3-21-19 Slauson Tanker ER R. Tobra

0530 Arrive @ Warehouse to get equipment and ER Vehicle. — RDS

0630 Arrive @ Job Site. — RDS

Weather: Partly Cloudy temps 51° to 61° F. 10% Chance of Rain. — RDT

0730 Clean Harbors not onsite except for crew that was doing the overnight stormwater watch. — RDS

0838 OSC's H. Allen + B. Castellano onsite

Clean Harbor Javier 323-216-0483

0940 Javier w/ Clean Harbors onsite. Clean Harbors has not heard from their client so No work is scheduled for today.

1037 ~~leaving site~~ RDS OSC H. Allen will call if + when the work begins again.

1100 Clean Harbor is having a conference call w/ the PRP @ 1430 to determine if they will continue with the soil removal or not. Leaving Site. — RDS

1130 Return to warehouse. Work done for the day

3-21-19

5/23/19

0617 START (Alex Lam and Emily Yadacus) depart from LBC office to site.

0657 START arrives on-site

Weather: Currently 59° Lo: 56° Hi: 65°, Mostly cloudy. Wind E @ 5 mph.

0705 Clean Harbors arrive on site with vacuum truck

0720 Calibration of MultiRAE Pro (572269). Fresh Air + Pass.

OXY: 19.5 ✓ LEL: 4 ✓ VOC: 10 ppm ✓

CO: 37 ✓ H2S: 9 ✓

Multi Gas: LOT# TLBH-413-18-9

Iso Gas: LOT# TBBI-248-10-3

0750 FSI arrives on-site w/ two treatment (Internal combustion engined.

0800 Clean Harbor - 11 9

BEC-3

FSI-2

0810 Tailgate, site activities, and sit safety, w/ all personnel on-site.

0835 Containment and equipment setup begins.

0915 Containment and equipment setup is completed. ICEs are warming up.

 5/23/19

0930 Off-loading from frac-tank to vac truck begins.

0935 Air monitoring on-site and off site have not produced any readings.

OXY = 20.9, LEL = Ø%, VOC: Ø ppm, CO = Ø ppm

H2S = Ø ppm and Benzene = Ø ppm

1000 Liquid from frac tank is transferred to vac truck. Frac tank begins to be ~~[illegible]~~ pressurized to retrieve any remaing gases.

1010 Estimated 1,100 gallons recovered from frac tank.

1045 Frac tank is opened from side, VOC = 350 ppm, Benzene = 50.84 ppm. De-gassing activities continue within the frac tank

1102 Tailgate w/ Clean Harbors to discuss confined space entry into the frac tank for power washing activities.

1105 De-gassing with the ICEs is complete, frac tank is being flushed with fresh air to retrieve any remaing VOCs and Benzene.

1120 VOC = 100 ppm at the entrance of the manhole. Level B PPE will be used and personnel will be on a harness in case of emergency for

quick recovery.

1125 Power washing at the man hole entry begins to attempt to reduce VOC levels.

1142 VOC = 9.2 ppm after flushing w/ water.

1145 Initial Entry with 1 person, to begin power washing of frac tank.

1150 Operations stop due to ~~high~~ Benzene levels @ 7.5 ppm from the vac truck exhaust. Clean Harbors will call back FSI with one ICE to capture exhausts.

LATE ENTRY 1110 FSI is off site w/ both ICEs.

1830 FSI arrives on-site and connect to vac truck exhaust.

1245 Begin power washing tank again.

1310 Power washing completed.

1312 Begin tear down of equipment

1325 Equipment and IDW is collected.

1355 START, Clean Harbors, and FSI are off-site.

1405 START arrives at CBC office.