

## ESC - Neot Hovav. 2 Stacks Test Results. Heiter Plitot. 28/062016.

Series	Average Stack Gas Temp	Stack Gas Water Content	Average Stack Gas Flowrate (St-d Cond-s, 0 oC)	Sampling Time	Hazard Sampled	Hazard Instack Conc-n (St-d Cond-s, 0 oC)	Hazard Instack Conc-n (St-d Cond-s, 0 oC) Norm. to 3% O2)	Hazard Emission Rate	Remarks	Emission Standard (Heiter Plitot, 07/15)					
										Hazard Instack Conc-n (Standard Cond-s, 0 oC)	Hazard Emission Rate				
No.	o C	% vol	dscm/Hr	HH:mm		mg/dscm	mg/dscm	Kg/Hour		mg/dscm	Kg/Hour				
<b>"Yatzuv Mitzuk" Facility.</b>															
<b>Stack 04 Tanks, Dust Filter F-30, Charcoal System F-31A/B Stack</b>	30.9	2.8	40,010	09:44-10:18	<b>Total Dust</b>	<b>4.02</b>	<b>-----</b>	<b>0.1607</b>		<b>5</b>	<b>-----</b>				
					<b>NH3</b>	<b>0.096</b>	<b>-----</b>	<b>0.0038</b>	< LOD	<b>30</b>	<b>-----</b>				
				09:44-10:18	<b>TOC as Carbon</b>	<b>6.71</b>	<b>-----</b>	<b>0.2683</b>		<b>10</b>	<b>-----</b>				
					<b>H2S</b>	<b>0.054</b>	<b>-----</b>	<b>0.0022</b>	< LOD	<b>3</b>	<b>-----</b>				
				10:01-10:31	<b>VOC Screening</b>										
					<b>Total VOC</b>	<b>0.20</b>	<b>-----</b>	<b>0.0082</b>	< LOD	<b>-----</b>	<b>-----</b>				
<b>Other Facilities.</b>															
<b>Stack 10 Barrels Crushing Facility Charcoal System F-90 Stack</b>	30.4	2.1	524	11:05-11:38	<b>Total Dust</b>	<b>3.66</b>	<b>-----</b>	<b>0.0019</b>		<b>5</b>	<b>-----</b>				
					<b>TOC as Carbon</b>	<b>6.17</b>	<b>-----</b>	<b>0.0032</b>		<b>10</b>	<b>-----</b>				
				11:08-11:38	<b>VOC Screening</b>										
					<b>Total VOC</b>	<b>0.20</b>	<b>-----</b>	<b>0.00011</b>	< LOD	<b>-----</b>	<b>-----</b>				

- Remarks:**
- The Concentrations were Calculated at Standard Conditions (Dry Gas, 0 oC, Atmospheric Pressure).  
TOC Concentrations were Calculates as Carbon.  
VOC Concentrations were Calculates as Xylene.
  - "< LOD" = less than the Limit of Determination.

# ESC - Neot Hovav. 4 Stacks Test Results. Heiter Plitot. 18/12/2016.

Series No.	Average Stack Gas Temp o C	Stack Gas Water Content % vol	Average Stack Gas Flowrate (St-d Cond-s, 0 oC) dscm/Hr	Sampling Time HH:mm	Hazard Sampled	Hazard Instack Conc-n (St-d Cond-s, 0 oC) mg/dscm	Hazard Instack Conc-n (St-d Cond-s, 0 oC) Norm. to 3% O2) mg/dscm	Hazard Emission Rate Kg/Hour	Remarks	Emission Standard (Heiter Plitot, 07/15)	
										Hazard Instack Conc-n (Standard Cond-s, 0 o C) mg/dscm	Hazard Emission Rate Kg/Hour
<b>Neutralization Facility</b>											
<b>Stack 01 V-201 Scrubber Stack</b>	<b>12.0</b>	<b>1.2</b>	<b>4,032</b>		<b>HCL, NH3, SO2, H2S</b>						
				09:05-09:55	<b>HCL</b>	<b>2.05</b>	<b>-----</b>	<b>0.00828</b>		<b>30</b>	<b>-----</b>
					<b>NH3</b>	<b>0.077</b>	<b>-----</b>	<b>0.00031</b>		<b>30</b>	<b>-----</b>
				09:37-10:07	<b>SO2</b>	<b>1.00</b>	<b>-----</b>	<b>0.00404</b>	< LOD	<b>350</b>	<b>-----</b>
				09:06-09:36	<b>H2S</b>	<b>0.051</b>	<b>-----</b>	<b>0.00020</b>	< LOD	<b>3</b>	<b>-----</b>
		<b>HCN, NOx, TOC</b>									
	<b>12.4</b>	<b>1.3</b>	<b>3,934</b>	10:05-10:56	<b>HCN</b>	<b>0.015</b>	<b>-----</b>	<b>0.00006</b>		<b>3</b>	<b>-----</b>
				10:08-10:38	<b>NOx</b>	<b>10.1</b>	<b>-----</b>	<b>0.03978</b>	< LOD	<b>350</b>	<b>-----</b>
				10:01-10:30	<b>TOC as Carbon</b>	<b>2.57</b>	<b>-----</b>	<b>0.01011</b>		<b>10</b>	<b>-----</b>
				10:40-11:20	<b>VOC Screening</b>						
<b>Chloroform</b>					<b>1.24</b>	<b>-----</b>	<b>0.0049</b>		<b>-----</b>	<b>-----</b>	
<b>DiSiloxane, HexaMethyl</b>	<b>1.66</b>	<b>-----</b>	<b>0.0066</b>			<b>-----</b>	<b>-----</b>				
<b>Toluene</b>	<b>1.94</b>	<b>-----</b>	<b>0.0076</b>			<b>-----</b>	<b>-----</b>				
	<b>Total VOC</b>	<b>4.84</b>	<b>-----</b>	<b>0.0190</b>		<b>-----</b>	<b>-----</b>				

