Multiplier: 1

Search Libraries: C:\Database\wiley7N.l Minimum Quality: 0

Unknown Spectrum: Apex minus start of peak
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
4	6.525	1.50	C:\Database\wiley7N.l			
			Z-9-Pentadecenol	154797	000000-00-0	97
			(+-)-15-Hexadecanolide $$ Oxacyclohexadecan-2-one, 16-methyl-, (.+-.)- (CAS)	192827	095338-36-6	94
			Hexadecenoic acid, Z-11-	192905	002416-20-8	93
5	6.595	24.81	C:\Database\wiley7N.l			
			Hexadecanoic acid (CAS) $$ Palmitic acid $$ Palmitinic acid $$ n-Hexadecoic acid $$ n-Hexadecanoic acid $$ Pentadecanecarboxylic acid $$ 1-Pentadecanecarboxylic acid $$ Prifrac 2960 $$ Coconut oil fatty acids $$ Cetylic acid $$ Emersol 140 $$ Emersol 143	195439	000057-10-3	99
			n-Hexadecanoic acid	195430	000057-10-3	99
			Hexadecanoic acid (CAS) $$ Palmitic acid $$ Palmitinic acid $$ n-Hexadecoic acid $$ n-Hexadecanoic acid $$ Pentadecanecarboxylic acid $$ 1-Pentadecanecarboxylic acid $$ Prifrac 2960 $$ Coconut oil fatty acids $$ Cetylic acid $$ Emersol 140 $$ Emersol 143	195440	000057-10-3	99
6	7.195	52.61	C:\Database\wiley7N.l			
			9-Octadecenoic acid (Z)- (CAS) $$ Oleic acid $$ Red oil $$ Oelsauere $$ Oleine 7503 $$ Pamolyn 100 $$ Emersol 211 $$ Vopcolene 27 $$ cis-Oleic acid $$ Wecoline OO $$ Z-9-Octadecenoic acid $$ cis-9-Octadecenoic acid $$ .delta.9-cis-Oleic acid $$ 9-Octadece	228694	000112-80-1	99
			9-Octadecenoic acid, (E)- $$ trans-.delta.(sup 9)-Octadecenoic acid $$ trans-.delta.9-Octadecenoic acid $$ trans-Octadec-9-enoic acid $$ trans-Oleic acid $$ trans-9-Octadecenoic acid $$ Elaidic acid	228773	000112-79-8	99
			9-Octadecenoic acid (Z)- (CAS) $$ Oleic acid $$ Red oil $$ Oelsauere $$ Oleine 7503 $$ Pamolyn 100 $$ Emersol 211 $$ Vopcolene 27 $$ cis-Oleic acid $$ Wecoline OO $$ Z-9-Octadecenoic acid $$ cis-9-Octadecenoic acid $$ .delta.9-cis-Oleic acid $$ 9-Octadece	228693	000112-80-1	98
7	7.254	10.32	C:\Database\wiley7N.l			
			Octadecanoic acid (CAS) $$ Stearic acid $$ n-Octadecanoic acid $$ PD 185 $$ NAA 173 $$ Vanicol $$ Kam	231330	000057-11-4	99

Library Search Report

Data Path : C:\msdchem\1\data\2018\March\031518\
Data File : 1803338-002A.D
Acq On : 15 Mar 2018 4:15 pm
Operator : DAC
Sample : 1803338-002A
Misc : ,SAMP,BNA_W_RCRA,1,
ALS Vial : 3 Sample Multiplier: 1