# ESC - Neot Hovav. 4 Stacks Test Results. Heiter Plitot. 18/12/2016.

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										Hazard Instack Conc-n (Standard Cond-s, 0 o C) mg/dscm	Hazard Emission Rate Kg/Hour				
<b>"Yatzuv Mitzuk" Facility.</b>															
<b>Stack 04</b>  <b>Tanks,</b>  <b>Dust Filter</b>  <b>F-30,</b>  <b>Charcoal</b>  <b>System</b>  <b>F-31A/B</b>  <b>Stack</b>	19.5	1.3	42,060	11:44-12:35	<b>Total Dust</b>	<b>1.96</b>	<b>-----</b>	<b>0.0824</b>		<b>5</b>	<b>-----</b>				
					<b>NH3</b>	<b>0.07</b>	<b>-----</b>	<b>0.0027</b>		<b>30</b>	<b>-----</b>				
				11:44-12:35	<b>TOC as Carbon</b>	<b>2.45</b>	<b>-----</b>	<b>0.1032</b>		<b>20</b>	<b>-----</b>				
				12:01-12:31	<b>H2S</b>	<b>0.052</b>	<b>-----</b>	<b>0.0022</b>	< LOD	<b>3</b>	<b>-----</b>				
				12:01-12:31	<b>VOC Screening</b>										
					<b>Total VOC</b>	<b>0.19</b>	<b>-----</b>	<b>0.0081</b>	< LOD	<b>-----</b>	<b>-----</b>				

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Series No.	Average Stack Gas Temp o C	Stack Gas Water Content % vol	Average Stack Gas Flowrate (St-d Cond-s, 0 oC) dscm/Hr	Sampling Time HH:mm	Hazard Sampled	Hazard Instack Conc-n (St-d Cond-s, 0 oC) mg/dscm	Hazard Instack Conc-n (St-d Cond-s, 0 oC) Norm. to 3% O2 mg/dscm	Hazard Emission Rate Kg/Hour	Remarks	Emission Standard (Heiter Plitot, 07/15)				
										Hazard Instack Conc-n (Standard Cond-s, 0 o C) mg/dscm	Hazard Emission Rate Kg/Hour			
<b>Other Facilities.</b>														
<b>Stack 09</b> "Organics SHED"	18.7	1.2	7,180	09:05-09:56	<b>Total Dust</b>	<b>0.43</b>	-----	<b>0.00306</b>		<b>5</b>	-----			
				09:07-09:36	<b>TOC as Carbon</b>	<b>2.72</b>	-----	<b>0.01956</b>		<b>10</b>	-----			
				09:10-09:40	<b>VOC Screening</b>									
					<b>Toluene</b>	<b>1.01</b>	-----	<b>0.00723</b>		-----	-----			
					<b>Xylene(s)</b>	<b>0.62</b>	-----	<b>0.00442</b>		-----	-----			
					<b>Total VOC</b>	<b>1.62</b>	-----	<b>0.01165</b>		-----	-----			
<b>Stack 10</b> Barrels Crushing Facility Charcoal System F-90 Stack	16.8	1.1	277	10:35-11:12	<b>Total Dust</b>	<b>0.71</b>	-----	<b>0.00020</b>		<b>5</b>	-----			
				10:39-11:08	<b>TOC as Carbon</b>	<b>9.78</b>	-----	<b>0.00271</b>		<b>10</b>	-----			
				10:37-11:07	<b>VOC Screening</b>									
					<b>Ethyl Benzene</b>	<b>0.30</b>	-----	<b>0.000083</b>		-----	-----			
					<b>Ethyl Acetate</b>	<b>3.66</b>	-----	<b>0.001013</b>		-----	-----			
					<b>Toluene</b>	<b>8.74</b>	-----	<b>0.002420</b>		-----	-----			
					<b>Xylene(s)</b>	<b>0.92</b>	-----	<b>0.000253</b>		-----	-----			
				<b>Total VOC</b>	<b>13.62</b>	-----	<b>0.003769</b>		-----	-----				

- Remarks:**
- The Concentrations were Calculated at Standard Conditions (Dry Gas, 0 oC, Atmospheric Pressure).  
TOC Concentrations were Calculates as Carbon.  
VOC Concentrations were Calculates as Xylene.
  - "< LOD" = less than the Limit of Determination.  
"< LOQ" = less than the Limit of Quantification.