Search Libraries: C:\Database\wiley7N.l Minimum Quality: 0

Unknown Spectrum: Apex minus start of peak
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
			3000 $$ Kam 1000 $$ Kam 2000 $$ Ne o-Fat 18 $$ Steric acid $$ Hystren e 80 $$ Industrene R $$ Stearex Be ads $$ Hystrene S-97 $$ Neo-Fat 18 -53 $$ Neo-Fat 18			
			Octadecanoic acid (CAS) $$ Stearic acid $$ n-Octadecanoic acid $$ PD 185 $$ NAA 173 $$ Vanicol $$ Kam 3000 $$ Kam 1000 $$ Kam 2000 $$ Ne o-Fat 18 $$ Steric acid $$ Hystren e 80 $$ Industrene R $$ Stearex Be ads $$ Hystrene S-97 $$ Neo-Fat 18 -53 $$ Neo-Fat 18	231314	000057-11-4	99
			Octadecanoic acid (CAS) $$ Stearic acid $$ n-Octadecanoic acid $$ PD 185 $$ NAA 173 $$ Vanicol $$ Kam 3000 $$ Kam 1000 $$ Kam 2000 $$ Ne o-Fat 18 $$ Steric acid $$ Hystren e 80 $$ Industrene R $$ Stearex Be ads $$ Hystrene S-97 $$ Neo-Fat 18 -53 $$ Neo-Fat 18	231328	000057-11-4	99
8	7.448	1.17	C:\Database\wiley7N.l			
			9,12-Octadecadienoic acid (Z,Z)-	226099	000060-33-3	98
			9,12-Octadecadienoic acid (Z,Z)- (CAS) $$ Linoleic acid $$ Linoleic $$ Unifac 6550 $$ Linolic acid $$ Telfairic acid $$ Grape seed oil $ $ Polylin No. 515 $$ cis,cis-Linol eic acid $$ 9, 12-Octadecadienoic acid $$ cis-9,cis-12-Octadecadieno ic acid $$ 9,12-O	226102	000060-33-3	94
			9,12-Octadecadienoic acid (Z,Z)- (CAS) $$ Linoleic acid $$ Linoleic $$ Unifac 6550 $$ Linolic acid $$ Telfairic acid $$ Grape seed oil $ $ Polylin No. 515 $$ cis,cis-Linol eic acid $$ 9, 12-Octadecadienoic acid $$ cis-9,cis-12-Octadecadieno ic acid $$ 9,12-O	226100	000060-33-3	91
9	9.624	3.61	C:\Database\wiley7N.l			
			9-Octadecenoic acid (Z)- (CAS) $$ Oleic acid $$ Red oil $$ Oelsauere $$ Oleine 7503 $$ Pamolyn 100 $$ Emersol 211 $$ Vopcolene 27 $$ cis -Oleic acid $$ Wecoline OO $$ Z-9-Octadecenoic acid $$ cis-9-Octadec enoic acid $$ .delta.9-cis-Oleic a cid $$ 9-Octadece	228694	000112-80-1	93
			9-Octadecenoic acid (Z)- (CAS) $$ Oleic acid $$ Red oil $$ Oelsauere $$ Oleine 7503 $$ Pamolyn 100 $$ Emersol 211 $$ Vopcolene 27 $$ cis -Oleic acid $$ Wecoline OO $$ Z-9-	228697	000112-80-1	89

Library Search Report

Data Path : C:\msdchem\1\data\2018\March\031518\
Data File : 1803338-002A.D
Acq On : 15 Mar 2018 4:15 pm
Operator : DAC
Sample : 1803338-002A
Misc : ,SAMP,BNA_W_RCRA,1,
ALS Vial : 3 Sample Multiplier: 1

Search Libraries: C:\Database\wiley7N.l Minimum Quality: 0

Unknown Spectrum: Apex minus start of peak
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
			Octadecenoic acid $$ cis-9-Octadec enoic acid $$ .delta.9-cis-Oleic a cid $$ 9-Octadece HEPTADECENE-(8)-CARBONIC ACID-(1)	228686	000000-00-0	50

File : C:\msdchem\1\data\2018\March\031518\1803338-002A.D
Operator : DAC
Acquired : 15 Mar 2018 4:15 pm using AcqMethod BNAZEBRON.M
Instrument : GCMSD
Sample Name: 1803338-002A
Misc Info : ,SAMP,BNA_W_RCRA,1,
Vial Number: 3